Izvedba Android mobilne aplikacije s primjenom lokacijskih servisa

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Izvedba Android mobilne aplikacije s primjenom lokacijskih servisa

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Prilog

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Web stranica za prikaz prijava

index.php

```php
<?php
session_start();
require "spoj.php";
$spoj->set_charset('utf8');
if(isset($_SESSION["prijavljen"]) && $_SESSION["prijavljen"] === true){
    header("Location: lista.php");
}
if(isset ($_POST['korime']) && isset($_POST['pass'])){
    $korisnicko_ime = $_POST["korime"];
    $lozinka = $_POST["pass"];
    $mysql_upit = "select id, admin from korisnik where korisnicko_ime "
            . "= '$korisnicko_ime' and lozinka = '$lozinka';";
    $rezultat = mysqli_query($spoj, $mysql_upit);
    $row = mysqli_fetch_row($rezultat);
    if(mysqli_num_rows($rezultat) > 0) {
        $_SESSION["id"] = $row[0];
        $_SESSION["prijavljen"] = true;
        $_SESSION["admin"] = $row[1];
        header("Location: lista.php");
    }
}
?>
<html lang="hr-HR">
    <head>
    <meta charset="UTF-8"/>
    <title>Prijava u sustav</title>
    <link rel="stylesheet"
   href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style type="text/css">
        body{ font: 14px sans-serif; }
        .wrapper{ width: 350px; padding: 20px; }
    </style>
</head>
<header style="color:blue;">
    <h1 style="font-size:50px;" align="center">Stranica za pregled prijava</h1>
</header>
<div align="center">
    <body>
        <div class="wrapper">
            <h2>Prijava u sustav</h2>
            <form method="post">
                <div class="form-group">
                    <label>Korisničko ime</label>
                     <input type="text" name="korime" class="form-control">
                </div>
                <div class="form-group">
                    <label>Lozinka</label>
                    <input type="password" name="pass" class="form-control">
                </div>
                <div class="form-group">
                    <input type="submit" class="btn btn-primary"
                           value="Prijava">
                </div>
            </form>
        </div>
    </body>
</div>
</html>
```

lista.php

```php
<html lang="hr-HR">
<head>
    <meta charset="UTF-8"/>
```

```
4       <title>Popis prijava</title>
5       <link rel="stylesheet" href=
6           "https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
7       <style type="text/css">
8           body{ font: 14px sans-serif; }
9           .wrapper{ width: 350px; padding: 20px; }
10      </style>
11  </head>
12  <body>
13      <div>
14          <button type="button" class="btn btn-warning btn-md" name="Odjava"
15                  align="right" onclick="odjava()">Odjava</button>
16      </div>
17  </body>
18  </html>
19  <?php
20  session_start();
21  require "spoj.php";
22  $spoj->set_charset('utf8');
23  if(!isset($_SESSION["prijavljen"]) && $_SESSION["prijavljeno"] === true){
24      header("Location: index.php");
25  }
26   else {
27      $id = $_SESSION["id"][0];
28      $admin = $_SESSION["admin"][0];
29      $mysql_upit1 = "SELECT datum, id_prijave, id_korisnik FROM `prijave` "
30              . "WHERE id_korisnik = '$id' ORDER BY id_korisnik;";
31      $mysql_upit2 = "SELECT datum, id_prijave, id_korisnik FROM `prijave` ORDER "
32              . "BY id_korisnik;";
33      if($admin==0){$rezultat1 = mysqli_query($spoj, $mysql_upit1);}
34      else{$rezultat1 = mysqli_query($spoj, $mysql_upit2);}
35      $row1 = mysqli_fetch_all($rezultat1);
36      $server_ip = gethostbyname(gethostname());
37      $tablica = "<script>function odjava(){window.location.href "
38                  ."= 'http://".$server_ip."/zavrsnirad/odjava.php';}"
39                  ."function prikaz(id_pr, id_kor) {var pom1 = id_pr.toString();"
40                  ."var pom2 = id_kor.toString();var str = 'http://".$server_ip."/"
41                  ."zavrsnirad/prikaz.php?id_pr='+pom1+'&id_kor='+pom2;window.open"
42                  ."(str, '_top');}</script>";
43      if($rezultat1 == true) {
44          $tablica .= "<table class='table table-striped' align='center'><thead>"
45                  . "<tr><th>Popis prijava</th><th></th></thead><thead><tr><th>"
46                  . "Datum prijave</th><th></th></thead><tbody>";
47          if(empty($row1)){
48              $tablica = "<script>function odjava(){window.location.href "
49                          ."= 'http://".$server_ip."/zavrsnirad/odjava.php';}"
50                      . "</script><h2 align='center'>Nemate prijava.</h2>";
51              echo $tablica;}
52          else{
53              for($i = 0; $i < sizeof($row1); $i++){
54                  $str1 = $row1[$i][0];
55                  $str2 = $row1[$i][1];
56                  $str3 = $row1[$i][2];
57                  $mysql_upit3 = "SELECT korisnicko_ime, ime, prezime, oib "
58                          . "FROM `korisnik` WHERE id = '$str3';";
59                  $rezultat1 = mysqli_query($spoj, $mysql_upit3);
60                  $row2 = mysqli_fetch_row($rezultat1);
61                  $str4 = $row2[0];
62                  $str5 = $row2[1];
63                  $str6 = $row2[2];
64                  $str7 = $row2[3];
65                  if($str3=="0"){
66                      $tablica .= "<tr class='clickable-row' onclick='prikaz"
67                              . "(".$str2.",".$str3.")'><td>Prijava: $str1"
68                              . "</td><td>Korisnik: anoniman</tr>";
69                  }
70                  else{
71                      $tablica .= "<tr class='clickable-row' onclick='prikaz"
72                              . "(".$str2.",".$str3.")'><td>Prijava: $str1"
73                              . "</td><td>Korisnik: $str4 Ime i prezime: "
```

```
                                . "$str5 $str6 OIB: $str7</tr>";
                }
            }
            $tablica .= "</tbody></table>";
            echo $tablica;
        }
    }
    $spoj->close();
}
?>
```

prikaz.php

```
<html lang="hr-HR">
<head>
    <meta charset="UTF-8"/>
    <title>Prijava</title>
    <link rel="stylesheet" href=
        "https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style type="text/css">
        body{ font: 14px sans-serif; }
        .wrapper{ width: 350px; padding: 20px; }
    </style>
</head>
</html>
<?php
session_start();
require "spoj.php";
$spoj->set_charset('utf8');
$server_ip = gethostbyname(gethostname());
$id_pr = $_GET["id_pr"];
$id_kor = $_GET["id_kor"];
$admin = $_SESSION["admin"][0];
$mysql_upit1 = "SELECT * FROM `prijave` WHERE id_prijave = '$id_pr';";
$rezultat1 = mysqli_query($spoj, $mysql_upit1);
$row1 = mysqli_fetch_row($rezultat1);
$mysql_upit3 = "SELECT korisnicko_ime, ime, prezime, oib FROM `korisnik` WHERE "
        . "id = '$id_kor';";
$rezultat3 = mysqli_query($spoj, $mysql_upit3);
$row3 = mysqli_fetch_row($rezultat3);
if($rezultat1 == TRUE) {
    $tablica = "";
    if($admin==1){
        $tablica .= "<script>function odgovor(id_pr){var pom1 = id_pr.toString"
                . "();var por = document.getElementById('odg').value;var xhttp"
                . " = new XMLHttpRequest();xhttp.onreadystatechange = function"
                . "() {if (this.readyState == 4 && this.status == 200) {if(this"
                . ".responseText=='uspjeh_odgovor'){alert('Odgovor je poslan!')"
                . ";}}};xhttp.open('GET', 'http://".$server_ip."/zavrsnirad/"
                . "admin.php?tip=odgovor&id_pr='+pom1+'&por='+por, true);"
                . "xhttp.send();}</script>";
        $tablica .= "<script>function brisi(id_pr) {if (confirm('Da li "
                . "želite izbrisati?')){var pom1 = id_pr.toString();var "
                . "xhttp = new XMLHttpRequest();xhttp.onreadystatechange = "
                . "function() {if (this.readyState == 4 && this.status == 200) "
                . "{if(this.responseText=='uspjeh_brisanje'){window.location."
                . "href ='http://".$server_ip."/zavrsnirad/lista.php';}}};"
                . "xhttp.open('GET', 'http://".$server_ip."/zavrsnirad/admin."
                . "php?tip=brisi&id_pr='+pom1, true);xhttp.send();}else{}}"
                . "</script>";
        $tablica .= "<script>function odjava(){window.location.href "
                . "= 'http://".$server_ip."/zavrsnirad/odjava.php';}"
                . ""
                . "</script>";
        $tablica .= "<body><div><button type='button' class='btn btn-danger
                btn-md' id = 'brisi' name='brisi' align='right' onclick='brisi
                (".$id_pr.")'>Brisanje</button><button type='button'
                class='btn btn-warning btn-md' name='Odjava' align='right'
                onclick='odjava()'>Odjava</button></div></body>";
    }
    else{
```

```
        $tablica .= "<script>function odjava(){window.location.href
            = 'http://".$server_ip."/zavrsnirad/odjava.php';}</script>";
        $tablica .= "<body><div><button type='button' class='btn btn-warning "
                 . "btn-md' name='Odjava' align='right' onclick='odjava()'>"
                 . "Odjava</button></div></body>";
    }
    $tablica_s = "";
    $pad = "";
    $tablica .= "<table class='table table-striped' align='center'>"
             . "<thead></thead><tbody>";
    if($row1[9] == "da"){
        $mysql_upit2 = "SELECT slika_add FROM slike WHERE id_prijenos = "
                 . "'$id_pr'";
        $rezultat2 = mysqli_query($spoj, $mysql_upit2);
        $row2 = mysqli_fetch_all($rezultat2);
        if($rezultat2 == TRUE) {
            for($i = 0; $i < sizeof($row2); $i++){
                $url = "http://".$server_ip."/zavrsnirad/slike/"
                        .$row2[$i][0].."";
                $pad .= "<td></td>";
                $tablica_s .= "<td><img src='".$url."' alt='Trulli' "
                        . "width='500' height='300'></td>";
            }
            $tablica .= "<tr><td>Slike</td>".$pad."</tr><tr>$tablica_s</tr>";
        }
    }
    if($id_kor==0){
        $tablica .= "<tr><td>Prijavio</td><td>anoniman korisnik</td>".$pad.""
                 . "</tr><tr>";
    }
    else{
        $tablica .= "<tr><td>Prijavio</td><td>Korisnik: ".$row3[0]." "
             . "Ime i prezime: ".$row3[1]." ".$row3[2]." OIB: ".$row3[3].""
             . "</td>".$pad."</tr>";
    }
    $tablica .= "<tr><td>Vrijeme prijave</td><td>".$row1[3]."</td>".$pad."</tr>"
             . "<tr><td>Koordinate prijave</td><td>".$row1[4]." "
             . "".$row1[5]."</td>".$pad.""
             . "<tr><td>Adresa prijave</td><td>".$row1[6]." "
             . "".$row1[7]."</td>".$pad.""
             . "<tr><td>Tekst prijave</td><td>".$row1[8]."</td>".$pad."</tr>";
    if($admin==1){
        $tablica .= "<tr><td>Odgovor administratora</td><td><textarea id = "
                 . "'odg' rows='10' cols='50'>".$row1[10]."</textarea></td>"
                 . "".$pad."</tr><tr><td></td><td><button type='button' class="
                 . "'btn btn-primary btn-md' name='Odgovor' align='right' "
                 . "onclick='odgovor(".$id_pr.")'>Odgovor</button></td>".$pad.""
                 . "</tr></tbody></table>";
        echo $tablica;
    }
    else{
        $tablica .= "<tr><td>Odgovor administratora</td><td>".$row1[10]."</td>"
                 . "".$pad."</tr></tbody></table>";
        echo $tablica;
    }
}
$spoj->close();
?>
```

odajva.php

```
<?php
require "spoj.php";
$spoj->set_charset('utf8');
$tip = isset($_GET['tip']) ? $_GET['tip'] : '';
$id_pr = isset($_GET['id_pr']) ? $_GET['id_pr'] : '';
$por = isset($_GET['por']) ? $_GET['por'] : '';
if($tip=="brisi"){
    $mysql_upit1 = "SELECT `ima_slika`FROM `prijave` WHERE id_prijave = "
             . "'$id_pr';";
    $rezultat1 = mysqli_query($spoj, $mysql_upit1);
```

```
    $row1 = mysqli_fetch_all($rezultat1);
    if($row1[0][0] == "da"){
        $mysql_upit2 = "SELECT `slika_add` FROM `slike` WHERE id_prijenos = '"
                . "$id_pr';";
        $rezultat2 = mysqli_query($spoj, $mysql_upit2);
        $row2 = mysqli_fetch_all($rezultat2);
        for($i = 0; $i < sizeof($row2); $i++){
            $put = "slike/".$row2[$i][0]."";
            unlink($put);
        }
        $mysql_upit3 = "DELETE FROM `slike` WHERE id_prijenos = '$id_pr';";
        $rezultat3 = mysqli_query($spoj, $mysql_upit3);
    }
    $mysql_upit4 = "DELETE FROM `prijave` WHERE id_prijave = '$id_pr';";
    $rezultat4 = mysqli_query($spoj, $mysql_upit4);
    if($rezultat4 == true) {echo "uspjeh_brisanje";}
    $spoj->close();
}
if($tip=="odgovor"){
    $mysql_upit1 = "UPDATE `prijave` SET `odgovor` = '$por' WHERE "
            . "`prijave`.`id_prijave` = '$id_pr';";
    $rezultat1 = mysqli_query($spoj, $mysql_upit1);
    if($rezultat1 == true) {
        echo "uspjeh_odgovor";
    }
    $spoj->close();
}
?>
```

admin.php

```
<?php
session_start();
$_SESSION = array();
session_destroy();
header("Location: index.php");
?>
```

spoj.php

```
<?php
    define('HOST','localhost');
    define('USER','root');
    define('PASS','');
    define('DB','Zavrsni_rad');
    $spoj = mysqli_connect(HOST,USER,PASS,DB);
?>
```

PHP skripte za povezivanje Android aplikacije i web aplikacije

login.php skripta

```
<?php
require "spoj.php";
$spoj->set_charset('utf8');
$korisnicko_ime = $_POST["korisnicko_ime"];
$lozinka = $_POST["lozinka"];
$mysql_upit = "select * from korisnik where korisnicko_ime = '"
        . "$korisnicko_ime' and lozinka = '$lozinka';";
$rezultat = mysqli_query($spoj, $mysql_upit);
$row = mysqli_fetch_row($rezultat);
if(mysqli_num_rows($rezultat) > 0) {
    $str = json_encode($row);
    $string = "uspjesno_login//$str";
    echo $string;
}
else {
    echo "neuspjesno_login";
}
?>
```

registracija.php skripta

```php
<?php
require "spoj.php";
$spoj->set_charset('utf8');
$ime = $_POST["ime"];
$prezime = $_POST["prezime"];
$oib = $_POST["oib"];
$korisnicko_ime = $_POST["korisnicko_ime"];
$lozinka = $_POST["lozinka"];
$mysql_upit = "INSERT INTO `korisnik` (`id`, `oib`, `ime`, `prezime`, "
        . "`korisnicko_ime`, `lozinka`) "
        . "VALUES (NULL, '$oib', '$ime', '$prezime', '$korisnicko_ime', "
        . "'$lozinka');";
$rezultat = mysqli_query($spoj, $mysql_upit);
if($rezultat === TRUE) {
    echo "uspjesno_reg";
}
else {
    echo "neuspjesno_reg";
}
$spoj->close();
?>
```

promjena.php skripta

```php
<?php
require "spoj.php";
$spoj->set_charset('utf8');
$tip = $_POST["tip"];
if($tip==="promjena"){
    $id = $_POST["id"];
    $ime = $_POST["ime"];
    $prezime = $_POST["prezime"];
    $oib = $_POST["oib"];
    $korisnicko_ime = $_POST["korisnicko_ime"];
    $lozinka = $_POST["lozinka"];
    $mysql_upit1 = "UPDATE `korisnik` SET `oib` = '$oib', `ime` = '$ime', "
            . "`prezime` = '$prezime', `korisnicko_ime` = '$korisnicko_ime', "
            . "`lozinka` = '$lozinka' WHERE `korisnik`.`id` = $id;";
    $mysql_upit2 = "select * from korisnik where id = '$id';";
    $rezultat1 = mysqli_query($spoj, $mysql_upit1);
    $rezultat2 = mysqli_query($spoj, $mysql_upit2);
    $row = mysqli_fetch_row($rezultat2);
    if($rezultat1 === TRUE) {
        $str = json_encode($row);
        $string = "uspjesno_promjena//$str";
        echo $string;
    }
    else {
        echo "neuspjesno_promjena";
    }
    $spoj->close();
}
if($tip==="brisanje"){
    $id = $_POST["id"];
    $mysql_upit = "DELETE FROM `korisnik` WHERE `korisnik`.`id` = $id";
    $rezultat = mysqli_query($spoj, $mysql_upit);
    if($rezultat === TRUE) {
        echo "uspjesno_brisanje";
    }
    else {
        echo "neuspjesno_brisanje";
    }
    $spoj->close();
}
?>
```

prijava.php skripta

```php
<?php
require "spoj.php";
$spoj->set_charset('utf8');
$anon = $_POST["anon"];
$korisnik_id = $_POST["korisnik_id"];
$latituda = $_POST["latituda"];
$longituda = $_POST["longituda"];
$adresa = $_POST["adresa"];
$zupanija = $_POST["zupanija"];
$poruka = $_POST["poruka"];
$datum = $_POST["datum"];
$ima_slika = $_POST["ima_slika"];
$ip_usr = $_SERVER['REMOTE_ADDR'];
$mysql_upit1 = "INSERT INTO `prijave` (`id_prijave`, `anon`, `id_korisnik`, "
        . "`datum`, `latituda`, `longituda`, `adresa`, `zupanija`, `poruka`, "
        . "`ima_slika`, `odgovor`, `ip_korisnik`) VALUES (NULL, '$anon', "
        . "'$korisnik_id', '$datum', '$latituda', '$longituda', '$adresa', "
        . "'$zupanija', '$poruka', '$ima_slika', '', '$ip_usr');";
$rezultat1 = mysqli_query($spoj, $mysql_upit1);
$id_prijave = getIDprijave();
$mysql_upit2 = "select * from prijave where id_prijave = '$id_prijave';";
$rezultat2 = mysqli_query($spoj, $mysql_upit2);
$row = mysqli_fetch_row($rezultat2);
if($rezultat1 == TRUE) {
    $str = json_encode($row);
    $string = "uspjesno_prijava//$str";
    echo $string;
}
else {
    echo "neuspjesno_prijava";
}
$spoj->close();
        function getIDprijave(){
                $spoj = mysqli_connect(HOST,USER,PASS,DB);
                $sql = "SELECT max(id_prijave) as id_prijave FROM prijave";
                $result2 = mysqli_fetch_array(mysqli_query($spoj,$sql));
                mysqli_close($spoj);
                return $result2['id_prijave'];
        }
?>
```

slike.php skripta

```php
<?php
require "spoj.php";
$spoj->set_charset('utf8');
 if(isset($_POST["slika_str"])){
    $slika_str = $_POST["slika_str"];
    $ime = $_POST["ime"].getBrojSlike().".jpg";
    $id_prijenos = $_POST["id_prijenos"];
    $dekodirani_string = base64_decode($slika_str);
    $add = 'slike/'.$ime;
    $server_ip = gethostbyname(gethostname());
    $file = fopen($add, 'wb');
    $gotovo = fwrite($file, $dekodirani_string);
    fclose($file);
    if($gotovo > 0) {
        $mysql_upit1 = "INSERT INTO `slike` (`id_slika`, `id_prijenos`, "
                . "`slika_add`) VALUES (NULL, '$id_prijenos', '$ime');";
        $rez = mysqli_query($spoj, $mysql_upit1) ;
        if($rez){
            echo "uspjesno_slika";
        }else{
            echo "neuspjesno_slika";
        }
        mysqli_close($spoj);
    }
 }
 function getBrojSlike(){
                $spoj = mysqli_connect('localhost', 'root', '','zavrsni_rad');
                $mysql_upit2 = "SELECT max(id_slika) as id_slika FROM slike";
```

```
                $rez = mysqli_fetch_array(mysqli_query($spoj,$mysql_upit2));
                mysqli_close($spoj);
                if($rez['id_slika']==null){return 1;}
                else{return ++$rez['id_slika'];}
        }
?>
```

dohvat.php skripta

```
<?php
require "spoj.php";
$spoj->set_charset('utf8');
$server_ip = gethostbyname(gethostname());
$tip = $_POST["tip"];
if($tip==="dohvat_lista"){
    $id = $_POST["id"];
    $mysql_upit1 = "SELECT `id_prijave`, `anon`, `id_korisnik`, `datum`, "
            . "`latituda`, `longituda`, `adresa`, `zupanija`, `poruka`, "
            . "`ima_slika`, `odgovor` FROM `prijave` "
            . "WHERE id_korisnik = '$id';";
    $rezultat1 = mysqli_query($spoj, $mysql_upit1);
    $row1 = mysqli_fetch_all($rezultat1);
    if($rezultat1 == TRUE) {
        $str1 = json_encode($row1);
        $str1 = "uspjesno_dohvat_lista//$str1";
        echo $str1;
    }
    else {
        echo "neuspjesno_dohvat_lista//";
    }
    $spoj->close();
}
if($tip==="dohvat_slika"){
    $id = $_POST["id"];
    $mysql_upit2 = "SELECT slika_add FROM slike WHERE id_prijenos = '$id'";
    $rezultat2 = mysqli_query($spoj, $mysql_upit2);
    $row1 = mysqli_fetch_all($rezultat2);
    if($rezultat2 == TRUE) {
        for($i = 0; $i < sizeof($row1); $i++){
            $str3 = $row1[$i][0];
            if($i == 0){$str2 = "["; }
            $str2 .= '["http:\/\/'.$server_ip.'\/zavrsnirad\/slike\/'.$str3.'"]';
            if($i != (sizeof($row1)-1)){ $str2 .= ","; }
            if($i == (sizeof($row1)-1)){$str2 .= "]"; }
            }
            $str1 = "uspjesno_dohvat_slika//$str2";
            echo $str1;
    }
    else {
        echo "neuspjesno_dohvat_slika//";
    }
    $spoj->close();
}
?>
```

Java razredi mobilne aplikacije

Login_Activity.java

```
package com.unin.kl.zavrsni_rad_kl;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
public class Login_Activity extends AppCompatActivity {
    EditText et_pas, et_usr;
    String username, password;
```

```
13      Button breg, bpri, banon, bpov;
14      Menu menu;
15      @Override
16      protected void onCreate(Bundle savedInstanceState) {
17          super.onCreate(savedInstanceState);
18          setContentView(R.layout.activity_login);
19          getSupportActionBar().setTitle("Prijava u sustav");
20          et_pas = (EditText) findViewById(R.id.et_pass);
21          et_usr = (EditText) findViewById(R.id.et_user);
22          bpri = findViewById(R.id.btn_prijava);
23          breg = findViewById(R.id.btn_reg);
24          banon = findViewById(R.id.btn_anon);
25          bpov = findViewById(R.id.btn_pov);
26          prijavljeno_set();
27      }
28      public void klikLogin(View v){
29          if(((Varijable) this.getApplication()).getVar_log().equals("ne")){
30              prijavljeno_set();
31              prijava();
32          }if(((Varijable) this.getApplication()).getVar_log().equals("da")){
33              username = et_usr.getText().toString();
34              password = et_pas.getText().toString();
35              String tip = "login";
36              Konektor konektor = new Konektor(this);
37              konektor.execute(tip, username, password);
38          }
39      }
40      public void klikAnon(View v){
41          ((Varijable) this.getApplicationContext()).setVar_anon("da");
42          Intent inte= new Intent(Login_Activity.this, Prijava_Activity.class);
43          startActivity(inte);
44      }
45      public void klikReg(View v){
46          Intent inte = new Intent(Login_Activity.this, Registracija_Activity.class);
47          startActivity(inte);
48      }
49      @Override
50      public boolean onCreateOptionsMenu(Menu menu) {
51          this.menu = menu;
52          getMenuInflater().inflate(R.menu.menu_glavna__login, menu);
53          MenuItem odjava = menu.findItem(R.id.odjava1);
54          MenuItem povijest = menu.findItem(R.id.povijest1);
55          if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
56              odjava.setVisible(true);
57              povijest.setVisible(true);
58          }else {
59              odjava.setVisible(false);
60              povijest.setVisible(false);
61          }
62          return true;
63      }
64      @Override
65      public boolean onOptionsItemSelected(MenuItem item) {
66          int id = item.getItemId();
67          if (id == R.id.oprog) {
68              Intent inte= new Intent(Login_Activity.this, Oprog_Activity.class);
69              startActivity(inte);
70              finish();
71          }
72          if (id == R.id.lok || id == R.id.lok2) {
73              Intent inte= new Intent(Login_Activity.this,
    Lokacije_Glavna_Activity.class);
74              startActivity(inte);
75              finish();
76          }
77          if (id == R.id.postavke) {
78              Intent inte= new Intent(Login_Activity.this, Postavke_Activity.class);
79              startActivity(inte);
80              finish();
81          }
```

```
82          if (id == R.id.odjava1) {
83              if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
84                  ((Varijable) this.getApplication()).setVar_log("da");
85                  ((Varijable) this.getApplicationContext()).setVar_user(0);
86                  ((Varijable) this.getApplicationContext()).setVar_ime("");
87                  ((Varijable) this.getApplicationContext()).setVar_prezime("");
88                  ((Varijable) this.getApplicationContext()).setVar_oib("");
89                  ((Varijable)
    this.getApplicationContext()).setVar_korisnicko_ime("");
90                  ((Varijable) this.getApplicationContext()).setVar_lozinka("");
91                  Intent inte = new Intent(Login_Activity.this,
    Login_Activity.class);
92                  startActivity(inte);
93                  finish();
94              }
95          }
96          if(id == R.id.povijest1){
97              pov();
98          }
99          return super.onOptionsItemSelected(item);
100     }
101     public void prijava(){
102         Intent inte = new Intent(Login_Activity.this, Prijava_Activity.class);
103         startActivity(inte);
104     }
105     public void prijavljeno_set(){
106         if(((Varijable) this.getApplication()).getVar_log().equals("ne")){
107             invalidateOptionsMenu();
108             breg.setVisibility(View.INVISIBLE);
109             et_pas.setVisibility(View.INVISIBLE);
110             et_usr.setVisibility(View.INVISIBLE);
111             bpov.setVisibility(View.VISIBLE);
112         }
113         else{
114             bpov.setVisibility(View.INVISIBLE);
115         }
116     }
117     public void klikPov(View v){ pov(); }
118     public void pov(){
119         Intent inte= new Intent(Login_Activity.this, PovPrijava_Activity.class);
120         startActivity(inte);
121     }
122     @Override
123     public void onResume() {
124         super.onResume();
125         invalidateOptionsMenu();
126     }
127 }
```

Registracija_Activity.java

```
1  package com.unin.kl.zavrsni_rad_kl;
2  import androidx.appcompat.app.AppCompatActivity;
3  import android.content.Intent;
4  import android.os.Bundle;
5  import android.view.Menu;
6  import android.view.MenuItem;
7  import android.view.View;
8  import android.widget.Button;
9  import android.widget.CheckBox;
10 import android.widget.EditText;
11 import android.widget.Toast;
12 public class Registracija_Activity extends AppCompatActivity {
13     EditText et_ime, et_prezime, et_oib, et_usr1, et_pas1, et_pas2;
14     String ime = "";
15     String prezime = "";
16     String oib = "";
17     String username = "";
18     String password1 = "";
19     String password2 = "";
20     Button breg1;
```

```
21      boolean dozvola = false;
22      @Override
23      protected void onCreate(Bundle savedInstanceState) {
24          super.onCreate(savedInstanceState);
25          setContentView(R.layout.activity_registracija);
26          getSupportActionBar().setTitle("Registracija");
27          et_ime = (EditText) findViewById(R.id.et_ime);
28          et_prezime = (EditText) findViewById(R.id.et_prezime);
29          et_oib = (EditText) findViewById(R.id.et_oib);
30          et_usr1 = (EditText) findViewById(R.id.et_user1);
31          et_pas1 = (EditText) findViewById(R.id.et_pass1);
32          et_pas2 = (EditText) findViewById(R.id.et_pass2);
33          breg1 = findViewById(R.id.btn_reg1);
34      }
35      @Override
36      public boolean onCreateOptionsMenu(Menu menu) {
37          getMenuInflater().inflate(R.menu.menu_glavna__login, menu);
38          MenuItem odjava = menu.findItem(R.id.odjava1);
39          MenuItem povijest = menu.findItem(R.id.povijest1);
40          odjava.setVisible(false);
41          povijest.setVisible(false);
42          return true;
43      }
44      @Override
45      public boolean onOptionsItemSelected(MenuItem item) {
46          int id = item.getItemId();
47          if (id == R.id.oprog) {
48              Intent inte= new Intent(Registracija_Activity.this,
    Oprog_Activity.class);
49              startActivity(inte);
50          }
51          if (id == R.id.lok || id == R.id.lok2) {
52              Intent inte= new Intent(Registracija_Activity.this,
    Lokacije_Glavna_Activity.class);
53              startActivity(inte);
54              finish();
55          }
56          if (id == R.id.pri || id == R.id.pri2) {
57              Intent inte= new Intent(Registracija_Activity.this,
    Login_Activity.class);
58              startActivity(inte);
59              finish();
60          }
61          if (id == R.id.postavke) {
62              Intent inte= new Intent(Registracija_Activity.this,
    Postavke_Activity.class);
63              startActivity(inte);
64          }
65          if (id == R.id.odjava1) {
66              if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
67                  ((Varijable) this.getApplication()).setVar_log("da");
68                  ((Varijable) this.getApplicationContext()).setVar_user(0);
69                  ((Varijable) this.getApplicationContext()).setVar_ime("");
70                  ((Varijable) this.getApplicationContext()).setVar_prezime("");
71                  ((Varijable) this.getApplicationContext()).setVar_oib("");
72                  ((Varijable)
    this.getApplicationContext()).setVar_korisnicko_ime("");
73                  ((Varijable) this.getApplicationContext()).setVar_lozinka("");
74                  Intent inte = new Intent(Registracija_Activity.this,
    Login_Activity.class);
75                  startActivity(inte);
76                  finish();
77              }
78          }
79          return super.onOptionsItemSelected(item);
80      }
81      public void dozvolaKlik(View v){
82          dozvola = ((CheckBox) v).isChecked();
83      }
84      public  void klikReg1(View v){
```

```
85          password1 = et_pas1.getText().toString();
86          password2 = et_pas2.getText().toString();
87          if((password1).equals(password2) && dozvola == true) {
88              ime = et_ime.getText().toString();
89              prezime = et_prezime.getText().toString();
90              oib = et_oib.getText().toString();
91              username = et_usr1.getText().toString();
92              String tip = "reg";
93              Konektor konektor = new Konektor(this);
94              konektor.execute(tip, ime, prezime, oib, username, password1);
95          }else{
96              et_pas1.setText("");
97              et_pas2.setText("");
98              Toast.makeText(this, "Obrazac registracije nije pravilno ispunjen!",
    Toast.LENGTH_SHORT).show();
99          }
100     }
101     public void registrirano(){
102         Intent inte = new Intent(Registracija_Activity.this, Login_Activity.class);
103         startActivity(inte);
104         finish();
105     }
106 }
```

Postavke_Activity.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import androidx.appcompat.app.AppCompatActivity;
3   import android.app.AlertDialog;
4   import android.content.DialogInterface;
5   import android.content.Intent;
6   import android.content.SharedPreferences;
7   import android.os.Bundle;
8   import android.view.Menu;
9   import android.view.MenuItem;
10  import android.view.View;
11  import android.widget.Button;
12  import android.widget.EditText;
13  import android.widget.ImageButton;
14  import android.widget.TextView;
15  import android.widget.Toast;
16  public class Postavke_Activity extends AppCompatActivity {
17      int user_id;
18      String p_ip = "";
19      EditText et_ime, et_prezime, et_oib, et_korisnik, et_pass1, et_pass2, ip;
20      TextView tv_naslov;
21      ImageButton btnPostavi;
22      Button btnPromjeni, btnIzbrisi;
23      String ime, prezime, oib, korisnik, pass1, pass2, tip;
24      @Override
25      protected void onCreate(Bundle savedInstanceState) {
26          super.onCreate(savedInstanceState);
27          setContentView(R.layout.activity_postavke);
28          getSupportActionBar().setTitle("Postavke");
29          btnPostavi = findViewById(R.id.btn_postavi);
30          btnPromjeni = findViewById(R.id.btn_promjene);
31          btnIzbrisi = findViewById(R.id.btn_izbrisi);
32          tv_naslov = findViewById(R.id.tv_naslov);
33          et_ime = findViewById(R.id.et_ime);
34          et_prezime = findViewById(R.id.et_prezime);
35          et_oib = findViewById(R.id.et_oib);
36          et_korisnik = findViewById(R.id.et_user1);
37          et_pass1 = findViewById(R.id.et_pass1);
38          et_pass2 = findViewById(R.id.et_pass2);
39          user_id();
40          et_ime.setText(((Varijable) this.getApplicationContext()).getVar_ime());
41          et_prezime.setText(((Varijable)
    this.getApplicationContext()).getVar_prezime());
42          et_oib.setText(((Varijable) this.getApplicationContext()).getVar_oib());
43          et_korisnik.setText(((Varijable)
    this.getApplicationContext()).getVar_korisnicko_ime());
```

```
44          et_pass1.setText(((Varijable)
    this.getApplicationContext()).getVar_lozinka());
45          et_pass2.setText(((Varijable)
    this.getApplicationContext()).getVar_lozinka());
46          if(((Varijable) this.getApplicationContext()).getVar_log().equals("da")) {
47              btnPromjeni.setVisibility(View.INVISIBLE);
48              btnIzbrisi.setVisibility(View.INVISIBLE);
49              tv_naslov.setVisibility(View.INVISIBLE);
50              et_ime.setVisibility(View.INVISIBLE);
51              et_prezime.setVisibility(View.INVISIBLE);
52              et_oib.setVisibility(View.INVISIBLE);
53              et_korisnik.setVisibility(View.INVISIBLE);
54              et_pass1.setVisibility(View.INVISIBLE);
55              et_pass2.setVisibility(View.INVISIBLE);
56          }
57          ip = findViewById(R.id.et_ip);
58          SharedPreferences sp = getSharedPreferences("SPREMANJE_POSTAVKI",
    MODE_PRIVATE);
59          p_ip=sp.getString("IP_server", "127.0.0.1");
60          ip.setText(p_ip);
61          btnPostavi.setOnClickListener(new View.OnClickListener() {
62              @Override
63              public void onClick(View v) {
64                  String ip_add = ip.getText().toString();
65                  SharedPreferences.Editor sped = sp.edit();
66                  sped.putString("IP_server", ip_add);
67                  sped.commit();
68                  Toast.makeText(Postavke_Activity.this, "Postavili ste IP adesu " +
69                          "servera na: "+ip_add, Toast.LENGTH_SHORT).show();
70              }
71          });
72          btnPromjeni.setOnClickListener(new View.OnClickListener() {
73              @Override
74              public void onClick(View v) {
75                  promjena();
76              }
77          });
78          btnIzbrisi.setOnClickListener(new View.OnClickListener() {
79              @Override
80              public void onClick(View v) {
81                  brisanje();
82              }
83          });
84      }
85      @Override
86      public boolean onCreateOptionsMenu(Menu menu) {
87          getMenuInflater().inflate(R.menu.menu_glavna__login, menu);
88          MenuItem odjava = menu.findItem(R.id.odjava1);
89          MenuItem povijest = menu.findItem(R.id.povijest1);
90          if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
91              odjava.setVisible(true);
92              povijest.setVisible(true);
93          }else {
94              odjava.setVisible(false);
95              povijest.setVisible(false);
96          }
97          return true;
98      }
99      @Override
100     public boolean onOptionsItemSelected(MenuItem item) {
101         int id = item.getItemId();
102         if (id == R.id.oprog) {
103             Intent inte= new Intent(Postavke_Activity.this, Oprog_Activity.class);
104             startActivity(inte);
105             finish();
106         }
107         if (id == R.id.lok || id == R.id.lok2) {
108             Intent inte= new Intent(Postavke_Activity.this,
    Lokacije_Glavna_Activity.class);
109             startActivity(inte);
```

```
110             finish();
111         }
112         if (id == R.id.pri2 || id == R.id.pri) {
113             Intent inte= new Intent(Postavke_Activity.this, Login_Activity.class);
114             startActivity(inte);
115             finish();
116         }
117         if (id == R.id.odjava1) {
118             odjava();
119         }
120         if(id == R.id.povijest1){
121             Intent inte= new Intent(Postavke_Activity.this,
    PovPrijava_Activity.class);
122             startActivity(inte);
123             finish();
124         }
125         return super.onOptionsItemSelected(item);
126     }
127     @Override
128     public void onResume() {
129         super.onResume();
130         invalidateOptionsMenu();
131     }
132     public void user_id(){
133         user_id = ((Varijable) this.getApplicationContext()).getVar_user();
134     }
135     public void brisanje() {
136         AlertDialog.Builder builder=new AlertDialog.Builder(this);
137         builder.setTitle("Upozorenje").setMessage("Da li želite izbrisati?");
138         builder.setCancelable(false);
139         builder.setNegativeButton("NE", new DialogInterface.OnClickListener() {
140             @Override
141             public void onClick(DialogInterface dialog, int which) {
142                 klikNe();
143             }
144         });
145         builder.setPositiveButton("DA", new DialogInterface.OnClickListener() {
146             @Override
147             public void onClick(DialogInterface dialog, int which) {
148                 klikDa();
149             }
150         });
151         AlertDialog poruka=builder.create();
152         poruka.show();
153     }
154     public void klikNe(){
155     }
156     public void klikDa(){
157         tip = "brisanje";
158         user_id();
159         Konektor konektor = new Konektor(this);
160         konektor.execute(tip, String.valueOf(user_id));
161     }
162     public void odjava(){
163         if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
164             ((Varijable) this.getApplication()).setVar_log("da");
165             ((Varijable) this.getApplicationContext()).setVar_user(0);
166             ((Varijable) this.getApplicationContext()).setVar_ime("");
167             ((Varijable) this.getApplicationContext()).setVar_prezime("");
168             ((Varijable) this.getApplicationContext()).setVar_oib("");
169             ((Varijable) this.getApplicationContext()).setVar_korisnicko_ime("");
170             ((Varijable) this.getApplicationContext()).setVar_lozinka("");
171             Intent inte = new Intent(Postavke_Activity.this, Login_Activity.class);
172             startActivity(inte);
173             finish();
174         }
175     }
176     public void promjena(){
177         tip = "promjena";
178         user_id();
```

```
179         ime = et_ime.getText().toString();
180         prezime = et_prezime.getText().toString();
181         oib = et_oib.getText().toString();
182         korisnik = et_korisnik.getText().toString();
183         pass1 = et_pass1.getText().toString();
184         pass2 = et_pass2.getText().toString();
185         if(pass1.equals(pass2)) {
186             Konektor konektor = new Konektor(this);
187             konektor.execute(tip, String.valueOf(user_id), ime, prezime, oib,
    korisnik, pass1);
188         }else{
189             Toast.makeText(Postavke_Activity.this, "Lozinke se ne podudaraju!",
    Toast.LENGTH_SHORT).show();
190         }
191     }
192 }
```

Prijava_Activity.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import androidx.annotation.Nullable;
3   import androidx.appcompat.app.AppCompatActivity;
4   import androidx.core.app.ActivityCompat;
5   import androidx.core.content.FileProvider;
6   import androidx.recyclerview.widget.LinearLayoutManager;
7   import androidx.recyclerview.widget.RecyclerView;
8   import android.Manifest;
9   import android.content.ClipData;
10  import android.content.Context;
11  import android.content.Intent;
12  import android.content.pm.PackageManager;
13  import android.location.Address;
14  import android.location.Geocoder;
15  import android.location.Location;
16  import android.location.LocationListener;
17  import android.location.LocationManager;
18  import android.net.Uri;
19  import android.os.Bundle;
20  import android.os.Environment;
21  import android.provider.MediaStore;
22  import android.view.Menu;
23  import android.view.MenuItem;
24  import android.view.MotionEvent;
25  import android.view.View;
26  import android.widget.Button;
27  import android.widget.EditText;
28  import android.widget.ImageButton;
29  import android.widget.TextView;
30  import android.widget.Toast;
31  import com.google.android.gms.maps.CameraUpdateFactory;
32  import com.google.android.gms.maps.GoogleMap;
33  import com.google.android.gms.maps.MapFragment;
34  import com.google.android.gms.maps.OnMapReadyCallback;
35  import com.google.android.gms.maps.model.LatLng;
36  import com.google.android.gms.maps.model.MarkerOptions;
37  import java.io.File;
38  import java.io.IOException;
39  import java.text.SimpleDateFormat;
40  import java.util.ArrayList;
41  import java.util.Date;
42  import java.util.List;
43  import java.util.Locale;
44  public class Prijava_Activity extends AppCompatActivity implements
    MojRecyclerViewAdapter1.ItemLongClickListener, OnMapReadyCallback {
45      ArrayList<Uri> odabraneSlike = new ArrayList<>();
46      String dirSlika;
47      Uri slikaUri;
48      File f;
49      private MojRecyclerViewAdapter1 adapter;
50      public GoogleMap mMap;
51      LocationManager lm;
```

```
52      LocationListener ll;
53      ImageButton bgal, bfot, bloc;
54      Button bsalji;
55      TextView tv_lok;
56      View prozPogled;
57      EditText et_poruka;
58      RecyclerView recyclerView;
59      List<Address> adrese = null;
60      double lat_d, lon_d;
61      String adresa="";
62      String zupanija="";
63      String lat_pr = "";
64      String lon_pr = "";
65      String vis_pr = "";
66      String status;
67      int korisnik_id;
68      String poruka;
69      String tip;
70      String slika_p = "ne";
71      String datum;
72      @Override
73      protected void onCreate(Bundle savedInstanceState) {
74          super.onCreate(savedInstanceState);
75          setContentView(R.layout.activity_prijava);
76          getSupportActionBar().setTitle("Obrazac prijave");
77          bgal = findViewById(R.id.btngal);
78          bfot = findViewById(R.id.btnfot);
79          bloc = findViewById(R.id.btnloc);
80          bsalji = findViewById(R.id.btnsalji);
81          tv_lok = findViewById(R.id.tv_lok);
82          et_poruka = findViewById(R.id.poruka);
83          prozPogled = findViewById(R.id.poz_view);
84          MapFragment mapFragment = (MapFragment)
    getFragmentManager().findFragmentById(R.id.mapPr1);
85          mapFragment.getMapAsync(this);
86          recyclerView = findViewById(R.id.rv1);
87          LinearLayoutManager horizontalLayoutManager
88                  = new LinearLayoutManager(Prijava_Activity.this,
    LinearLayoutManager.HORIZONTAL, false);
89          recyclerView.setLayoutManager(horizontalLayoutManager);
90          adapter = new MojRecyclerViewAdapter1(this, odabraneSlike);
91          adapter.setLongClickListener(this);
92          recyclerView.setAdapter(adapter);
93          lm = (LocationManager) this.getSystemService(Context.LOCATION_SERVICE);
94          ll = new LocationListener() {
95              @Override
96              public void onLocationChanged(Location loc) {
97                  lat_pr = String.valueOf(loc.convert(loc.getLatitude(),
    loc.FORMAT_SECONDS));
98                  lon_pr = String.valueOf(loc.convert(loc.getLongitude(),
    loc.FORMAT_SECONDS));
99                  lat_pr = lat_pr.substring(0, lat_pr.length() - 3);
100                 lon_pr = lon_pr.substring(0, lon_pr.length() - 3);
101                 vis_pr = String.valueOf(loc.getAltitude());
102                 lat_d = loc.getLatitude();
103                 lon_d = loc.getLongitude();
104                 LatLng moja_lokacija = new LatLng(loc.getLatitude(),
    loc.getLongitude());
105                 mMap.clear();
106                 mMap.addMarker(new
    MarkerOptions().position(moja_lokacija).title("TRENUTNA LOKACIJA"));
107                 mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija,
    19));
108                 Geocoder geocoder;
109                 geocoder = new Geocoder(getApplicationContext(),
    Locale.getDefault());
110                 double latitude = loc.getLatitude();
111                 double longitude = loc.getLongitude();
112                 try {
113                     adrese = geocoder.getFromLocation(latitude, longitude, 1);
```

```
114                     adresa = adrese.get(0).getAddressLine(0);
115                     zupanija = adrese.get(0).getAdminArea();
116                 } catch (IOException e) {
117                     e.printStackTrace();
118                 }
119                 tv_lok.setText("Vaša trenutna lokacija je:"+"\n"+"Latituda:
    "+lat_pr+"\n"+"Longituda: "+lon_pr+"\n"
120                         +"Visina: "+vis_pr+"\n"+"Adresa je: "+adresa+",
    "+zupanija);
121                 lm.removeUpdates(ll);
122             }
123             @Override
124             public void onStatusChanged(String provider, int status, Bundle extras)
    {            }
125             @Override
126             public void onProviderEnabled(String provider) {            }
127             @Override
128             public void onProviderDisabled(String provider) {            }
129         };
130         bloc.setOnClickListener(new View.OnClickListener() {
131             @Override
132             public void onClick(View v) {
133                 if (checkSelfPermission(Manifest.permission.ACCESS_FINE_LOCATION)
    !=
134                         PackageManager.PERMISSION_GRANTED &&
135
    checkSelfPermission(Manifest.permission.ACCESS_COARSE_LOCATION) !=
136                                 PackageManager.PERMISSION_GRANTED) {
137                     return;
138                 }
139                 lm.requestLocationUpdates(LocationManager.GPS_PROVIDER, 100, 0,
    ll);
140             }
141         });
142         bfot.setOnClickListener(new View.OnClickListener() {
143             @Override
144             public void onClick(View v) {
145                 izradiSliku();
146             }
147         });
148         bgal.setOnClickListener(new View.OnClickListener() {
149             @Override
150             public void onClick(View v) {
151                 if(ActivityCompat.checkSelfPermission(Prijava_Activity.this,
152                         Manifest.permission.READ_EXTERNAL_STORAGE) !=
    PackageManager.PERMISSION_GRANTED);{
153                     ActivityCompat.requestPermissions(Prijava_Activity.this,
154                             new
    String[]{Manifest.permission.READ_EXTERNAL_STORAGE}, 100);
155                 }
156                 Intent intent = new Intent(Intent.ACTION_GET_CONTENT);
157                 intent.putExtra(Intent.EXTRA_ALLOW_MULTIPLE, true);
158                 intent.setType("image/*");
159                 startActivityForResult(intent, 1);
160             }
161         });
162         prozPogled.setOnTouchListener(new View.OnTouchListener() {
163             @Override
164             public boolean onTouch(View view, MotionEvent motionEvent) {
165                 switch (motionEvent.getAction()) {
166                     case MotionEvent.ACTION_UP:
167                         view.getParent().requestDisallowInterceptTouchEvent(false);
168                         break;
169                     default:
170                         view.getParent().requestDisallowInterceptTouchEvent(true);
171                 }
172                 return false;
173             }
174         });
175         bsalji.setOnClickListener(new View.OnClickListener() {
```

```
176             @Override
177             public void onClick(View v) {
178                 prijavak();
179             }
180         });
181     }
182     @Override
183     protected void onActivityResult(int requestCode, int resultCode, @Nullable
    Intent data) {
184         super.onActivityResult(requestCode, resultCode, data);
185         if(requestCode == 1 && resultCode == RESULT_OK){
186             ClipData clip = data.getClipData();
187             if(clip != null) {
188                 for (int i = 0; i < clip.getItemCount(); i++) {
189                     slikaUri = clip.getItemAt(i).getUri();
190                     odabraneSlike.add(slikaUri);
191                     adapter.notifyDataSetChanged();
192                 }
193             }else{
194                 slikaUri = data.getData();
195                 odabraneSlike.add(slikaUri);
196                 adapter.notifyDataSetChanged();
197             }
198         }
199         if (requestCode == 2 && resultCode == RESULT_OK) {
200             Intent mediaScanIntent = new
    Intent(Intent.ACTION_MEDIA_SCANNER_SCAN_FILE);
201             f = new File(dirSlika);
202             slikaUri = Uri.fromFile(f);
203             mediaScanIntent.setData(slikaUri);
204             this.sendBroadcast(mediaScanIntent);
205             odabraneSlike.add(slikaUri);
206             adapter.notifyDataSetChanged();
207         }
208     }
209     @Override
210     public boolean onCreateOptionsMenu(Menu menu) {
211         getMenuInflater().inflate(R.menu.menu_glavna__login, menu);
212         MenuItem odjava = menu.findItem(R.id.odjava1);
213         MenuItem povijest = menu.findItem(R.id.povijest1);
214         if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
215             odjava.setVisible(true);
216             povijest.setVisible(true);
217         }else {
218             odjava.setVisible(false);
219             povijest.setVisible(false);
220         }
221         return true;
222     }
223     @Override
224     public boolean onOptionsItemSelected(MenuItem item) {
225         int id = item.getItemId();
226         if (id == R.id.oprog) {
227             Intent inte= new Intent(Prijava_Activity.this, Oprog_Activity.class);
228             startActivity(inte);
229         }
230         if (id == R.id.lok || id == R.id.lok2) {
231             Intent inte= new Intent(Prijava_Activity.this,
    Lokacije_Glavna_Activity.class);
232             startActivity(inte);
233             finish();
234         }
235         if (id == R.id.pri || id == R.id.pri2) {
236             Intent inte= new Intent(Prijava_Activity.this, Login_Activity.class);
237             startActivity(inte);
238             finish();
239         }
240         if (id == R.id.postavke) {
241             Intent inte= new Intent(Prijava_Activity.this,
    Postavke_Activity.class);
```

```
242             startActivity(inte);
243         }
244         if (id == R.id.odjava1) {
245             if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
246                 ((Varijable) this.getApplication()).setVar_log("da");
247                 ((Varijable) this.getApplicationContext()).setVar_user(0);
248                 ((Varijable) this.getApplicationContext()).setVar_ime("");
249                 ((Varijable) this.getApplicationContext()).setVar_prezime("");
250                 ((Varijable) this.getApplicationContext()).setVar_oib("");
251                 ((Varijable)
    this.getApplicationContext()).setVar_korisnicko_ime("");
252                 ((Varijable) this.getApplicationContext()).setVar_lozinka("");
253                 Intent inte = new Intent(Prijava_Activity.this,
    Login_Activity.class);
254                 startActivity(inte);
255                 finish();
256                 recreate();
257             }
258         }
259         if(id == R.id.povijest1){
260             Intent inte= new Intent(Prijava_Activity.this,
    PovPrijava_Activity.class);
261             startActivity(inte);
262         }
263         return super.onOptionsItemSelected(item);
264     }
265     private void izradiSliku() {
266         Intent takePictureIntent = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
267         if (takePictureIntent.resolveActivity(getPackageManager()) != null) {
268             File photoFile = null;
269             try {
270                 photoFile = slikaFile();
271             } catch (IOException ex) {
272             }
273             if (photoFile != null) {
274                 Uri photoURI = FileProvider.getUriForFile(this,
275                         "com.unin.kl.zavrsni_rad_kl.fileprovider",
276                         photoFile);
277                 takePictureIntent.putExtra(MediaStore.EXTRA_OUTPUT, photoURI);
278                 startActivityForResult(takePictureIntent, 2);
279             }
280         }
281     }
282     private File slikaFile() throws IOException {
283         String datum = new SimpleDateFormat("yyyyMMdd_HHmmss").format(new Date());
284         String strImeSlike = "JPEG_" + datum + "_";
285         File dirPohrana = getExternalFilesDir(Environment.DIRECTORY_PICTURES);
286         File slika = File.createTempFile(
287                 strImeSlike,  /* prefix */
288                 ".jpg",         /* suffix */
289                 dirPohrana      /* datoteka */
290         );
291         dirSlika = slika.getAbsolutePath();
292         return slika;
293     }
294     @Override
295     public void onItemClick(View view, int position) {
296         odabraneSlike.remove(position);
297         adapter.notifyDataSetChanged();
298     }
299     @Override
300     public void onMapReady(GoogleMap googleMap) {
301         mMap = googleMap;
302         postaviKartu();
303     }
304     void postaviKartu (){
305         mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
306     }
307     @Override
308     public void onResume() {
```

```
309         super.onResume();
310         invalidateOptionsMenu();
311     }
312     public void prijavak(){
313         datum = new SimpleDateFormat("dd.MM.yyyy. HH:mm.ss").format(new Date());
314         status =((Varijable) this.getApplicationContext()).getVar_anon();
315         korisnik_id = (((Varijable) this.getApplicationContext()).getVar_user());
316         if(status.equals("da")){ korisnik_id = 0; }
317         poruka = et_poruka.getText().toString();
318         tip = "prijava";
319         if((odabraneSlike.size()) != 0){
320             slika_p = "da";
321         }
322         Konektor konektor = new Konektor(this);
323         konektor.execute(tip, status, String.valueOf(korisnik_id),
    String.valueOf(lat_d), String.valueOf(lon_d), adresa, zupanija, poruka,
324                 String.valueOf(odabraneSlike), slika_p, String.valueOf(datum));
325     }
326     public void poslano(){
327         Intent inte = new Intent(Prijava_Activity.this, Login_Activity.class);
328         startActivity(inte);
329         finish();
330     }
331     public void slanje(String por) {
332         runOnUiThread(new Runnable() {
333             @Override
334             public void run() {
335                 Toast.makeText(Prijava_Activity.this, por,
    Toast.LENGTH_LONG).show();
336             }
337         });
338     }
339 }
```

MojRecyclerViewAdapter1.java

```
1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Context;
3  import android.net.Uri;
4  import android.view.LayoutInflater;
5  import android.view.View;
6  import android.view.ViewGroup;
7  import android.widget.ImageView;
8  import androidx.annotation.NonNull;
9  import androidx.recyclerview.widget.RecyclerView;
10 import java.util.List;
11 public class MojRecyclerViewAdapter1 extends
   RecyclerView.Adapter<MojRecyclerViewAdapter1.ViewHolder> {
12     private List<Uri> uriLista;
13     private LayoutInflater mojInflater;
14     private ItemLongClickListener mojClickListener;
15     MojRecyclerViewAdapter1(Context context, List<Uri> slike) {
16         this.mojInflater = LayoutInflater.from(context);
17         this.uriLista = slike;
18     }
19     @Override
20     @NonNull
21     public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
22         View view = mojInflater.inflate(R.layout.slika1, parent, false);
23         return new ViewHolder(view);
24     }
25     @Override
26     public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
27         Uri slika = uriLista.get(position);
28         holder.mojIv.setImageURI(slika);
29     }
30     @Override
31     public int getItemCount() {
32         return uriLista.size();
33     }
```

```
34      public class ViewHolder extends RecyclerView.ViewHolder implements
    View.OnLongClickListener {
35          ImageView mojIv;
36          ViewHolder(View v) {
37              super(v);
38              mojIv = v.findViewById(R.id.imageView1);
39              v.setOnLongClickListener(this);
40          }
41          @Override
42          public boolean onLongClick(View view) {
43              if (mojClickListener != null){
44                  mojClickListener.onItemClick(view, getAdapterPosition());}
45              return false;
46          }
47      }
48      public void getItem(int id) {
49          return;
50      }
51      public void setLongClickListener(Prijava_Activity itemLongClickListener) {
52          this.mojClickListener = itemLongClickListener;
53      }
54      public interface ItemLongClickListener {
55          void onItemClick(View view, int position);
56      }
57  }
```

PovPrijava_Activity.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import androidx.appcompat.app.AppCompatActivity;
3   import androidx.recyclerview.widget.LinearLayoutManager;
4   import androidx.recyclerview.widget.RecyclerView;
5   import android.annotation.SuppressLint;
6   import android.content.Intent;
7   import android.os.Bundle;
8   import android.view.Menu;
9   import android.view.MenuItem;
10  import android.view.View;
11  import org.json.JSONArray;
12  import org.json.JSONException;
13  import java.util.ArrayList;
14  public class PovPrijava_Activity extends AppCompatActivity implements
    MojRecyclerViewAdapter2.ItemClickListener {
15      ArrayList<String > podaciArray = new ArrayList<>();
16      ArrayList<String > slikeArray = new ArrayList<>();
17      ArrayList<String > odabraneStavke = new ArrayList<>();
18      ArrayList<String > odabranaPrijava = new ArrayList<>();
19      private MojRecyclerViewAdapter2 adapter;
20      String tip = "";
21      Menu menu;
22      @Override
23      protected void onCreate(Bundle savedInstanceState) {
24          super.onCreate(savedInstanceState);
25          setContentView(R.layout.activity_pov_prijava);
26          getSupportActionBar().setTitle("Povijest prijava");
27          povijestPrijava(String.valueOf(((Varijable)
    this.getApplication()).getVar_user()));
28          RecyclerView recyclerView = findViewById(R.id.rv2);
29          @SuppressLint("WrongConstant")
30          LinearLayoutManager vertikalLayoutManager = new
    LinearLayoutManager(PovPrijava_Activity.this,
31                  LinearLayoutManager.VERTICAL, false);
32          recyclerView.setLayoutManager(vertikalLayoutManager);
33          adapter = new MojRecyclerViewAdapter2(this, odabraneStavke);
34          adapter.setClickListener(this);
35          recyclerView.setAdapter(adapter);
36      }
37      @Override
38      public boolean onCreateOptionsMenu(Menu menu) {
39          this.menu = menu;
40          getMenuInflater().inflate(R.menu.menu_glavna__login, menu);
```

```
41          MenuItem odjava = menu.findItem(R.id.odjava1);
42          MenuItem povijest = menu.findItem(R.id.povijest1);
43          if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
44              odjava.setVisible(true);
45              povijest.setVisible(true);
46          }
47          return true;
48      }
49      @Override
50      public boolean onOptionsItemSelected(MenuItem item) {
51          int id = item.getItemId();
52          if (id == R.id.oprog) {
53              Intent inte= new Intent(PovPrijava_Activity.this,
    Oprog_Activity.class);
54              startActivity(inte);
55          }
56          if (id == R.id.lok || id == R.id.lok2) {
57              Intent inte= new Intent(PovPrijava_Activity.this,
    Lokacije_Glavna_Activity.class);
58              startActivity(inte);
59              finish();
60          }
61          if (id == R.id.pri || id == R.id.lok) {
62              Intent inte= new Intent(PovPrijava_Activity.this,
    Login_Activity.class);
63              startActivity(inte);
64              finish();
65          }
66          if (id == R.id.postavke) {
67              Intent inte= new Intent(PovPrijava_Activity.this,
    Postavke_Activity.class);
68              startActivity(inte);
69          }
70          if (id == R.id.odjava1) {
71              if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
72                  ((Varijable) this.getApplication()).setVar_log("da");
73                  ((Varijable) this.getApplicationContext()).setVar_user(0);
74                  ((Varijable) this.getApplicationContext()).setVar_ime("");
75                  ((Varijable) this.getApplicationContext()).setVar_prezime("");
76                  ((Varijable) this.getApplicationContext()).setVar_oib("");
77                  ((Varijable)
    this.getApplicationContext()).setVar_korisnicko_ime("");
78                  ((Varijable) this.getApplicationContext()).setVar_lozinka("");
79                  Intent inte = new Intent(PovPrijava_Activity.this,
    Login_Activity.class);
80                  startActivity(inte);
81                  finish();
82              }
83          }
84          if (id == R.id.povijest1) {
85          }
86          return super.onOptionsItemSelected(item);
87      }
88      public String povijestPrijava(String s){
89          tip = "dohvat_lista";
90          Konektor konektor = new Konektor(this);
91          konektor.execute(tip, s);
92          return null;
93      }
94      public void obradaPodaci(String por) {
95          String[] podaci = new String[0];
96          JSONArray jsonArray = null;
97          try {
98              jsonArray = new JSONArray(por);
99              podaci = new String[jsonArray.length()];
100             for (int i = 0; i < jsonArray.length(); i++) {
101                 podaci[i] = jsonArray.getString(i);
102                 podaciArray.add(podaci[i]);
103             }
104         } catch (JSONException e) {
```

```
105             e.printStackTrace();
106         }
107     }
108     public void obradaSlike(String por) {
109         String[] podaci = new String[0];
110         JSONArray jsonArray = null;
111         try {
112             jsonArray = new JSONArray(por);
113             podaci = new String[jsonArray.length()];
114             for (int i = 0; i < jsonArray.length(); i++) {
115                 podaci[i] = jsonArray.getString(i);
116                 slikeArray.add(podaci[i]);
117             }
118         } catch (JSONException e) {
119             e.printStackTrace();
120         }
121     }
122     public void dohvatSlika(int poz){
123         tip = "dohvat_slika";
124         Konektor konektor = new Konektor(this);
125         konektor.execute(tip, String.valueOf(poz));
126     }
127     public void postavljanje(){
128         for(int i = 3; i < podaciArray.size(); i = i+11){
129             odabraneStavke.add(podaciArray.get(i));
130         }
131         adapter.notifyDataSetChanged();
132     }
133     public void spremanjeSlika(){
134         ((Varijable) this.getApplication()).setVar_slike(slikeArray);
135         prikaz();
136     }
137     @Override
138     public void onItemClick(View view, int position) {
139         int pozicija = 0;
140         if(position == 0){pozicija = 0;}
141         if(position != 0 ){pozicija = position * 11;}
142         odabranaPrijava.clear();
143         for(int i = pozicija; i < (pozicija + 11); i++){
144             odabranaPrijava.add(podaciArray.get(i));
145         }
146         ((Varijable) this.getApplication()).setVar_podaci(null);
147         ((Varijable) this.getApplication()).setVar_podaci(odabranaPrijava);
148         String test = podaciArray.get(pozicija+9);
149         if(test.equals("da")){
150             slikeArray.clear();
151             dohvatSlika(Integer.parseInt(podaciArray.get(pozicija)));
152             prikaz();
153         }else{ prikaz(); }
154     }
155     public void prikaz(){
156         Intent inte= new Intent(PovPrijava_Activity.this,
    PrijavaSpr_Activity.class);
157         startActivity(inte);
158     }
159 }
```

MojeRcyclerViewAdapter2.java

```
1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Context;
3  import android.view.LayoutInflater;
4  import android.view.View;
5  import android.view.ViewGroup;
6  import android.widget.TextView;
7  import androidx.annotation.NonNull;
8  import androidx.recyclerview.widget.RecyclerView;
9  import java.util.List;
10 public class MojRecyclerViewAdapter2 extends
   RecyclerView.Adapter<MojRecyclerViewAdapter2.ViewHolder> {
11     private List<String> stavkeLista;
```

```
12      private LayoutInflater mojInflater;
13      private ItemClickListener mojClickListener;
14      MojRecyclerViewAdapter2(Context context, List<String> datumi) {
15          this.mojInflater = LayoutInflater.from(context);
16          this.stavkeLista = datumi;
17      }
18      @Override
19      @NonNull
20      public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
21          View view = mojInflater.inflate(R.layout.povstavka, parent, false);
22          return new ViewHolder(view);
23      }
24      @Override
25      public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
26          String tekst = stavkeLista.get(position);
27          holder.tvDatum.setText(tekst);
28      }
29      @Override
30      public int getItemCount() {
31          return stavkeLista.size();
32      }
33      public class ViewHolder extends RecyclerView.ViewHolder implements
    View.OnClickListener {
34          TextView tvDatum;
35          ViewHolder(View v) {
36              super(v);
37              tvDatum = v.findViewById(R.id.tv_datum);
38              v.setOnClickListener(this);
39          }
40          @Override
41          public void onClick(View view) {
42              if (mojClickListener != null){
43                  mojClickListener.onItemClick(view, getAdapterPosition());}
44          }
45      }
46      public void getItem(int id) {
47          return;
48      }
49      public void setClickListener(ItemClickListener itemClickListener) {
50          this.mojClickListener = itemClickListener;
51      }
52      public interface ItemClickListener {
53          void onItemClick(View view, int position);
54      }
55  }
```

PrijavaSpr_Activity.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import androidx.appcompat.app.AppCompatActivity;
3   import androidx.recyclerview.widget.LinearLayoutManager;
4   import androidx.recyclerview.widget.RecyclerView;
5   import android.content.Intent;
6   import android.location.Location;
7   import android.os.Bundle;
8   import android.view.Menu;
9   import android.view.MenuItem;
10  import android.view.MotionEvent;
11  import android.view.View;
12  import android.widget.TextView;
13  import com.google.android.gms.maps.CameraUpdateFactory;
14  import com.google.android.gms.maps.GoogleMap;
15  import com.google.android.gms.maps.MapFragment;
16  import com.google.android.gms.maps.OnMapReadyCallback;
17  import com.google.android.gms.maps.model.LatLng;
18  import com.google.android.gms.maps.model.MarkerOptions;
19  import java.util.ArrayList;
20  public class PrijavaSpr_Activity extends AppCompatActivity implements
    OnMapReadyCallback {
21      ArrayList<String > odabranaPrijava = new ArrayList<>();
22      ArrayList<String > ucitaneSlikeArray = new ArrayList<>();
```

```
23      ArrayList<String > pojedineUcitaneSlikeArray = new ArrayList<>();
24      TextView tvDatumNaslov, tvDatum, tvLokKordNaslov, tvLokKord, tvLokAddNaslov,
    tvLokAdd,
25              tvPoruka, tvOdgovor;
26      View prozMapPogled;
27      RecyclerView recyclerView;
28      private MojRecyclerViewAdapter3 adapter;
29      public GoogleMap mMap;
30      boolean map_a = false;
31      double lat_d = 0;
32      double lon_d = 0;
33      String lat_s = "";
34      String lon_s = "";
35      @Override
36      protected void onCreate(Bundle savedInstanceState) {
37          super.onCreate(savedInstanceState);
38          setContentView(R.layout.activity_prijava_spr);
39          getSupportActionBar().setTitle("Prijava");
40          tvDatumNaslov = findViewById(R.id.tv_datum_naslov);
41          tvDatum = findViewById(R.id.tv_datum);
42          tvLokKordNaslov = findViewById(R.id.tv_lok_kord_naslov);
43          tvLokAdd = findViewById(R.id.tv_lok_add);
44          tvLokAddNaslov = findViewById(R.id.tv_lok_add_naslov);
45          tvLokKord = findViewById(R.id.tv_lok_kord);
46          tvPoruka = findViewById(R.id.tv_poruka);
47          tvOdgovor = findViewById(R.id.tv_odgovor);
48          prozMapPogled = findViewById(R.id.proz_map_view);
49          MapFragment mapFragment = (MapFragment)
    getFragmentManager().findFragmentById(R.id.mapPr3);
50          mapFragment.getMapAsync(this);
51          recyclerView = findViewById(R.id.rv3);
52          LinearLayoutManager horizontalLayoutManager
53                  = new LinearLayoutManager(PrijavaSpr_Activity.this,
    LinearLayoutManager.HORIZONTAL, false);
54          recyclerView.setLayoutManager(horizontalLayoutManager);
55          adapter = new MojRecyclerViewAdapter3(this, pojedineUcitaneSlikeArray);
56          recyclerView.setAdapter(adapter);
57          odabranaPrijava = ((Varijable) this.getApplication()).getVar_podaci();
58          postaviSve();
59          prozMapPogled.setOnTouchListener(new View.OnTouchListener() {
60              @Override
61              public boolean onTouch(View view, MotionEvent motionEvent) {
62                  switch (motionEvent.getAction()) {
63                      case MotionEvent.ACTION_UP:
64                          view.getParent().requestDisallowInterceptTouchEvent(false);
65                          break;
66                      default:
67                          view.getParent().requestDisallowInterceptTouchEvent(true);
68                  }
69                  return false;
70              }
71          });
72      }
73      @Override
74      public boolean onCreateOptionsMenu(Menu menu) {
75          getMenuInflater().inflate(R.menu.menu_glavna__login, menu);
76          MenuItem odjava = menu.findItem(R.id.odjava1);
77          MenuItem povijest = menu.findItem(R.id.povijest1);
78          if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
79              odjava.setVisible(true);
80              povijest.setVisible(true);
81          }else {
82              odjava.setVisible(false);
83              povijest.setVisible(false);
84          }
85          return true;
86      }
87      @Override
88      public boolean onOptionsItemSelected(MenuItem item) {
89          int id = item.getItemId();
```

```
90          if (id == R.id.oprog) {
91              Intent inte= new Intent(PrijavaSpr_Activity.this,
    Oprog_Activity.class);
92              startActivity(inte);
93          }
94          if (id == R.id.lok || id == R.id.lok2) {
95              Intent inte= new Intent(PrijavaSpr_Activity.this,
    Lokacije_Glavna_Activity.class);
96              startActivity(inte);
97              finish();
98          }
99          if (id == R.id.pri || id == R.id.pri2) {
100             Intent inte= new Intent(PrijavaSpr_Activity.this,
    Login_Activity.class);
101             startActivity(inte);
102             finish();
103         }
104         if (id == R.id.postavke) {
105             Intent inte= new Intent(PrijavaSpr_Activity.this,
    Postavke_Activity.class);
106             startActivity(inte);
107         }
108         if (id == R.id.odjava1) {
109             if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
110                 ((Varijable) this.getApplication()).setVar_log("da");
111                 ((Varijable) this.getApplicationContext()).setVar_user(0);
112                 ((Varijable) this.getApplicationContext()).setVar_ime("");
113                 ((Varijable) this.getApplicationContext()).setVar_prezime("");
114                 ((Varijable) this.getApplicationContext()).setVar_oib("");
115                 ((Varijable)
    this.getApplicationContext()).setVar_korisnicko_ime("");
116                 ((Varijable) this.getApplicationContext()).setVar_lozinka("");
117                 Intent inte = new Intent(PrijavaSpr_Activity.this,
    Login_Activity.class);
118                 startActivity(inte);
119                 finish();
120                 recreate();
121             }
122         }
123         if(id == R.id.povijest1){
124             Intent inte= new Intent(PrijavaSpr_Activity.this,
    PovPrijava_Activity.class);
125             startActivity(inte);
126             finish();
127         }
128         return super.onOptionsItemSelected(item);
129     }
130     @Override
131     public void onMapReady(GoogleMap googleMap) {
132         mMap = googleMap;
133         postaviKartu ();
134     }
135     void postaviKartu (){
136         mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
137         if(map_a == true){ pokaziLok(); }
138     }
139     public void postaviSve(){
140         tvDatum.setText(odabranaPrijava.get(3));
141         if(odabranaPrijava.get(10).equals("")){
142             tvOdgovor.setVisibility(View.GONE);
143         }else{
144             tvOdgovor.setText(odabranaPrijava.get(10));
145         }
146         if(odabranaPrijava.get(8).equals("")){
147             tvPoruka.setVisibility(View.GONE);
148         }else{
149             tvPoruka.setText(odabranaPrijava.get(8));
150         }
151         if(odabranaPrijava.get(9).equals("da")) {
152             ucitaneSlikeArray = ((Varijable) this.getApplication()).getVar_slike();
```

```
153             for(int i = 0; i < ucitaneSlikeArray.size(); i++){
154                 pojedineUcitaneSlikeArray.add(ucitaneSlikeArray.get(i));
155                 adapter.notifyDataSetChanged();
156             }
157         }else{
158             recyclerView.setVisibility(View.GONE);
159             tvDatumNaslov.offsetTopAndBottom(10);
160         }
161         map_a = true;
162     }
163     public void pokaziLok(){
164         if(odabranaPrijava.get(4).equals("0.0") &&
    odabranaPrijava.get(5).equals("0.0")){
165             tvLokKordNaslov.setVisibility(View.GONE);
166             tvLokKord.setVisibility(View.GONE);
167             tvLokAddNaslov.setVisibility(View.GONE);
168             tvLokAdd.setVisibility(View.GONE);
169             View fragmentMap = this.findViewById(R.id.mapPr3);
170             fragmentMap.setVisibility(View.GONE);
171             prozMapPogled.setVisibility(View.GONE);
172         }else{
173             lat_d = Double.parseDouble(odabranaPrijava.get(4));
174             lon_d = Double.parseDouble(odabranaPrijava.get(5));
175             LatLng moja_lokacija = new LatLng(lat_d, lon_d);
176             lat_s = String.valueOf(Location.convert(lat_d,
    Location.FORMAT_SECONDS));
177             lon_s = String.valueOf(Location.convert(lon_d,
    Location.FORMAT_SECONDS));
178             lat_s = lat_s.substring(0, lat_s.length() - 3);
179             lon_s = lon_s.substring(0, lon_s.length() - 3);
180             mMap.clear();
181             mMap.addMarker(new
    MarkerOptions().position(moja_lokacija).title("LOKACIJA PRIJAVE"));
182             mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija, 19));
183             if(odabranaPrijava.get(6).equals("") &&
    odabranaPrijava.get(7).equals("")){
184                 tvLokKord.setText("Latituda: "+lat_s+"\n"+"Longituda: "+lon_s);
185             }else{
186                 tvLokKord.setText("Latituda: "+lat_s+"\n"+"Longituda: "+lon_s);
187                 tvLokAdd.setText(odabranaPrijava.get(6)+",
    "+odabranaPrijava.get(7));
188             }
189         }
190     }
191 }
```

MojRecyclerViewAdapter3.java

```
1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Context;
3  import android.view.LayoutInflater;
4  import android.view.View;
5  import android.view.ViewGroup;
6  import android.widget.ImageView;
7  import androidx.annotation.NonNull;
8  import androidx.recyclerview.widget.RecyclerView;
9  import com.squareup.picasso.Picasso;
10 import java.util.List;
11 public class MojRecyclerViewAdapter3 extends
    RecyclerView.Adapter<MojRecyclerViewAdapter3.ViewHolder> {
12     private List<String> urlLista;
13     private LayoutInflater mojInflater;
14     MojRecyclerViewAdapter3(Context context, List<String> slike) {
15         this.mojInflater = LayoutInflater.from(context);
16         this.urlLista = slike;
17     }
18     @Override
19     @NonNull
20     public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
21         View view = mojInflater.inflate(R.layout.slika1, parent, false);
22         return new ViewHolder(view);
```

```
    }
    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        String slika = urlLista.get(position);
        Picasso.get().load(slika).into(holder.mojIv);
    }
    @Override
    public int getItemCount() {
        return urlLista.size();
    }
    public class ViewHolder extends RecyclerView.ViewHolder {
        ImageView mojIv;
        ViewHolder(View v) {
            super(v);
            mojIv = v.findViewById(R.id.imageView1);
        }
    }
}
```

Varijable.java

```
package com.unin.kl.zavrsni_rad_kl;
import android.app.Application;
import java.util.ArrayList;
public class Varijable extends Application {
    public static String log_stat = "da";
    public static int user_id = 0;
    public static String anonimna = "ne";
    public static String ime = "";
    public static String prezime = "";
    public static String oib = "";
    public static String korisnicko_ime = "";
    public static String lozinka = "";
    public static String pregledPri = "ne";
    ArrayList<String > podaciArray = new ArrayList<>();
    ArrayList<String > slikeArray = new ArrayList<>();
    public int getVar_user() { return user_id; }
    public void setVar_user(int sVar_user) { this.user_id = sVar_user; }
    public String getVar_log() { return log_stat; }
    public void setVar_log(String sVar_log) { this.log_stat = sVar_log; }
    public String getVar_anon() { return anonimna; }
    public void setVar_anon(String sVar_anon) { this.anonimna = sVar_anon; }
    public String getVar_ime() { return ime; }
    public void setVar_ime(String sVar_ime) { this.ime = sVar_ime; }
    public String getVar_prezime() { return prezime; }
    public void setVar_prezime(String sVar_prezime) { this.prezime = sVar_prezime;
}
    public String getVar_oib() { return oib; }
    public void setVar_oib(String sVar_oib) { this.oib = sVar_oib; }
    public String getVar_korisnicko_ime() { return korisnicko_ime; }
    public void setVar_korisnicko_ime(String sVar_korisnicko_ime) {
this.korisnicko_ime = sVar_korisnicko_ime; }
    public String getVar_lozinka() { return lozinka; }
    public void setVar_lozinka(String sVar_lozinka) { this.lozinka = sVar_lozinka;
}
    public ArrayList getVar_podaci() { return podaciArray; }
    public void setVar_podaci(ArrayList sVar_podaci) { this.podaciArray =
sVar_podaci; }
    public ArrayList getVar_slike() { return slikeArray; }
    public void setVar_slike(ArrayList sVar_slike) { this.slikeArray = sVar_slike;
}
}
```

Konektor.java

```
package com.unin.kl.zavrsni_rad_kl;
import android.content.Context;
import android.content.SharedPreferences;
import android.graphics.Bitmap;
import android.graphics.BitmapFactory;
import android.net.Uri;
```

```
7  import android.os.AsyncTask;
8  import android.provider.MediaStore;
9  import android.util.Base64;
10 import android.util.Log;
11 import android.widget.Toast;
12 import org.json.JSONArray;
13 import org.json.JSONException;
14 import java.io.BufferedReader;
15 import java.io.BufferedWriter;
16 import java.io.ByteArrayOutputStream;
17 import java.io.IOException;
18 import java.io.InputStream;
19 import java.io.InputStreamReader;
20 import java.io.OutputStream;
21 import java.io.OutputStreamWriter;
22 import java.net.HttpURLConnection;
23 import java.net.MalformedURLException;
24 import java.net.URL;
25 import java.net.URLEncoder;
26 import static android.content.Context.MODE_PRIVATE;
27 public class Konektor extends AsyncTask<String, Integer, String> {
28     Context kontekst;
29     String url_str = "";
30     String slika_str;
31     String rezultat = "";
32     String rezultat_s = "";
33     String linija = "";
34     String ip = "";
35     private Bitmap bitmap;
36     Uri uri;
37     String tip = "";
38     String korisnicko_ime, lozinka;
39     Konektor (Context ctx) { kontekst = ctx; }
40     SharedPreferences sp;
41     HttpURLConnection httpURLKonekcija;
42     OutputStream izlazniStream;
43     BufferedWriter bufferPisac;
44     String post_data;
45     InputStream ulazniStream;
46     BufferedReader bufferCitac;
47     URL url;
48     @Override
49     protected String doInBackground(String... parametar) {
50         sp = kontekst.getSharedPreferences("SPREMANJE_POSTAVKI", MODE_PRIVATE);
51         ip=sp.getString("IP_server", "127.0.0.1");
52         tip = parametar[0];
53         if(tip.equals("login")) {
54             url_str = "http://"+ip+"/zavrsnirad/login.php";
55             try {
56                 korisnicko_ime = parametar[1];
57                 lozinka = parametar[2];
58                 url = new URL(url_str);
59                 httpURLKonekcija = (HttpURLConnection)url.openConnection();
60                 httpURLKonekcija.setRequestMethod("POST");
61                 httpURLKonekcija.setDoOutput(true);
62                 httpURLKonekcija.setDoInput(true);
63                 izlazniStream = httpURLKonekcija.getOutputStream();
64                 bufferPisac = new BufferedWriter(new
   OutputStreamWriter(izlazniStream,
65                         "UTF-8"));
66                 post_data = URLEncoder.encode("korisnicko_ime","UTF-8")+
67                         "="+URLEncoder.encode(korisnicko_ime,"UTF-8")+
68                         "&"+URLEncoder.encode("lozinka","UTF-8")+
69                         "="+ URLEncoder.encode(lozinka,"UTF-8");
70                 bufferPisac.write(post_data);
71                 bufferPisac.flush();
72                 bufferPisac.close();
73                 izlazniStream.close();
74                 ulazniStream = httpURLKonekcija.getInputStream();
```

```
75                  bufferCitac = new BufferedReader(new
   InputStreamReader(ulazniStream,
76                          "UTF-8"));
77                  while((linija = bufferCitac.readLine())!= null) {
78                      rezultat += linija;
79                  }
80                  bufferCitac.close();
81                  ulazniStream.close();
82                  httpURLKonekcija.disconnect();
83                  return rezultat;
84              } catch (MalformedURLException e) {
85                  e.printStackTrace();
86              } catch (IOException e) {
87                  e.printStackTrace();
88              }
89          }
90          if(tip.equals("reg")) {
91              url_str = "http://"+ip+"/zavrsnirad/registracija.php";
92              String ime = parametar[1];
93              String prezime = parametar[2];
94              String oib = parametar[3];
95              korisnicko_ime = parametar[4];
96              lozinka = parametar[5];
97              try {
98                  url = new URL(url_str);
99                  httpURLKonekcija = (HttpURLConnection)url.openConnection();
100                 httpURLKonekcija.setRequestMethod("POST");
101                 httpURLKonekcija.setDoOutput(true);
102                 httpURLKonekcija.setDoInput(true);
103                 izlazniStream = httpURLKonekcija.getOutputStream();
104                 bufferPisac = new BufferedWriter(new
   OutputStreamWriter(izlazniStream,
105                         "UTF-8"));
106                 post_data = URLEncoder.encode("ime","UTF-8")+"="
107                         +URLEncoder.encode(ime,"UTF-8")+
108                         "&"+URLEncoder.encode("prezime","UTF-8")+"="
109                         + URLEncoder.encode(prezime,"UTF-8")+
110                         "&"+URLEncoder.encode("oib","UTF-8")+"="
111                         + URLEncoder.encode(oib,"UTF-8")+
112                         "&"+URLEncoder.encode("korisnicko_ime","UTF-8")+"="
113                         + URLEncoder.encode(korisnicko_ime,"UTF-8")+
114                         "&"+URLEncoder.encode("lozinka","UTF-8")+"="
115                         + URLEncoder.encode(lozinka,"UTF-8");
116                 bufferPisac.write(post_data);
117                 bufferPisac.flush();
118                 bufferPisac.close();
119                 izlazniStream.close();
120                 ulazniStream = httpURLKonekcija.getInputStream();
121                 bufferCitac = new BufferedReader(new
   InputStreamReader(ulazniStream,
122                         "UTF-8"));
123                 rezultat = "";
124                 linija = "";
125                 while((linija = bufferCitac.readLine())!= null) {
126                     rezultat += linija;
127                 }
128                 bufferCitac.close();
129                 ulazniStream.close();
130                 httpURLKonekcija.disconnect();
131                 return rezultat;
132             } catch (MalformedURLException e) {
133                 e.printStackTrace();
134             } catch (IOException e) {
135                 e.printStackTrace();
136             }
137         }
138         if(tip.equals("promjena")) {
139             url_str = "http://"+ip+"/zavrsnirad/promjena.php";
140             String id = parametar[1];
141             String ime = parametar[2];
```

```
142             String prezime = parametar[3];
143             String oib = parametar[4];
144             korisnicko_ime = parametar[5];
145             lozinka = parametar[6];
146             try {
147                 url = new URL(url_str);
148                 httpURLKonekcija = (HttpURLConnection)url.openConnection();
149                 httpURLKonekcija.setRequestMethod("POST");
150                 httpURLKonekcija.setDoOutput(true);
151                 httpURLKonekcija.setDoInput(true);
152                 izlazniStream = httpURLKonekcija.getOutputStream();
153                 bufferPisac = new BufferedWriter(new
    OutputStreamWriter(izlazniStream,
154                         "UTF-8"));
155                 post_data = URLEncoder.encode("tip","UTF-8")+
156                         "="+URLEncoder.encode(tip,"UTF-8")+
157                         "&"+URLEncoder.encode("id","UTF-8")+
158                         "="+ URLEncoder.encode(id,"UTF-8")+
159                         "&"+URLEncoder.encode("ime","UTF-8")+
160                         "="+URLEncoder.encode(ime,"UTF-8")+
161                         "&"+URLEncoder.encode("prezime","UTF-8")+
162                         "="+ URLEncoder.encode(prezime,"UTF-8")+
163                         "&"+URLEncoder.encode("oib","UTF-8")+
164                         "="+ URLEncoder.encode(oib,"UTF-8")+
165                         "&"+URLEncoder.encode("korisnicko_ime","UTF-8")+
166                         "="+ URLEncoder.encode(korisnicko_ime,"UTF-8")+
167                         "&"+URLEncoder.encode("lozinka","UTF-8")+
168                         "="+ URLEncoder.encode(lozinka,"UTF-8");
169                 bufferPisac.write(post_data);
170                 bufferPisac.flush();
171                 bufferPisac.close();
172                 izlazniStream.close();
173                 ulazniStream = httpURLKonekcija.getInputStream();
174                 bufferCitac = new BufferedReader(new
    InputStreamReader(ulazniStream,
175                         "UTF-8"));
176                 rezultat = "";
177                 linija = "";
178                 while((linija = bufferCitac.readLine())!= null) {
179                     rezultat += linija;
180                 }
181                 bufferCitac.close();
182                 ulazniStream.close();
183                 httpURLKonekcija.disconnect();
184                 return rezultat;
185             } catch (MalformedURLException e) {
186                 e.printStackTrace();
187             } catch (IOException e) {
188                 e.printStackTrace();
189             }
190         }
191         if(tip.equals("brisanje")) {
192             url_str = "http://"+ip+"/zavrsnirad/promjena.php";
193             String id = parametar[1];
194             try {
195                 url = new URL(url_str);
196                 httpURLKonekcija = (HttpURLConnection)url.openConnection();
197                 httpURLKonekcija.setRequestMethod("POST");
198                 httpURLKonekcija.setDoOutput(true);
199                 httpURLKonekcija.setDoInput(true);
200                 izlazniStream = httpURLKonekcija.getOutputStream();
201                 bufferPisac = new BufferedWriter(new
    OutputStreamWriter(izlazniStream,
202                         "UTF-8"));
203                 post_data = URLEncoder.encode("tip","UTF-8")+
204                         "="+URLEncoder.encode(tip,"UTF-8")+
205                         "&"+URLEncoder.encode("id","UTF-8")+
206                         "="+URLEncoder.encode(id,"UTF-8");
207                 bufferPisac.write(post_data);
208                 bufferPisac.flush();
```

```
209                 bufferPisac.close();
210                 izlazniStream.close();
211                 ulazniStream = httpURLKonekcija.getInputStream();
212                 bufferCitac = new BufferedReader(new
    InputStreamReader(ulazniStream,"UTF-8"));
213                 rezultat = "";
214                 linija = "";
215                 while((linija = bufferCitac.readLine())!= null) {
216                     rezultat += linija;
217                 }
218                 bufferCitac.close();
219                 ulazniStream.close();
220                 httpURLKonekcija.disconnect();
221                 return rezultat;
222             } catch (MalformedURLException e) {
223                 e.printStackTrace();
224             } catch (IOException e) {
225                 e.printStackTrace();
226             }
227         }
228         if(tip.equals("prijava")) {
229             url_str = "http://"+ip+"/zavrsnirad/prijava.php";
230             String status = parametar[1];
231             String korisnik_id = parametar[2];
232             String lat = parametar[3];
233             String lon = parametar[4];
234             String adresa = parametar[5];
235             String zupanija = parametar[6];
236             String poruka = parametar[7];
237             String slike = parametar[8];
238             String slika_p = parametar[9];
239             String datum = parametar[10];
240             try {
241                 url = new URL(url_str);
242                 httpURLKonekcija = (HttpURLConnection)url.openConnection();
243                 httpURLKonekcija.setRequestMethod("POST");
244                 httpURLKonekcija.setDoOutput(true);
245                 httpURLKonekcija.setDoInput(true);
246                 izlazniStream = httpURLKonekcija.getOutputStream();
247                 bufferPisac = new BufferedWriter(new
    OutputStreamWriter(izlazniStream,
248                         "UTF-8"));
249                 post_data = URLEncoder.encode("tip","UTF-8")+
250                         "="+URLEncoder.encode(tip,"UTF-8")+
251                         "&"+URLEncoder.encode("anon","UTF-8")+
252                         "="+URLEncoder.encode(status,"UTF-8")+
253                         "&"+URLEncoder.encode("korisnik_id","UTF-8")+
254                         "="+URLEncoder.encode(korisnik_id,"UTF-8")+
255                         "&"+URLEncoder.encode("latituda","UTF-8")+
256                         "="+ URLEncoder.encode(lat,"UTF-8")+
257                         "&"+URLEncoder.encode("longituda","UTF-8")+
258                         "="+ URLEncoder.encode(lon,"UTF-8")+
259                         "&"+URLEncoder.encode("adresa","UTF-8")+
260                         "="+ URLEncoder.encode(adresa,"UTF-8")+
261                         "&"+URLEncoder.encode("zupanija","UTF-8")+
262                         "="+ URLEncoder.encode(zupanija,"UTF-8")+
263                         "&"+URLEncoder.encode("poruka","UTF-8")+
264                         "="+ URLEncoder.encode(poruka,"UTF-8")+
265                         "&"+URLEncoder.encode("ima_slika","UTF-8")+
266                         "="+ URLEncoder.encode(slika_p,"UTF-8")+
267                         "&"+URLEncoder.encode("datum","UTF-8")+
268                         "="+ URLEncoder.encode(datum,"UTF-8");
269                 bufferPisac.write(post_data);
270                 bufferPisac.flush();
271                 bufferPisac.close();
272                 izlazniStream.close();
273                 ulazniStream = httpURLKonekcija.getInputStream();
274                 bufferCitac = new BufferedReader(new
    InputStreamReader(ulazniStream,
275                         "UTF-8"));
```

```
276                 rezultat = "";
277                 linija = "";
278                 while((linija = bufferCitac.readLine())!= null) {
279                     rezultat += linija;
280                 }
281                 bufferCitac.close();
282                 ulazniStream.close();
283                 httpURLKonekcija.disconnect();
284                 String[] podaci = new String[0];
285                 String split[] = rezultat.split("//");
286                 if (split[0].equals("uspjesno_prijava")) {
287                     JSONArray jsonArray = null;
288                     try {
289                         jsonArray = new JSONArray(split[1]);
290                         podaci = new String[jsonArray.length()];
291                         for (int i = 0; i < jsonArray.length(); i++) {
292                             podaci[i] = jsonArray.getString(i);
293                         }
294                     } catch (JSONException e) {
295                         e.printStackTrace();
296                     }
297                     if (slika_p.equals("da")){
298                         String bezZagada = slike.substring( 1, slike.length() - 1);
299                         String[] lista = bezZagada.split( ", ");
300                         for (int i = 0; i < lista.length; i++) {
301                             url_str = "http://" + ip + "/zavrsnirad/slike.php";
302                             String st = "Šaljem "+(i+1)+"/"+lista.length+" slika.";
303                             ((Prijava_Activity) kontekst).slanje(st);
304                             try {
305                                 uri = Uri.parse(lista[i]);
306                                 bitmap = BitmapFactory.decodeFile(uri.getPath());
307                                 ByteArrayOutputStream stream = new
    ByteArrayOutputStream();
308                                 bitmap = MediaStore.Images.Media.getBitmap(
309
    kontekst.getContentResolver(),Uri.parse(lista[i]));
310                                 bitmap.compress(Bitmap.CompressFormat.JPEG, 100,
    stream);
311                                 bitmap.recycle();
312                                 byte[] array = stream.toByteArray();
313                                 slika_str = Base64.encodeToString(array, 0);
314                                 url = new URL(url_str);
315                                 httpURLKonekcija = (HttpURLConnection)
    url.openConnection();
316                                 httpURLKonekcija.setRequestMethod("POST");
317                                 httpURLKonekcija.setDoOutput(true);
318                                 httpURLKonekcija.setDoInput(true);
319                                 izlazniStream = httpURLKonekcija.getOutputStream();
320                                 bufferPisac = new BufferedWriter(new
    OutputStreamWriter(
321                                         izlazniStream, "UTF-8"));
322                                 post_data = URLEncoder.encode("slika_str", "UTF-8")
    +
323                                         "=" + URLEncoder.encode(slika_str, "UTF-8")
    +
324                                         "&" + URLEncoder.encode("ime", "UTF-8") +
325                                         "=" + URLEncoder.encode("Slika", "UTF-8") +
326                                         "&" + URLEncoder.encode("id_prijenos",
    "UTF-8") +
327                                         "=" + URLEncoder.encode(podaci[0], "UTF-
    8");
328                                 bufferPisac.write(post_data);
329                                 bufferPisac.flush();
330                                 bufferPisac.close();
331                                 izlazniStream.close();
332                                 Log.i("MOJ","Slika_str poslano: "+slika_str);
333                                 ulazniStream = httpURLKonekcija.getInputStream();
334                                 bufferCitac = new BufferedReader(new
    InputStreamReader(ulazniStream,
335                                         "UTF-8"));
```

```
336                                 rezultat_s = "";
337                                 linija = "";
338                                 while ((linija = bufferCitac.readLine()) != null) {
339                                     rezultat_s += linija;
340                                 }
341                                 if (rezultat_s.equals("neuspjesno_slika")) {
342                                     return rezultat_s;
343                                 }
344                                 bufferCitac.close();
345                                 ulazniStream.close();
346                                 httpURLKonekcija.disconnect();
347                             } catch (MalformedURLException e) {
348                                     e.printStackTrace();
349                             } catch (IOException e) {
350                                     e.printStackTrace();
351                                 }
352                         }
353                     }
354                 }
355                 return rezultat;
356             } catch (MalformedURLException e) {
357                 e.printStackTrace();
358             } catch (IOException e) {
359                 e.printStackTrace();
360             }
361         }
362         if(tip.equals("dohvat_lista")) {
363             url_str = "http://"+ip+"/zavrsnirad/dohvat.php";
364             String id = parametar[1];
365             try {
366                 url = new URL(url_str);
367                 httpURLKonekcija = (HttpURLConnection)url.openConnection();
368                 httpURLKonekcija.setRequestMethod("POST");
369                 httpURLKonekcija.setDoOutput(true);
370                 httpURLKonekcija.setDoInput(true);
371                 izlazniStream = httpURLKonekcija.getOutputStream();
372                 bufferPisac = new BufferedWriter(new
    OutputStreamWriter(izlazniStream, "UTF-8"));
373                 post_data = URLEncoder.encode("tip","UTF-
    8")+"="+URLEncoder.encode(tip,"UTF-8")+
374                         "&"+URLEncoder.encode("id","UTF-
    8")+"="+URLEncoder.encode(id,"UTF-8");
375                 bufferPisac.write(post_data);
376                 bufferPisac.flush();
377                 bufferPisac.close();
378                 izlazniStream.close();
379                 ulazniStream = httpURLKonekcija.getInputStream();
380                 bufferCitac = new BufferedReader(new
    InputStreamReader(ulazniStream,"UTF-8"));
381                 rezultat = "";
382                 linija = "";
383                 while((linija = bufferCitac.readLine())!= null) {
384                     rezultat += linija;
385                 }
386                 bufferCitac.close();
387                 ulazniStream.close();
388                 httpURLKonekcija.disconnect();
389                 return rezultat;
390             } catch (MalformedURLException e) {
391                 e.printStackTrace();
392             } catch (IOException e) {
393                 e.printStackTrace();
394             }
395         }
396         if(tip.equals("dohvat_slika")) {
397             url_str = "http://"+ip+"/zavrsnirad/dohvat.php";
398             String id = parametar[1];
399             try {
400                 url = new URL(url_str);
401                 httpURLKonekcija = (HttpURLConnection)url.openConnection();
```

```
402                 httpURLKonekcija.setRequestMethod("POST");
403                 httpURLKonekcija.setDoOutput(true);
404                 httpURLKonekcija.setDoInput(true);
405                 izlazniStream = httpURLKonekcija.getOutputStream();
406                 bufferPisac = new BufferedWriter(new
    OutputStreamWriter(izlazniStream, "UTF-8"));
407                 post_data = URLEncoder.encode("tip","UTF-
    8")+"="+URLEncoder.encode(tip,"UTF-8")+
408                         "&"+URLEncoder.encode("id","UTF-
    8")+"="+URLEncoder.encode(id,"UTF-8");
409                 bufferPisac.write(post_data);
410                 bufferPisac.flush();
411                 bufferPisac.close();
412                 izlazniStream.close();
413                 ulazniStream = httpURLKonekcija.getInputStream();
414                 bufferCitac = new BufferedReader(new
    InputStreamReader(ulazniStream,"UTF-8"));
415                 rezultat = "";
416                 linija = "";
417                 while((linija = bufferCitac.readLine())!= null) {
418                     rezultat += linija;
419                 }
420                 bufferCitac.close();
421                 ulazniStream.close();
422                 httpURLKonekcija.disconnect();
423                 return rezultat;
424             } catch (MalformedURLException e) {
425                 e.printStackTrace();
426             } catch (IOException e) {
427                 e.printStackTrace();
428             }
429         }
430         return null;
431     }
432     @Override
433     protected void onPreExecute() {    }
434     @Override
435     protected void onPostExecute(String rezultat) {
436         if(tip.equals("login")) {
437             String[] podaci = new String[0];
438             String split[] = rezultat.split("//");
439             if (split[0].equals("uspjesno_login")) {
440                 JSONArray jsonArray = null;
441                 try {
442                     jsonArray = new JSONArray(split[1]);
443                     podaci = new String[jsonArray.length()];
444                     for (int i = 0; i < jsonArray.length(); i++) {
445                         podaci[i] = jsonArray.getString(i);
446                     }
447                 } catch (JSONException e) {
448                     e.printStackTrace();
449                 }
450                 ((Varijable)
    kontekst.getApplicationContext()).setVar_user(Integer.parseInt
451                         (podaci[0]));
452                 ((Varijable)
    kontekst.getApplicationContext()).setVar_oib(podaci[1]);
453                 ((Varijable)
    kontekst.getApplicationContext()).setVar_ime(podaci[2]);
454                 ((Varijable)
    kontekst.getApplicationContext()).setVar_prezime(podaci[3]);
455                 ((Varijable)
    kontekst.getApplicationContext()).setVar_korisnicko_ime(podaci[4]);
456                 ((Varijable)
    kontekst.getApplicationContext()).setVar_lozinka(podaci[5]);
457                 ((Varijable) kontekst.getApplicationContext()).setVar_log("ne");
458                 Toast.makeText(kontekst, "Prijavljeni ste!",
    Toast.LENGTH_LONG).show();
459                 ((Login_Activity) kontekst).prijavljeno_set();
460             }
```

```
461             if (rezultat.equals("neuspjesno_login")){
462                 Toast.makeText(kontekst, "Prijava nije uspjela!",
    Toast.LENGTH_LONG).show();
463             }
464         }
465         if(tip.equals("reg")){
466             if (rezultat.equals("uspjesno_reg")) {
467                 Toast.makeText(kontekst, "Registracija je uspjela, možete se
    prijaviti.",
468                         Toast.LENGTH_LONG).show();
469                 ((Registracija_Activity) kontekst).registrirano();
470             }
471             if (rezultat.equals("neuspjesno_reg")){
472                 Toast.makeText(kontekst, "Registracija nije uspjela!",
    Toast.LENGTH_LONG)
473             .show();
474             }
475         }
476         if(tip.equals("promjena")) {
477             String[] podaci = new String[0];
478             String split[] = rezultat.split("//");
479             if (split[0].equals("uspjesno_promjena")) {
480                 JSONArray jsonArray = null;
481                 try {
482                     jsonArray = new JSONArray(split[1]);
483                     podaci = new String[jsonArray.length()];
484                     for (int i = 0; i < jsonArray.length(); i++) {
485                         podaci[i] = jsonArray.getString(i);
486                     }
487                 } catch (JSONException e) {
488                     e.printStackTrace();
489                 }
490                 ((Varijable)
    kontekst.getApplicationContext()).setVar_user(Integer.parseInt
491                         (podaci[0]));
492                 ((Varijable)
    kontekst.getApplicationContext()).setVar_oib(podaci[1]);
493                 ((Varijable)
    kontekst.getApplicationContext()).setVar_ime(podaci[2]);
494                 ((Varijable)
    kontekst.getApplicationContext()).setVar_prezime(podaci[3]);
495                 ((Varijable)
    kontekst.getApplicationContext()).setVar_korisnicko_ime(podaci[4]);
496                 ((Varijable)
    kontekst.getApplicationContext()).setVar_lozinka(podaci[5]);
497                 ((Varijable) kontekst.getApplicationContext()).setVar_log("ne");
498                 Toast.makeText(kontekst, "Uspješno ste promjenili profil.",
    Toast.LENGTH_LONG)
499                         .show();
500             }
501             if (rezultat.equals("neuspjesno_promjena")){
502                 Toast.makeText(kontekst, "Izmjena profila nije uspjela!",
    Toast.LENGTH_LONG)
503                         .show();
504             }
505         }
506         if(tip.equals("brisanje")){
507             if (rezultat.equals("uspjesno_brisanje")) {
508                 Toast.makeText(kontekst, "Uspješno ste izbrisali profil.",
    Toast.LENGTH_LONG)
509                         .show();
510                 ((Postavke_Activity) kontekst).odjava();
511             }
512             if (rezultat.equals("neuspjesno_brisanje")){
513                 Toast.makeText(kontekst, "Brisanje profila nije uspjelo!",
    Toast.LENGTH_LONG).show();
514             }
515         }
516         if(tip.equals("prijava")){
517             String split[] = rezultat.split("//");
```

```
518             if (split[0].equals("uspjesno_prijava")) {
519                 if((((Varijable)
    kontekst.getApplicationContext()).getVar_anon()).equals("da")){
520                     ((Varijable)
    kontekst.getApplicationContext()).setVar_anon("ne");
521                 }
522                 Toast.makeText(kontekst, "Prijava je uspjela!",
    Toast.LENGTH_LONG).show();
523                 ((Prijava_Activity) kontekst).poslano();
524             }
525             if (rezultat.equals("neuspjesno_prijava")){
526                 Toast.makeText(kontekst, "Prijava nije uspjela!",
    Toast.LENGTH_LONG).show();
527             }
528             if(rezultat.equals("neuspjesno_slika")){
529                 Toast.makeText(kontekst, "Prijava nije uspjela, ne možemo poslati
    slike!", Toast.LENGTH_LONG).show();
530             }
531         }
532         if(tip.equals("dohvat_lista")){
533             String[] podaci1 = new String[0];
534             String split[] = rezultat.split("//");
535             if (split[0].equals("uspjesno_dohvat_lista")) {
536                 JSONArray jsonArray = null;
537                 Toast.makeText(kontekst, "Dohvaćena lista prijava.",
    Toast.LENGTH_LONG).show();
538                 try {
539                     jsonArray = new JSONArray(split[1]);
540                     podaci1 = new String[jsonArray.length()];
541                     for (int i = 0; i < jsonArray.length(); i++) {
542                         podaci1[i] = jsonArray.getString(i);
543                     }
544                 } catch (JSONException e) {
545                     e.printStackTrace();
546                 }
547                 for(int i = 0; i < podaci1.length; i++){
548                     ((PovPrijava_Activity) kontekst).obradaPodaci(podaci1[i]);
549                     if((podaci1.length-1)==i){
550                         ((PovPrijava_Activity) kontekst).postavljanje();
551                     }
552                 }
553             }
554             if (split[0].equals("neuspjesno_dohvat_lista")){
555                 Toast.makeText(kontekst, "Neuspješno dohvaćena lista prijava!!!",
    Toast.LENGTH_LONG).show();
556             }
557         }
558         if(tip.equals("dohvat_slika")){
559             String[] podaci1 = new String[0];
560             String split[] = rezultat.split("//");
561             if (split[0].equals("uspjesno_dohvat_slika")) {
562                 JSONArray jsonArray = null;
563                 Toast.makeText(kontekst, "Dohvaćene slike prijave.",
    Toast.LENGTH_LONG).show();
564                 try {
565                     jsonArray = new JSONArray(split[1]);
566                     podaci1 = new String[jsonArray.length()];
567                     for (int i = 0; i < jsonArray.length(); i++) {
568                         podaci1[i] = jsonArray.getString(i);
569                     }
570                 } catch (JSONException e) {
571                     e.printStackTrace();
572                 }
573                 for(int i = 0; i < podaci1.length; i++){
574                     ((PovPrijava_Activity) kontekst).obradaSlike(podaci1[i]);
575                     if((podaci1.length-1)==i){
576                         ((PovPrijava_Activity) kontekst).spremanjeSlika();
577                     }
578                 }
579             }
```

```
580             if (split[0].equals("neuspjesno_dohvat_slika")){
581                 Toast.makeText(kontekst, "Neuspješno dohvaćene slike prijave!!!",
    Toast.LENGTH_LONG).show();
582             }
583         }
584     }
585     @Override
586     protected void onProgressUpdate(Integer... values) {
    super.onProgressUpdate(values); }
587 }
```

Lokacije_Glavna_Activity.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import android.Manifest;
3   import android.annotation.SuppressLint;
4   import android.content.Context;
5   import android.content.Intent;
6   import android.content.SharedPreferences;
7   import android.content.pm.PackageManager;
8   import android.database.Cursor;
9   import android.graphics.Color;
10  import android.location.Location;
11  import android.location.LocationListener;
12  import android.location.LocationManager;
13  import android.os.Bundle;
14  import androidx.appcompat.app.AppCompatActivity;
15  import androidx.core.app.ActivityCompat;
16  import android.view.View;
17  import android.view.Menu;
18  import android.view.MenuItem;
19  import android.widget.TextView;
20  import android.widget.Toast;
21  import com.google.android.gms.maps.CameraUpdateFactory;
22  import com.google.android.gms.maps.GoogleMap;
23  import com.google.android.gms.maps.MapFragment;
24  import com.google.android.gms.maps.OnMapReadyCallback;
25  import com.google.android.gms.maps.model.BitmapDescriptorFactory;
26  import com.google.android.gms.maps.model.LatLng;
27  import com.google.android.gms.maps.model.LatLngBounds;
28  import com.google.android.gms.maps.model.MarkerOptions;
29  import com.google.android.gms.maps.model.PolylineOptions;
30  import java.text.SimpleDateFormat;
31  import java.util.ArrayList;
32  import java.util.Date;
33  public class Lokacije_Glavna_Activity extends AppCompatActivity implements
    OnMapReadyCallback {
34      public TextView lat_tv;
35      public TextView long_tv;
36      public TextView vis_tv;
37      double lat = 0;
38      double lon = 0;
39      double vis = 0;
40      String lat_pr = "";
41      String lon_pr = "";
42      String vis_pr = "";
43      float acc = 0;
44      float bear = 0;
45      String prov = "";
46      float speed = 0;
47      long fix_time = 0;
48      long fix_pass_time = 0;
49      boolean zas1 = false;
50      boolean zas2 = false;
51      boolean zas3 = false;
52      boolean zas4 = false;
53      boolean zast1 = false;
54      public GoogleMap mMap;
55      int lok_up = 0;
56      String lat_lon = "";
57      String vrijeme = "";
```

```
58      String vrijeme_sprem = "";
59      String def = " ??? ";
60      static MojaBP mojaBP;
61      @SuppressLint("MissingPermission")
62      @Override
63      protected void onCreate(Bundle savedInstanceState) {
64          super.onCreate(savedInstanceState);
65          setContentView(R.layout.activity_lokacije__glavna_);
66          lat_tv = (TextView) findViewById(R.id.lattextView);
67          long_tv = (TextView) findViewById(R.id.lontextView);
68          vis_tv = (TextView) findViewById(R.id.visinatextView);
69          lat_tv.setText(def);
70          long_tv.setText(def);
71          vis_tv.setText(def);
72          mojaBP = new MojaBP(this);
73          MapFragment mapFragment = (MapFragment)
    getFragmentManager().findFragmentById(R.id.map1);
74          mapFragment.getMapAsync(this);
75          LocationManager lm = (LocationManager)
    this.getSystemService(Context.LOCATION_SERVICE);
76          LocationListener ll = new LocationListener() {
77              public void onLocationChanged(Location loc) {
78                  if (zas1 == true) {
79                      lat_tv.setText(String.valueOf(loc.convert(loc.getLatitude(),
    loc.FORMAT_SECONDS)));
80                      long_tv.setText(String.valueOf(loc.convert(loc.getLongitude(),
    loc.FORMAT_SECONDS)));
81                      vis_tv.setText(String.valueOf(loc.getAltitude()));
82                      lat = Double.valueOf(loc.getLatitude());
83                      lon = Double.valueOf(loc.getLongitude());
84                      vis = Double.valueOf(loc.getAltitude());
85                      lat_pr = String.valueOf(loc.convert(loc.getLatitude(),
    loc.FORMAT_SECONDS));
86                      lon_pr = String.valueOf(loc.convert(loc.getLongitude(),
    loc.FORMAT_SECONDS));
87                      vis_pr = String.valueOf(loc.getAltitude());
88                      acc = loc.getAccuracy();
89                      bear = loc.getBearing();
90                      prov = loc.getProvider();
91                      speed = loc.getSpeed();
92                      fix_time = loc.getTime();
93                      fix_pass_time = loc.getElapsedRealtimeNanos();
94                      SharedPreferences sp =
    getSharedPreferences("SP_LOKACIJA_STVARI", MODE_PRIVATE);
95                      SharedPreferences.Editor sped = sp.edit();
96                      sped.putString("lat", String.valueOf(lat));
97                      sped.putString("lon", String.valueOf(lon));
98                      sped.putString("vis", String.valueOf(vis));
99                      sped.putString("acc", String.valueOf(acc));
100                     sped.putString("bear", String.valueOf(bear));
101                     sped.putString("prov", String.valueOf(prov));
102                     sped.putString("speed", String.valueOf(speed));
103                     sped.putString("fix_time", String.valueOf(fix_time));
104                     sped.putString("fix_pass_time", String.valueOf(fix_pass_time));
105                     sped.commit();
106                     LatLng moja_lokacija = new LatLng(lat, lon);
107                     mMap.clear();
108                     mMap.addMarker(new
    MarkerOptions().position(moja_lokacija).title("TRENUTNA LOKACIJA"));
109
    mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija, 19));
110                     zas4 = true;
111                     zas3 = true;
112                     if (zas2 == true) {
113                         snimanje();
114                     }
115                 } else {
116                     lat_tv.setText(" ??? ");
117                     long_tv.setText(" ??? ");
118                     vis_tv.setText(" ??? ");
```

```
119                     mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0,
    0), 1));
120                     zas4 = false;
121                 }
122             }
123             public void onStatusChanged(String provider, int status, Bundle extras)
    {             }
124             public void onProviderEnabled(String provider) {             }
125             public void onProviderDisabled(String provider) {             }
126         };
127         if (ActivityCompat.checkSelfPermission(this,
128                 Manifest.permission.ACCESS_FINE_LOCATION)
129                 != PackageManager.PERMISSION_GRANTED
130                 && ActivityCompat.checkSelfPermission(this,
131                 Manifest.permission.ACCESS_COARSE_LOCATION)
132                 != PackageManager.PERMISSION_GRANTED) {
133             return;
134         }
135         lm.requestLocationUpdates(LocationManager.GPS_PROVIDER, 100, 0, ll);
136     }
137     @Override
138     public void onMapReady(GoogleMap googleMap) {
139         mMap = googleMap;
140         postaviKartu();
141     }
142     void postaviKartu() {
143         mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
144     }
145     public void klikSnimaj(View v) {
146         if (zas1 == false && zas4 == false) {
147             Toast.makeText(getApplicationContext(), "NE MOŽETE PRATITI NEMATE
    LOKACIJU!",
148                     Toast.LENGTH_SHORT).show();
149         } else {
150             Toast.makeText(getApplicationContext(), "PRATIM KRETANJE",
    Toast.LENGTH_SHORT)
151                     .show();
152             SharedPreferences sp = getSharedPreferences("SPREMANJE_kretanje:",
    MODE_PRIVATE);
153             SharedPreferences.Editor sped = sp.edit();
154             sp.edit().clear().commit();
155             sped.commit();
156             lok_up = 1;
157             zas2 = true;
158             if (lat != 0 || lon != 0) {
159                 snimanje();
160             }
161         }
162     }
163     public void klikLociraj(View v) {
164         if (zast1 == true) {
165             zas1 = false;
166             Toast.makeText(getApplicationContext(), "NE TRAŽIM LOKACIJU",
    Toast.LENGTH_SHORT)
167                     .show();
168             lat_tv.setText(def);
169             long_tv.setText(def);
170             vis_tv.setText(def);
171             mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0),
    1));
172             mMap.clear();
173             zast1 = false;
174         } else {
175             Toast.makeText(getApplicationContext(), "TRAŽIM LOKACIJU",
    Toast.LENGTH_SHORT)
176                     .show();
177             zast1 = true;
178             zas1 = true;
179             if(lat != 0 && lon != 0 && zas3 == false){
180                 LatLng moja_lokacija = new LatLng(lat, lon);
```

```
181                 mMap.clear();
182                 mMap.addMarker(new
    MarkerOptions().position(moja_lokacija).title("TRENUTNA LOKACIJA"));
183                 mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija,
    19));
184                 lat_tv.setText(lat_pr);
185                 long_tv.setText(lon_pr);
186                 vis_tv.setText(vis_pr);
187             }
188         }
189     }
190     public void klikStani(View v){
191         zas2=false;
192         Toast.makeText(getApplicationContext(), "PRESTAO SAM SNIMATI KRETANJE",
    Toast.LENGTH_SHORT).show();
193     }
194     public void klikPokazi_RUTU(View v) {
195         ArrayList<LatLng> koordList = new ArrayList<LatLng>();
196         String pom1 = "prazno";
197         LatLng moja_lokacija_zadnja = new LatLng(0, 0);
198         LatLng moja_lokacija_prva = new LatLng(0, 0);
199         mMap.clear();
200         SharedPreferences sp = getSharedPreferences("SPREMANJE_kretanje:",
    MODE_PRIVATE);
201         pom1 = sp.getString("lok_up", "prazno");
202         if (pom1 != "prazno") {
203             lok_up = Integer.parseInt(pom1);
204             LatLngBounds.Builder builder = new LatLngBounds.Builder();
205             for (int i = 1; i <= lok_up; i++) {
206                 lat_lon = sp.getString("lat_lon" + Integer.toString(i), "prazno");
207                 if (lat_lon != "prazno") {
208                     String racun[] = lat_lon.split("\\|");
209                     lat = Double.valueOf(racun[0]);
210                     lon = Double.valueOf(racun[1]);
211                     koordList.add(new LatLng(lat, lon));
212                     builder.include(new LatLng(lat, lon));
213                     if(i==lok_up){ moja_lokacija_zadnja = new LatLng(lat, lon); }
214                     if(i==1){ moja_lokacija_prva = new LatLng(lat, lon); }
215                 }
216             }
217             LatLngBounds podrZoma = builder.build();
218             mMap.clear();
219             mMap.addMarker(new MarkerOptions().position(moja_lokacija_zadnja)
220                     .title("ZADNJA LOKACIJA").icon
221
    (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_RED)));
222             mMap.addMarker(new MarkerOptions().position(moja_lokacija_prva)
223                     .title("PRVA LOKACIJA").icon
224
    (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_AZURE)));
225             PolylineOptions polylineOptions = new
    PolylineOptions().width(5).color(Color.RED);
226             polylineOptions.addAll(koordList);
227             mMap.addPolyline(polylineOptions);
228             mMap.moveCamera(CameraUpdateFactory.newLatLngBounds(podrZoma, 50));
229         }else{Toast.makeText(getApplicationContext(), "NEMATE RUTU",
    Toast.LENGTH_SHORT).show();}
230     }
231     public void klikSpremiSnimano1(View view){
232         String pom3 = "";
233         Integer id_rut = 0;
234         Integer id_lok_rut = 0;
235         vrijeme = new SimpleDateFormat("dd.MM.yyyy. HH:mm:ss").format(new Date());
236         SharedPreferences sp1 = getSharedPreferences("SPREMANJE_kretanje:",
    MODE_PRIVATE);
237         pom3 = sp1.getString("lok_up", "prazno");
238         if (pom3 != "prazno"){
239             Cursor max_id_RUT = mojaBP.max_id_rut();
240             Cursor max_id_RUT_LOK = mojaBP.max_id_rut_lok();
241             max_id_RUT.moveToPosition(0);
```

```
242             max_id_RUT_LOK.moveToPosition(0);
243             Integer max_id_rut = max_id_RUT.getInt(0);
244             Integer max_id_rut_lok = max_id_RUT_LOK.getInt(0);
245             if(max_id_rut == 0){ id_rut=1; }else{id_rut = max_id_rut + 1;}
246             if(max_id_rut_lok == 0){ id_lok_rut=1; }else{id_lok_rut =
    max_id_rut_lok + 1;}
247             for (int i = 1; i <= Integer.valueOf(pom3); i++){
248                 lat_lon = sp1.getString("lat_lon" + Integer.toString(i), "prazno");
249                 id_lok_rut=i;
250                 boolean snimljeno_RUT = mojaBP.spremiPodatke_RUT(lat_lon, vrijeme,
251                         id_lok_rut, id_rut);
252                 if(snimljeno_RUT != true){
253                     Toast.makeText(getApplicationContext(),
254                             "ERROR: NISTE SPREMILI PODATKE U BP",
    Toast.LENGTH_SHORT).show();
255                 }
256             }
257         }else{Toast.makeText(getApplicationContext(),
258                 "NEMATE RUTU ZA SPREMITI!", Toast.LENGTH_SHORT).show();}
259     }
260     void snimanje(){
261         SharedPreferences sp = getSharedPreferences("SPREMANJE_kretanje:",
    MODE_PRIVATE);
262         SharedPreferences.Editor sped = sp.edit();
263         sped.putString("lok_up",Integer.toString(lok_up));
264         lat_lon = String.valueOf(lat)+"|"+String.valueOf(lon);
265         sped.putString("lat_lon" + Integer.toString(lok_up),
    String.valueOf(lat_lon));
266         lok_up++;
267         sped.commit();
268     }
269     public void klikPokazSveSnimano(View v){
270         Intent inte= new Intent(Lokacije_Glavna_Activity.this,
    Lokacije_PovKret_Activity.class);
271         startActivity(inte);
272     }
273     public void klikLocirajPokaziSpr(View v){
274         Intent inte1= new Intent(Lokacije_Glavna_Activity.this,
    Lokacije_Pov_Activity.class);
275         startActivity(inte1);
276     }
277     public void klikLocirajSpremi(View v){
278         vrijeme_sprem = new SimpleDateFormat("dd.MM.yyyy. HH:mm:ss").format(new
    Date());
279         if(zas4 == true){
280             String lat_s = String.valueOf(lat);
281             String lon_s = String.valueOf(lon);
282             String vis_s = String.valueOf(vis);
283             String acc_s = String.valueOf(acc);
284             String bear_s = String.valueOf(bear);
285             String prov_s = String.valueOf(prov);
286             String speed_s = String.valueOf(speed);
287             String fix_time_s = String.valueOf(fix_time);
288             String fix_pass_time_s = String.valueOf(fix_pass_time);
289             String fix_time_s_f = new SimpleDateFormat("dd.MM.yyyy. HH:mm:ss")
290                     .format(fix_time);
291             boolean snimljeno = mojaBP.spremiPodatke_LOK(lat_s, lon_s, vis_s,
292                     vrijeme_sprem, acc_s, bear_s, prov_s,speed_s, fix_time_s,
    fix_time_s_f,
293                     fix_pass_time_s);
294             if(snimljeno != true){
295                 Toast.makeText(getApplicationContext(), "ERROR: NISTE SPREMILI
    PODATKE U BP",
296                         Toast.LENGTH_SHORT).show();
297             }
298         }
299         else{
300             lat_tv.setText(def);
301             long_tv.setText(def);
302             vis_tv.setText(def);
```

```
303         }
304     }
305     @Override
306     public boolean onCreateOptionsMenu(Menu menu) {
307         getMenuInflater().inflate(R.menu.menu_glavna__lokacije_, menu);
308         return true;}
309     @Override
310     public boolean onOptionsItemSelected(MenuItem item) {
311         int id = item.getItemId();
312         if (id == R.id.oprog) {
313             Intent inte= new Intent(Lokacije_Glavna_Activity.this,
    Oprog_Activity.class);
314             startActivity(inte);
315         }
316         if (id == R.id.pri || id == R.id.pri2) {
317             Intent inte= new Intent(Lokacije_Glavna_Activity.this,
    Login_Activity.class);
318             startActivity(inte);
319             finish();
320         }
321         return super.onOptionsItemSelected(item);
322     }
323 }
```

Lokacije_Pov_Activity.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import android.app.AlertDialog;
3   import android.content.DialogInterface;
4   import android.content.Intent;
5   import android.content.SharedPreferences;
6   import android.database.Cursor;
7   import android.os.Bundle;
8   import androidx.appcompat.app.AppCompatActivity;
9   import androidx.appcompat.widget.Toolbar;
10  import android.view.Menu;
11  import android.view.MenuItem;
12  import android.view.View;
13  import android.widget.AdapterView;
14  import android.widget.ArrayAdapter;
15  import android.widget.ListView;
16  import android.widget.Toast;
17  import com.google.android.gms.maps.CameraUpdateFactory;
18  import com.google.android.gms.maps.GoogleMap;
19  import com.google.android.gms.maps.MapFragment;
20  import com.google.android.gms.maps.OnMapReadyCallback;
21  import com.google.android.gms.maps.model.LatLng;
22  import com.google.android.gms.maps.model.MarkerOptions;
23  import java.util.ArrayList;
24
25  public class Lokacije_Pov_Activity extends AppCompatActivity implements
    OnMapReadyCallback {
26      public GoogleMap mMap;
27      String broj_spremanja_str = "0";
28      String del_id = "";
29      int broj_spremanja = 0;
30      ListView popisLV1;
31      ArrayList<String> mojiPodaci1;
32      ArrayAdapter<String> mojAdapterLok2;
33      boolean zast=false;
34      static MojaBP mojaBP;
35      private static Lokacije_Pov_Activity sLokacije_Pov_Activity;
36      boolean zas_b = false;
37      @Override
38      protected void onCreate(Bundle savedInstanceState) {
39          super.onCreate(savedInstanceState);
40          setContentView(R.layout.activity_lokacije__pov_);
41          Toolbar toolbar3 = (Toolbar) findViewById(R.id.toolbar3);
42          setSupportActionBar(toolbar3);
43          mojaBP = new MojaBP(this);
44          popisLV1 = (ListView) findViewById(R.id.listView_lokacije);
```

```
45          mojiPodaci1 = new ArrayList<String>();
46          mojAdapterLok2 = new MojAdapterLok2(this,
    R.layout.moj_layout_lokacije_pov2,
47                  mojiPodaci1);
48          popisLV1.setAdapter(mojAdapterLok2);
49          MapFragment mapFragment = (MapFragment)
    getFragmentManager().findFragmentById(R.id.map3);
50          mapFragment.getMapAsync(this);
51          sLokacije_Pov_Activity = this;
52          popisLV1.setOnItemClickListener(new AdapterView.OnItemClickListener() {
53              @Override
54              public void onItemClick(AdapterView<?> parent, View view, int position,
    long id) {
55                  broj_spremanja_str =
    String.valueOf(parent.getItemIdAtPosition(position));
56                  broj_spremanja = Integer.parseInt(broj_spremanja_str);
57                  pokazi2();
58              }
59          });
60          popisLV1.setOnItemLongClickListener(new
    AdapterView.OnItemLongClickListener() {
61              @Override
62              public boolean onItemLongClick(AdapterView<?> parent, View view, int
    position, long id){
63                  broj_spremanja_str =
    String.valueOf(parent.getItemIdAtPosition(position));
64                  broj_spremanja = Integer.parseInt(broj_spremanja_str);
65                  final ArrayList<String> mojePolje=new ArrayList<String>();
66                  mojePolje.add("POSTAVI KAO METU 1");
67                  mojePolje.add("POSTAVI KAO METU 2");
68                  mojePolje.add("IZBRIŠI");
69                  CharSequence[] tmp;
70                  tmp = mojePolje.toArray(new CharSequence[mojePolje.size()]);
71                  AlertDialog.Builder builder1=new
    AlertDialog.Builder(Lokacije_Pov_Activity.this);
72                  builder1.setTitle("Izbor");
73                  builder1.setItems(tmp, new DialogInterface.OnClickListener() {
74                      @Override
75                      public void onClick(DialogInterface dialog, int which) {
76                          if(mojePolje.get(which)=="IZBRIŠI"){ obrisiPritisnuto(); }
77                          if(mojePolje.get(which)=="POSTAVI KAO METU 1"){ sp_tar1();
    }
78                          if(mojePolje.get(which)=="POSTAVI KAO METU 2"){ sp_tar2();
    }
79                      }
80                  });
81                  builder1.setCancelable(false);
82                  builder1.setPositiveButton("Zatvori", null);
83                  AlertDialog alert = builder1.create();
84                  builder1.show();
85                  return true;
86              }
87          });
88      }
89      @Override
90      public void onMapReady(GoogleMap googleMap) {
91          mMap = googleMap;
92          postaviKartu();
93      }
94      void postaviKartu (){
95          mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
96      }
97      @Override
98      protected void onStart() {
99          super.onStart();
100         pokazi1();
101         zast=false;
102     }
103     @Override
104     public boolean onCreateOptionsMenu(Menu menu) {
```

```
105         getMenuInflater().inflate(R.menu.menu_lokacije_pov, menu);
106         return true;
107     }
108     @Override
109     public boolean onOptionsItemSelected(MenuItem item) {
110         int id = item.getItemId();
111         if (id == R.id.oprog) {
112             Intent inte= new Intent(Lokacije_Pov_Activity.this,
    Oprog_Activity.class);
113             inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
114             startActivity(inte);
115             finish();
116         }
117         if (id == R.id.comp) {
118             SharedPreferences sp2 = getSharedPreferences("SP_USPOREDBA",
    MODE_PRIVATE);
119             String pom1 = sp2.getString("id1", "prazno");
120             String pom2 = sp2.getString("id2", "prazno");
121             if(pom1.equals("prazno") || pom2.equals("prazno")) {
122                 Toast.makeText(getApplicationContext(), "MORATE DODATI DVIJE
    METE!",
123                         Toast.LENGTH_SHORT).show();
124             }else{
125                 Intent inte = new Intent(Lokacije_Pov_Activity.this,
126                         Lokacije_comp.class);
127                 startActivity(inte);
128             }
129         }
130         if (id == R.id.lok || id == R.id.lok2) {
131             Intent inte= new Intent(Lokacije_Pov_Activity.this,
132                     Lokacije_Glavna_Activity.class);
133             inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
134             startActivity(inte);
135             finish();
136         }
137         if (id == R.id.pri || id == R.id.pri2) {
138             Intent inte= new Intent(Lokacije_Pov_Activity.this,
    Login_Activity.class);
139             startActivity(inte);
140             finish();
141         }
142         if (id == R.id.brisi_lok_pov) {
143             zas_b = true;
144             obrisiPritisnuto();
145         }
146         return super.onOptionsItemSelected(item);
147     }
148     public static Lokacije_Pov_Activity getInstance() { return
    sLokacije_Pov_Activity; }
149     public void pokazi1(){
150         Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
151         if (podaci_LOK.getCount() == 0) {
152             mojiPodaci1.clear();
153             mojAdapterLok2.notifyDataSetChanged();
154             if(zast==true){
155                 mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0),
    1));
156                 mMap.clear();
157             }
158             return;
159         }
160         mojiPodaci1.clear();
161         while (podaci_LOK.moveToNext()){
162             String pod = podaci_LOK.getString(0) + "*" +
163                     podaci_LOK.getString(1) + "&" +
164                     podaci_LOK.getString(2) + "?" + podaci_LOK.getString(10);
165             mojiPodaci1.add(pod);
166             mojAdapterLok2.notifyDataSetChanged();
167         }
168     }
```

```
169     public void pokazi2(){
170         Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
171         podaci_LOK.moveToPosition(broj_spremanja);
172         String lat = podaci_LOK.getString(1);
173         String lon = podaci_LOK.getString(2);
174         String vrijeme = podaci_LOK.getString(10);
175         LatLng moja_lokacija = new LatLng(Double.valueOf(lat),
    Double.valueOf(lon));
176         mMap .clear();
177         mMap.addMarker(new MarkerOptions().position(moja_lokacija).title("TRENUTNA
    LOKACIJA " +
178                 vrijeme));
179         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija, 19));
180     }
181     public void obrisiPritisnuto() {
182         AlertDialog.Builder builder=new AlertDialog.Builder(this);
183         builder.setTitle("Upozorenje").setMessage("Da li želite izbrisati?");
184         builder.setCancelable(false);
185         builder.setNegativeButton("NE", new DialogInterface.OnClickListener() {
186             @Override
187             public void onClick(DialogInterface dialog, int which) {
188                 klikNe();
189             }
190         });
191         builder.setPositiveButton("DA", new DialogInterface.OnClickListener() {
192             @Override
193             public void onClick(DialogInterface dialog, int which) {
194                 klikDa();
195             }
196         });
197         AlertDialog poruka=builder.create();
198         poruka.show();
199     }
200     public void klikNe(){ zas_b = false; }
201     public void klikDa(){
202         if(zas_b == false) {
203             Object item = popisLV1.getItemAtPosition(broj_spremanja);
204             String value = item.toString();
205             String split1[] = value.split("\\*");
206             del_id = split1[0];
207             Integer deleteRed = mojaBP.obrisiStavku_LOK(String.valueOf(del_id));
208             SharedPreferences sp2 = getSharedPreferences("SP_USPOREDBA",
    MODE_PRIVATE);
209             String pom1 = sp2.getString("id1", "prazno");
210             String pom2 = sp2.getString("id2", "prazno");
211             if(pom1.equals(del_id)){
212                 SharedPreferences.Editor sped2 = sp2.edit();
213                 sped2.putString("id1","prazno");
214                 sped2.commit();
215             }
216             if(pom2.equals(del_id)){
217                 SharedPreferences.Editor sped2 = sp2.edit();
218                 sped2.putString("id2","prazno");
219                 sped2.commit();
220             }
221         }
222         if(zas_b == true){
223             zas_b = false;
224             mojaBP.obrisiPodatke_LOK();
225             SharedPreferences sp = getSharedPreferences("SP_USPOREDBA",
    MODE_PRIVATE);
226             SharedPreferences.Editor sped = sp.edit();
227             sped.putString("id1","prazno");
228             sped.commit();
229             SharedPreferences sp1 = getSharedPreferences("SP_USPOREDBA",
    MODE_PRIVATE);
230             SharedPreferences.Editor sped1 = sp1.edit();
231             sped1.putString("id1","prazno");
232             sped1.commit();
233         }
```

```
234         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0), 1));
235         mMap.clear();
236         pokazi1();
237     }
238     public void sp_tar1(){
239         Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
240         podaci_LOK.moveToPosition(broj_spremanja);
241         String id1 = podaci_LOK.getString(0);
242         SharedPreferences sp = getSharedPreferences("SP_USPOREDBA", MODE_PRIVATE);
243         SharedPreferences.Editor sped = sp.edit();
244         sped.putString("id1",id1);
245         sped.commit();
246     }
247     public void sp_tar2(){
248         Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
249         podaci_LOK.moveToPosition(broj_spremanja);
250         String id2 = podaci_LOK.getString(0);
251         SharedPreferences sp1 = getSharedPreferences("SP_USPOREDBA", MODE_PRIVATE);
252         SharedPreferences.Editor sped1 = sp1.edit();
253         sped1.putString("id2",id2);
254         sped1.commit();
255     }
256 }
```

MojAdapterLok2.java

```
1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Context;
3  import android.location.Location;
4  import android.view.LayoutInflater;
5  import android.view.View;
6  import android.view.ViewGroup;
7  import android.widget.ArrayAdapter;
8  import android.widget.TextView;
9  import java.util.ArrayList;
10 public class MojAdapterLok2 extends ArrayAdapter<String> {
11     String id;
12     private ArrayList<String> podaci3;
13     public MojAdapterLok2 (Context context, int resource, ArrayList<String>
   podaci3) {
14         super(context, resource, podaci3);
15         this.podaci3 = podaci3;
16     }
17     @Override
18     public View getView(final int position, View convertView, ViewGroup parent) {
19         View view=convertView;
20         if (view == null) {
21             LayoutInflater inflater = (LayoutInflater)
22                     getContext().getSystemService(Context.LAYOUT_INFLATER_SERVICE);
23             view = inflater.inflate(R.layout.moj_layout_lokacije_pov2, null);
24         }
25         String podatak=this.podaci3.get(position);
26         String split1[] = podatak.split("\\?");
27         String vrijeme = split1[1];
28         String split2[] = split1[0].split("\\&");
29         String split3[] = split2[0].split("\\*");
30         Location location = new Location("");
31         location.setLatitude(Double.parseDouble(split3[1]));
32         location.setLongitude(Double.parseDouble(split2[1]));
33         String lat_pr =
   String.valueOf(location.convert(location.getLatitude(),location.FORMAT_SECONDS));
34         String lon_pr =
   String.valueOf(location.convert(location.getLongitude(),location.FORMAT_SECONDS));
35         TextView datumPrikaz_tv=(TextView)view.findViewById(R.id.datumPrikaz2);
36         datumPrikaz_tv.setText(vrijeme);
37         TextView lokPrikaz_tv=(TextView)view.findViewById(R.id.lokPrikaz);
38         lokPrikaz_tv.setText("Lat: "+lat_pr+"\n"+"Long: "+lon_pr);
39         return view;
40     }
41 }
```

Lokacije_comp.java

```
1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Intent;
3  import android.content.SharedPreferences;
4  import android.database.Cursor;
5  import android.graphics.Color;
6  import android.location.Location;
7  import android.os.Bundle;
8  import androidx.appcompat.widget.Toolbar;
9  import android.view.Menu;
10 import android.view.MenuItem;
11 import android.widget.ArrayAdapter;
12 import android.widget.ListView;
13 import androidx.appcompat.app.AppCompatActivity;
14 import com.google.android.gms.maps.CameraUpdateFactory;
15 import com.google.android.gms.maps.GoogleMap;
16 import com.google.android.gms.maps.MapFragment;
17 import com.google.android.gms.maps.OnMapReadyCallback;
18 import com.google.android.gms.maps.model.BitmapDescriptorFactory;
19 import com.google.android.gms.maps.model.LatLng;
20 import com.google.android.gms.maps.model.LatLngBounds;
21 import com.google.android.gms.maps.model.MarkerOptions;
22 import com.google.android.gms.maps.model.PolylineOptions;
23 import java.util.ArrayList;
24 public class Lokacije_comp extends AppCompatActivity implements OnMapReadyCallback
   {
25     public GoogleMap mMap;
26     String lat1_s = "****";
27     String lon1_s = "****";
28     String vis1_s = "****";
29     String acc1_s = "****";
30     String smj1_s = "****";
31     String izv1_s = "****";
32     String brz1_s = "****";
33     String vri1_s = "****";
34     String vri_f1_s = "****";
35     String star1_s = "****";
36     String lat2_s = "****";
37     String lon2_s = "****";
38     String vis2_s = "****";
39     String acc2_s = "****";
40     String smj2_s = "****";
41     String izv2_s = "****";
42     String brz2_s = "****";
43     String vri2_s = "****";
44     String vri_f2_s = "****";
45     String star2_s = "****";
46     String dist_s = "****";
47     String bear1_s = "****";
48     String bear2_s = "****";
49     String raz_vis_s ="****";
50     String id1_str = "****";
51     String id2_str = "****";
52     LatLng moja_lokacija1 = new LatLng(0, 0);
53     LatLng moja_lokacija2 = new LatLng(0, 0);
54     static MojaBP mojaBP;
55     ArrayList<String> podaci;
56     ArrayAdapter<String> adapter;
57     @Override
58     protected void onCreate(Bundle savedInstanceState) {
59         super.onCreate(savedInstanceState);
60         setContentView(R.layout.activity_lokacije_comp);
61         Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
62         setSupportActionBar(toolbar);
63         MapFragment mapFragment = (MapFragment)
   getFragmentManager().findFragmentById(R.id.map7);
64         mapFragment.getMapAsync(Lokacije_comp.this);
65         mojaBP = new MojaBP(this);
66         SharedPreferences sp = getSharedPreferences("SP_USPOREDBA", MODE_PRIVATE);
```

```
67          id1_str = sp.getString("id1", "prazno");
68          id2_str = sp.getString("id2", "prazno");
69          if(id1_str != "prazno"){
70          Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK_pojedino(id1_str);
71          podaci_LOK.moveToPosition(0);
72          lat1_s = podaci_LOK.getString(1);
73          lon1_s = podaci_LOK.getString(2);
74          vis1_s = podaci_LOK.getString(3);
75          acc1_s = podaci_LOK.getString(5);
76          smj1_s = podaci_LOK.getString(6);
77          izv1_s = podaci_LOK.getString(7);
78          brz1_s = podaci_LOK.getString(8);
79          vri1_s = podaci_LOK.getString(9);
80          vri_f1_s = podaci_LOK.getString(10);
81          star1_s = podaci_LOK.getString(11);
82          }
83          if(id2_str != "prazno"){
84          Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK_pojedino(id2_str);
85          podaci_LOK.moveToPosition(0);
86          lat2_s = podaci_LOK.getString(1);
87          lon2_s = podaci_LOK.getString(2);
88          vis2_s = podaci_LOK.getString(3);
89          acc2_s = podaci_LOK.getString(5);
90          smj2_s = podaci_LOK.getString(6);
91          izv2_s = podaci_LOK.getString(7);
92          brz2_s = podaci_LOK.getString(8);
93          vri2_s = podaci_LOK.getString(9);
94          vri_f2_s = podaci_LOK.getString(10);
95          star2_s = podaci_LOK.getString(11);
96          }
97          podaci=new ArrayList<String>();
98          adapter=new
    ArrayAdapter<String>(this,android.R.layout.simple_list_item_1,podaci);
99          ListView lv=(ListView) this.findViewById(R.id.listView_comp);
100         lv.setAdapter(adapter);
101     }
102     @Override
103     public void onMapReady(GoogleMap googleMap) {
104         mMap = googleMap;
105         postaviKartu();
106     }
107     void postaviKartu (){
108         mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
109         glavni();
110     }
111     @Override
112     public boolean onCreateOptionsMenu(Menu menu) {
113         getMenuInflater().inflate(R.menu.menu_glavna__lokacije_, menu);
114         return true;
115     }
116     @Override
117     public boolean onOptionsItemSelected(MenuItem item) {
118         int id = item.getItemId();
119         if (id == R.id.oprog) {
120             Intent inte= new Intent(Lokacije_comp.this, Oprog_Activity.class);
121             startActivity(inte);
122             finish();
123         }
124         if (id == R.id.lok || id == R.id.lok2) {
125             Intent inte= new Intent(Lokacije_comp.this,
    Lokacije_Glavna_Activity.class);
126             startActivity(inte);
127             finish();
128         }
129         if (id == R.id.pri || id == R.id.pri2) {
130             Intent inte= new Intent(Lokacije_comp.this, Login_Activity.class);
131             startActivity(inte);
132             finish();
133         }
134         return super.onOptionsItemSelected(item);
```

```
135     }
136     public void glavni(){
137         mMap.clear();
138         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0), 1));
139         mMap.clear();
140         if(id1_str != "prazno") {
141             moja_lokacija1 = new LatLng(Double.valueOf(lat1_s),
    Double.valueOf(lon1_s));
142             mMap.addMarker(new
    MarkerOptions().position(moja_lokacija1).title("LOKACIJA 1 " + vri_f1_s).icon
143
    (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_RED)));
144             mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija1, 19));
145         }
146         if(id2_str != "prazno"){
147             moja_lokacija2 = new LatLng(Double.valueOf(lat2_s),
    Double.valueOf(lon2_s));
148             mMap.addMarker(new
    MarkerOptions().position(moja_lokacija2).title("LOKACIJA 2 " + vri_f2_s).icon
149
    (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_AZURE)));
150             mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija2, 19));
151         }
152         if(id1_str != "prazno" && id2_str != "prazno"){
153             Location dest1 = new Location("Dest1");
154             dest1.setLatitude(Double.valueOf(lat1_s));
155             dest1.setLongitude(Double.valueOf(lon1_s));
156             dest1.setAltitude(Double.valueOf(vis1_s));
157             Location dest2 = new Location("Dest2");
158             dest2.setLatitude(Double.valueOf(lat2_s));
159             dest2.setLongitude(Double.valueOf(lon2_s));
160             dest2.setAltitude(Double.valueOf(vis2_s));
161             double vis1 = Double.valueOf(vis1_s);
162             double vis2 = Double.valueOf(vis2_s);
163             double bear1 = dest1.bearingTo(dest2);
164             double bear2 = dest2.bearingTo(dest1);
165             float dist = dest1.distanceTo(dest2);
166             if(bear1 < 0){bear1 = bear1 +360;}
167             if(bear2 < 0){bear2 = bear2 +360;}
168             if(vis1 > vis2){raz_vis_s=String.valueOf(vis1-vis2);}
169             if(vis2 > vis1){raz_vis_s=String.valueOf(vis2-vis1);}
170             dist_s = String.valueOf(dist);
171             bear1_s = String.valueOf(bear1);
172             bear2_s = String.valueOf(bear2);
173             LatLngBounds podrZoma = new
    LatLngBounds.Builder().include(moja_lokacija1).include(moja_lokacija2).build();
174             mMap.moveCamera(CameraUpdateFactory.newLatLngBounds(podrZoma, 50));
175             PolylineOptions polylineOptions = new
    PolylineOptions().width(5).color(Color.RED);
176             polylineOptions.add(moja_lokacija1).add(moja_lokacija2);
177             mMap.addPolyline(polylineOptions);
178         }
179         Location location1 = new Location("");
180         location1.setLatitude(Double.parseDouble(lat1_s));
181         location1.setLongitude(Double.parseDouble(lon1_s));
182         Location location2 = new Location("");
183         location2.setLatitude(Double.parseDouble(lat2_s));
184         location2.setLongitude(Double.parseDouble(lon2_s));
185         podaci.add("LOKACIJA 1");
186         podaci.add("LATITUDA: " +
    String.valueOf(location1.convert(location1.getLatitude(),location1.FORMAT_SECONDS))
    );
187         podaci.add("LONGITUDA: " +
    String.valueOf(location1.convert(location1.getLongitude(),location1.FORMAT_SECONDS)
    ));
188         podaci.add("VISINA: " + vis1_s + " m");
189         podaci.add("PRECIZNOST LOKACIJE: " + acc1_s + " m");
190         podaci.add("AZIMUT: " + smj1_s + "°");
191         podaci.add("IZVOR LOKACIJE: " + izv1_s);
192         podaci.add("BRZINA: " + brz1_s + " m/s");
```

```
193         podaci.add("VRIJEME OSTVARIVANJA LOKACIJE: " + vri_f1_s);
194         podaci.add("LOKACIJA 2");
195         podaci.add("LATITUDA: " +
    String.valueOf(location2.convert(location2.getLatitude(),location2.FORMAT_SECONDS))
    );
196         podaci.add("LONGITUDA: " +
    String.valueOf(location2.convert(location2.getLongitude(),location2.FORMAT_SECONDS)
    ));
197         podaci.add("VISINA: "+vis2_s + " m");
198         podaci.add("PRECIZNOST LOKACIJE: "+acc2_s + " m");
199         podaci.add("AZIMUT: "+smj2_s + "°");
200         podaci.add("IZVOR LOKACIJE: "+izv2_s);
201         podaci.add("BRZINA: " + brz2_s + " m/s");
202         podaci.add("VRIJEME OSTVARIVANJA LOKACIJE: " + vri_f2_s);
203         podaci.add("ODNOS DVIJE LOKACIJE");
204         podaci.add("AZIMUT 1. METE U ODNOSU NA 2. JE: " + bear1_s + "°");
205         podaci.add("AZIMUT 2. METE U ODNOSU NA 1. JE: " + bear2_s + "°");
206         podaci.add("UDALJENOST IZMEĐU LOKACIJA JE: " + dist_s + " m");
207         podaci.add("VISINSKA RAZLIKA LOKACIJA JE: " + raz_vis_s + " m");
208         adapter.notifyDataSetChanged();
209     }
210 }
```

Lokacije_PovKret_Activity.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import android.app.AlertDialog;
3   import android.content.DialogInterface;
4   import android.content.Intent;
5   import android.database.Cursor;
6   import android.graphics.Color;
7   import android.os.Bundle;
8   import androidx.appcompat.app.AppCompatActivity;
9   import androidx.appcompat.widget.Toolbar;
10  import android.view.Menu;
11  import android.view.MenuItem;
12  import android.view.View;
13  import android.widget.AdapterView;
14  import android.widget.ArrayAdapter;
15  import android.widget.ListView;
16  import com.google.android.gms.maps.CameraUpdateFactory;
17  import com.google.android.gms.maps.GoogleMap;
18  import com.google.android.gms.maps.MapFragment;
19  import com.google.android.gms.maps.OnMapReadyCallback;
20  import com.google.android.gms.maps.model.BitmapDescriptorFactory;
21  import com.google.android.gms.maps.model.LatLng;
22  import com.google.android.gms.maps.model.LatLngBounds;
23  import com.google.android.gms.maps.model.MarkerOptions;
24  import com.google.android.gms.maps.model.PolylineOptions;
25  import java.util.ArrayList;
26  public class Lokacije_PovKret_Activity extends AppCompatActivity implements
    OnMapReadyCallback{
27      boolean zas_b = false;
28      public GoogleMap mMap;
29      double lat = 0;
30      double lon = 0;
31      String broj_spremanja_str = "0";
32      String del_id = "";
33      String sh_id = "";
34      int broj_spremanja = 0;
35      boolean zas1 = false;
36      ListView popisLV_lok;
37      ArrayList<String> mojiPodaci;
38      ArrayAdapter<String> mojAdapterLok1;
39      static MojaBP mojaBP;
40      @Override
41      protected void onCreate(Bundle savedInstanceState) {
42          super.onCreate(savedInstanceState);
43          setContentView(R.layout.activity_lokacije__pov_kret_);
44          Toolbar toolbar2 = (Toolbar) findViewById(R.id.toolbar2);
45          setSupportActionBar(toolbar2);
```

```
46          popisLV_lok = (ListView) findViewById(R.id.listView2);
47          mojaBP = new MojaBP(this);
48          mojiPodaci = new ArrayList<String>();
49          mojAdapterLok1 = new MojAdapterLok1(this,
    R.layout.moj_layout_lokacije_pov1, mojiPodaci);
50          popisLV_lok.setAdapter(mojAdapterLok1);
51          MapFragment mapFragment = (MapFragment)
    getFragmentManager().findFragmentById(R.id.map2);
52          mapFragment.getMapAsync(this);
53          popisLV_lok.setOnItemClickListener(new AdapterView.OnItemClickListener() {
54              @Override
55              public void onItemClick(AdapterView<?> parent, View view, int position,
    long id) {
56                  broj_spremanja_str =
    String.valueOf(parent.getItemIdAtPosition(position));
57                  broj_spremanja = Integer.parseInt(broj_spremanja_str) + 1;
58                  pokazi2();
59              }
60          });
61          popisLV_lok.setOnItemLongClickListener(new
    AdapterView.OnItemLongClickListener() {
62              @Override
63              public boolean onItemLongClick(AdapterView<?> parent, View view, int
    position, long id) {
64                  broj_spremanja_str =
    String.valueOf(parent.getItemIdAtPosition(position));
65                  broj_spremanja = Integer.parseInt(broj_spremanja_str) + 1;
66                  final ArrayList<String> mojePolje = new ArrayList<String>();
67                  mojePolje.add("IZBRIŠI");
68                  CharSequence[] tmp;
69                  tmp = mojePolje.toArray(new CharSequence[mojePolje.size()]);
70                  AlertDialog.Builder builder1 = new
    AlertDialog.Builder(Lokacije_PovKret_Activity.this);
71                  builder1.setTitle("Izbor");
72                  builder1.setItems(tmp, new DialogInterface.OnClickListener() {
73                      @Override
74                      public void onClick(DialogInterface dialog, int which) {
75                          if (mojePolje.get(which) == "IZBRIŠI") {
76                              obrisiPritisnuto();
77                          }
78                      }
79                  });
80                  builder1.setCancelable(false);
81                  builder1.setPositiveButton("Zatvori", null);
82                  AlertDialog alert = builder1.create();
83                  builder1.show();
84                  return true;
85              }
86          });
87      }
88      @Override
89      public void onMapReady(GoogleMap googleMap) {
90          mMap = googleMap;
91          postaviKartu();
92      }
93      void postaviKartu (){
94          mMap.setMapType(GoogleMap.MAP_TYPE_TERRAIN);
95      }
96      @Override
97      protected void onStart() {
98          super.onStart();
99          pokazi1();
100         zas1 = true;
101     }
102     public void pokazi1(){
103         Cursor podaci_RUT = mojaBP.dohvatiPodatke_RUT_list();
104         if (podaci_RUT.getCount() == 0) {
105             mojiPodaci.clear();
106             mojAdapterLok1.notifyDataSetChanged();
107             if(zas1==true){
```

```
108                 mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0),
    1));
109                 mMap.clear();
110             }
111             return;
112         }
113         mojiPodaci.clear();
114         while (podaci_RUT.moveToNext()){
115             String pod_rut = podaci_RUT.getString(1)+"?"+podaci_RUT.getString(0);
116             mojiPodaci.add(pod_rut);
117             mojAdapterLok1.notifyDataSetChanged();
118         }
119     }
120     public void pokazi2(){
121         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0), 1));
122         mMap.clear();
123         ArrayList<LatLng> koordList = new ArrayList<LatLng>();
124         LatLng moja_lokacija_zadnja = new LatLng(0, 0);
125         LatLng moja_lokacija_prva = new LatLng(0, 0);
126         Object item = popisLV_lok.getItemAtPosition(broj_spremanja - 1);
127         String value = item.toString();
128         String split1[] = value.split("\\?");
129         sh_id = split1[0];
130         Cursor max_id_RUT_LOK2 = mojaBP.max_id_rut_LOK2(sh_id);
131         max_id_RUT_LOK2.moveToPosition(0);
132         Integer max_id_rut_lok2 = max_id_RUT_LOK2.getInt(0);
133         Cursor podaci_RUT;
134         LatLngBounds.Builder builder = new LatLngBounds.Builder();
135         for(int i=1; i<=max_id_rut_lok2; i++){
136             podaci_RUT =
    mojaBP.dohvatiPodatke_RUT_pojedino(sh_id,String.valueOf(i));
137             podaci_RUT.moveToPosition(0);
138             String ko = podaci_RUT.getString(3);
139             String racun[] = ko.split("\\|");
140             lat = Double.valueOf(racun[0]);
141             lon = Double.valueOf(racun[1]);
142             koordList.add(new LatLng(lat, lon));
143             builder.include(new LatLng(lat, lon));
144             if(i==max_id_rut_lok2){ moja_lokacija_zadnja = new LatLng(lat, lon); }
145             if(i==1){ moja_lokacija_prva = new LatLng(lat, lon); }
146         }
147         mMap.addMarker(new
    MarkerOptions().position(moja_lokacija_zadnja).title("ZADNJA LOKACIJA").icon
148
    (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_RED)));
149         mMap.addMarker(new MarkerOptions().position(moja_lokacija_prva).title("PRVA
    LOKACIJA").icon
150
    (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_AZURE)));
151         PolylineOptions polylineOptions = new
    PolylineOptions().width(5).color(Color.RED);
152         polylineOptions.addAll(koordList);
153         mMap.addPolyline(polylineOptions);
154         LatLngBounds podrZoma = builder.build();
155         mMap.moveCamera(CameraUpdateFactory.newLatLngBounds(podrZoma, 50));
156     }
157     public void obrisiPritisnuto() {
158         AlertDialog.Builder builder=new AlertDialog.Builder(this);
159         builder.setTitle("Upozorenje").setMessage("Da li želite izbrisati?");
160         builder.setCancelable(false);
161         builder.setNegativeButton("NE", new DialogInterface.OnClickListener() {
162             @Override
163             public void onClick(DialogInterface dialog, int which) {
164                 klikNe();
165             }
166         });
167         builder.setPositiveButton("DA", new DialogInterface.OnClickListener() {
168             @Override
169             public void onClick(DialogInterface dialog, int which) {
170                 klikDa();
```

```
171             }
172         });
173         AlertDialog poruka=builder.create();
174         poruka.show();
175     }
176     public void klikNe(){ zas_b = false;}
177     public void klikDa(){
178         if(zas_b == false) {
179             Object item = popisLV_lok.getItemAtPosition(broj_spremanja - 1);
180             String value = item.toString();
181             String split1[] = value.split("\\?");
182             del_id = split1[0];
183             Integer deleteRut = mojaBP.obrisiStavku_RUT(String.valueOf(del_id));
184         }
185         if(zas_b == true){
186             zas_b = false;
187             mojaBP.obrisiPodatke_RUT();
188         }
189         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0), 1));
190         mMap.clear();
191         pokazi1();
192     }
193     @Override
194     public boolean onCreateOptionsMenu(Menu menu) {
195         getMenuInflater().inflate(R.menu.menu_lokacije_pov_kret, menu);
196         return true;
197     }
198     @Override
199     public boolean onOptionsItemSelected(MenuItem item) {
200         int id = item.getItemId();
201         if (id == R.id.oprog) {
202             Intent inte= new Intent(Lokacije_PovKret_Activity.this,
    Oprog_Activity.class);
203             inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
204             startActivity(inte);
205             finish();
206         }
207         if (id == R.id.lok || id == R.id.lok2) {
208             Intent inte= new Intent(Lokacije_PovKret_Activity.this,
    Lokacije_Glavna_Activity.class);
209             inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
210             startActivity(inte);
211             finish();
212         }
213         if (id == R.id.pri || id == R.id.pri2) {
214             Intent inte= new Intent(Lokacije_PovKret_Activity.this,
    Login_Activity.class);
215             startActivity(inte);
216             finish();
217         }
218         if (id == R.id.brisi_lok_pov_kre) {
219             zas_b = true;
220             obrisiPritisnuto();
221         }
222         return super.onOptionsItemSelected(item);
223     }
224 }
```

MojAdapterLok1.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import android.content.Context;
3   import android.view.LayoutInflater;
4   import android.view.View;
5   import android.view.ViewGroup;
6   import android.widget.ArrayAdapter;
7   import android.widget.TextView;
8   import java.util.ArrayList;
9   public class MojAdapterLok1 extends ArrayAdapter<String> {
10      private ArrayList<String> podaci2;
```

```
11      public MojAdapterLok1 (Context context, int resource, ArrayList<String>
    podaci2) {
12          super(context, resource, podaci2);
13          this.podaci2 = podaci2;
14      }
15      @Override
16      public View getView(int position, View convertView, ViewGroup parent) {
17          View view=convertView;
18          if (view == null) {
19              LayoutInflater inflater = (LayoutInflater)
20                      getContext().getSystemService(Context.LAYOUT_INFLATER_SERVICE);
21              view = inflater.inflate(R.layout.moj_layout_lokacije_pov1, null);
22          }
23          String podatak=this.podaci2.get(position);
24          String split1[] = podatak.split("\\?");
25          String vrijeme = split1[1];
26          TextView brojPrikaz_tv=(TextView)view.findViewById(R.id.brojPrikaz1);
27          brojPrikaz_tv.setText(Integer.toString(position + 1));
28          TextView datumPrikaz_tv=(TextView)view.findViewById(R.id.datumPrikaz1);
29          datumPrikaz_tv.setText(vrijeme);
30          return view;
31      }
32  }
```

MojaBP.java

```
1   package com.unin.kl.zavrsni_rad_kl;
2   import android.content.ContentValues;
3   import android.content.Context;
4   import android.database.Cursor;
5   import android.database.sqlite.SQLiteDatabase;
6   public class MojaBP extends android.database.sqlite.SQLiteOpenHelper {
7       private static final String DATABSE_IME_LOK = "lokacija_bp.db";
8       private static final String TABLICA_IME_LOK = "lokacija_tablica";
9       private static final String STUPAC_ID_LOK = "id";
10      private static final String STUPAC_LAT_LOK = "latituda";
11      private static final String STUPAC_LON_LOK = "longituda";
12      private static final String STUPAC_VIS_LOK = "visina";
13      private static final String STUPAC_PREC_LOK = "preciznost";
14      private static final String STUPAC_SMJER_LOK = "smjer";
15      private static final String STUPAC_IZVOR_LOK = "izvor";
16      private static final String STUPAC_BRZINA_LOK = "brzina";
17      private static final String STUPAC_VRIJEME_LOK = "vrijeme";
18      private static final String STUPAC_VRIJEME_F_LOK = "vrijeme_f";
19      private static final String STUPAC_STAROST_LOK = "starost";
20      private static final String STUPAC_VRIJEME_SPREM_LOK = "datum";
21      private static final String TABLICA_IME_RUT = "rute_tablica";
22      private static final String STUPAC_ID_UNOSA_RUT = "id_unos_rut";
23      private static final String STUPAC_ID_RUTE_RUT = "id_rut";
24      private static final String STUPAC_ID_LOKACIJE_RUT = "id_lok";
25      private static final String STUPAC_TEKST_RUT = "koordinate";
26      private static final String STUPAC_DATUM_RUT = "datum";
27      public static final String TABLE_CREATE_LOK = "create table "+TABLICA_IME_LOK+"
    ("+STUPAC_ID_LOK+
28              " integer primary key autoincrement, "+STUPAC_LAT_LOK+" text,
    "+STUPAC_LON_LOK+" text, "
29              +STUPAC_VIS_LOK+" text, "+STUPAC_VRIJEME_SPREM_LOK+" text,
    "+STUPAC_PREC_LOK+" text, "
30              +STUPAC_SMJER_LOK+" text, "+STUPAC_IZVOR_LOK+" text,
    "+STUPAC_BRZINA_LOK+" text, "
31              +STUPAC_VRIJEME_LOK+" text, "+STUPAC_VRIJEME_F_LOK+" text,
    "+STUPAC_STAROST_LOK+" text  );";
32      public static final String TABLE_CREATE_RUT = "create table "+TABLICA_IME_RUT+"
    ("+STUPAC_ID_UNOSA_RUT
33              +" integer primary key autoincrement, "+STUPAC_ID_RUTE_RUT+" integer, "
34              +STUPAC_ID_LOKACIJE_RUT+" integer, " +STUPAC_TEKST_RUT+" text,
    "+STUPAC_DATUM_RUT+" text );";
35      public MojaBP(Context context) {
36          super(context, DATABSE_IME_LOK, null, 1);
37          SQLiteDatabase bp = this.getWritableDatabase();
38      }
```

```
39      @Override
40      public void onCreate(SQLiteDatabase bp) {
41          bp.execSQL(TABLE_CREATE_LOK);
42          bp.execSQL(TABLE_CREATE_RUT);
43      }
44      @Override
45      public void onUpgrade(SQLiteDatabase bp, int oldVersion, int newVersion) {
46          String UPIT1 = "DROP TABLE IF EXISTS "+TABLICA_IME_LOK;
47          bp.execSQL(UPIT1);
48          String UPIT2 = "DROP TABLE IF EXISTS "+TABLICA_IME_RUT;
49          bp.execSQL(UPIT2);
50          this.onCreate(bp);
51      }
52      public boolean spremiPodatke_LOK(String lat_s, String lon_s, String vis_s,
    String vrijeme_sprem,
53                                       String acc_s, String bear_s, String prov_s,
    String speed_s,
54                                       String fix_time_s, String fix_time_s_f, String
    fix_pass_time_s){
55          SQLiteDatabase bp = this.getWritableDatabase();
56          ContentValues cv = new ContentValues();
57          cv.put(STUPAC_VRIJEME_SPREM_LOK, vrijeme_sprem);
58          cv.put(STUPAC_LAT_LOK, lat_s);
59          cv.put(STUPAC_LON_LOK, lon_s);
60          cv.put(STUPAC_VIS_LOK, vis_s);
61          cv.put(STUPAC_PREC_LOK, acc_s);
62          cv.put(STUPAC_SMJER_LOK, bear_s);
63          cv.put(STUPAC_IZVOR_LOK, prov_s);
64          cv.put(STUPAC_BRZINA_LOK, speed_s);
65          cv.put(STUPAC_VRIJEME_LOK, fix_time_s);
66          cv.put(STUPAC_VRIJEME_F_LOK, fix_time_s_f);
67          cv.put(STUPAC_STAROST_LOK, fix_pass_time_s);
68          long ishod = bp.insert(TABLICA_IME_LOK, null, cv);
69          if(ishod == -1){
70              return false;
71          }else{
72              return true;
73          }
74      }
75      public boolean spremiPodatke_RUT(String lat_lon, String vrijeme, Integer
    id_lok_rut, Integer id_rut){
76          SQLiteDatabase bp = this.getWritableDatabase();
77          ContentValues cv = new ContentValues();
78          cv.put(STUPAC_TEKST_RUT, lat_lon);
79          cv.put(STUPAC_DATUM_RUT, vrijeme);
80          cv.put(STUPAC_ID_RUTE_RUT, id_rut);
81          cv.put(STUPAC_ID_LOKACIJE_RUT, id_lok_rut);
82          long ishod = bp.insert(TABLICA_IME_RUT, null, cv);
83          if(ishod == -1){
84              return false;
85          }else{
86              return true;
87          }
88      }
89      public Cursor dohvatiPodatke_LOK(){
90          SQLiteDatabase bp = this.getWritableDatabase();
91          Cursor podaci_LOK =  bp.rawQuery("select * from "+TABLICA_IME_LOK,null);
92          return podaci_LOK;
93      }
94      public Cursor dohvatiPodatke_LOK_pojedino(String id){
95          SQLiteDatabase bp = this.getWritableDatabase();
96          Cursor podaci_LOK =  bp.rawQuery("select * from "+TABLICA_IME_LOK+ " where
    id=?",new String[] {id});
97          return podaci_LOK;
98      }
99      public Cursor dohvatiPodatke_RUT_list(){
100         SQLiteDatabase bp = this.getWritableDatabase();
101         Cursor podaci_RUT =  bp.rawQuery("select DISTINCT("+STUPAC_DATUM_RUT+"), "
102                 +STUPAC_ID_RUTE_RUT+" from "+TABLICA_IME_RUT,null);
103         return podaci_RUT;
```

```
104     }
105     public Cursor dohvatiPodatke_RUT_pojedino(String id1, String id2){
106         SQLiteDatabase bp = this.getWritableDatabase();
107         Cursor podaci_RUT =  bp.rawQuery("select * from " + TABLICA_IME_RUT + "
    where id_rut=? " +
108                 "and id_lok=?",  new String[] {id1,id2});
109         return podaci_RUT;
110     }
111     public Cursor max_id_rut(){
112         SQLiteDatabase bp = this.getWritableDatabase();
113         Cursor max_id_RUT =  bp.rawQuery("select max(id_rut) from
    "+TABLICA_IME_RUT,null);
114         return max_id_RUT;
115     }
116     public Cursor max_id_rut_lok(){
117         SQLiteDatabase bp = this.getWritableDatabase();
118         Cursor max_id_RUT_LOK =  bp.rawQuery("select max(id_lok) from
    "+TABLICA_IME_RUT,null);
119         return max_id_RUT_LOK;
120     }
121     public void obrisiPodatke_LOK(){
122         SQLiteDatabase bp = this.getWritableDatabase();
123         String UPIT1 = "DROP TABLE IF EXISTS "+TABLICA_IME_LOK;
124         bp.execSQL(UPIT1);
125         bp.execSQL(TABLE_CREATE_LOK);
126     }
127     public void obrisiPodatke_RUT(){
128         SQLiteDatabase bp = this.getWritableDatabase();
129         String UPIT2 = "DROP TABLE IF EXISTS "+TABLICA_IME_RUT;
130         bp.execSQL(UPIT2);
131         bp.execSQL(TABLE_CREATE_RUT);
132     }
133     public Integer obrisiStavku_LOK(String id){
134         SQLiteDatabase bp = this.getWritableDatabase();
135         return bp.delete(TABLICA_IME_LOK, "ID = ?",
136                 new String[] {id});
137     }
138     public Integer obrisiStavku_RUT(String id){
139         SQLiteDatabase bp = this.getWritableDatabase();
140         return bp.delete(TABLICA_IME_RUT, "id_rut = ?",
141                 new String[] {id});
142     }
143     public Cursor max_id_rut_LOK2(String id){
144         SQLiteDatabase bp = this.getWritableDatabase();
145         Cursor max_id_RUT_LOK =  bp.rawQuery("select max(id_lok) from " +
    TABLICA_IME_RUT +
146                 " where id_rut=?",  new String[] {id});
147         return max_id_RUT_LOK;
148     }
149 }
```

Oprog_Activity.java

```
1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Intent;
3  import android.os.Bundle;
4  import androidx.appcompat.widget.Toolbar;
5  import android.view.Menu;
6  import android.view.MenuItem;
7  import android.webkit.WebChromeClient;
8  import android.webkit.WebView;
9  import android.webkit.WebViewClient;
10 import androidx.appcompat.app.AppCompatActivity;
11 public class Oprog_Activity extends AppCompatActivity {
12     @Override
13     protected void onCreate(Bundle savedInstanceState) {
14         super.onCreate(savedInstanceState);
15         setContentView(R.layout.activity_oprog_);
16         Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
17         setSupportActionBar(toolbar);
18         WebView wv = (WebView) findViewById(R.id.webView);
```

```
19          wv.setWebViewClient(new WebViewClient());
20          wv.setWebChromeClient(new WebChromeClient());
21          String html;
22          html="\n" +
23                  "<html>\n" +
24                  "<body bgcolor=\"#f4efea\">\n" +
25                  "<p style=\"text-align: center; font-size:
    20px;\"><strong>Sveučili&scaron;te " +
26                  "sjever</strong></p>\n<p style=\"font-family: Georgia,
    serif;\"><strong>Odjel:" +
27                  "</strong> Elektrotehnika</p>\n<p style=\"font-family: Georgia,
    serif;\">" +
28                  "<strong>Broj zavr&scaron;nog rada:</strong> 446/EL/2019</p>\n<p
    style=\"" +
29                  "font-family: Georgia, serif;\"><strong>Naslov zavr&scaron;nog
    rada:</strong>" +
30                  "</p>\n<p style=\"font-family: Georgia, serif;\"><em>Izvedba
    Android mobilne " +
31                  "aplikacije s primjenom lokacijskih servisa</em></p>\n" +
32                  "<p style=\"font-family: Georgia,
    serif;\"><strong>Student: </strong>" +
33                  "Kristijan Lukaček, 5043/601</p>\n<p style=\"font-family: Georgia,
    serif;\">" +
34                  "<strong>Mentor: </strong>mr.sc. Matija Mikac</p>\n<p
    style=\"font-family: " +
35                  "Georgia, serif;\"><strong>Datum izrade</strong>: 15. rujan
    2019.</p>\n" +
36                  "<p style=\"font-family: Georgia, serif;\"><strong>Zadatak
    zavr&scaron;nog rada:" +
37                  "</strong></p>\n<p style=\"font-family: Georgia, serif;\">Cilj
    zavr&scaron;nog " +
38                  "rada je izvesti potpuno funkcionalnu mobilnu aplikaciju za Android
    operacijski" +
39                  " sustav bazirani na pro&scaron;irenoj primjeni lokacijskih servisa
    (pohrana GPS" +
40                  " lokacija, vizualizacija). Potrebno je teoretski obraditi elemente
    Android" +
41                  " operacijskog sustava i razvojnog okruženja vezane uz samu izvedbu
    aplikacije." +
42                  " Također je nužno implementirati osnovne elemente web aplikacije
    koja će " +
43                  "preuzimati podatke sa uređaja i omogućiti određenu razinu
    vizualizacije i u " +
44                  "obliku web aplikacije - pri tome voditi računa o identifikaciji
    korisnika. " +
45                  "Kao dodatne (pro&scaron;irena primjena) mogućnosti implementirati
    " +
46                  "funkcionalnost slanja proizvoljnih podataka i fotografija sa geo-
    pozicijom i" +
47                  " dohvat povratnog statusa sa poslužitelja (na primjer, prijave
    komunalnih" +
48                  " problema redarima i slično)<br /> <br />U radu je potrebno: <br
    />&bull; " +
49                  "obraditi i opisati ključne kori&scaron;tene elemente Android
    operacijskog " +
50                  "sustava - lokacijske servise, mogućnosti pohrane podataka na
    uređaju, mogućnosti "+
51                  "mrežne komunikacije i slanja podataka na poslužitelj, pristup
    vizualizaciji" +
52                  " lokacijskih podataka u obliku mapa, kontrola kamere itd.<br
    />&bull; " +
53                  "implementirati i dokumentirati aplikaciju koja će omogućiti GPS
    praćenje<br />" +
54                  "&bull; dodatno implementirati mogućnost slanja podataka i
    fotografija sa uređaja "+
55                  "na server<br />&bull; implementirati osnovne elemente web
    aplikacije nužne za" +
56                  " funkcioniranje aplikacije ovog tipa</p></body>\n</html>\n";
57          wv.loadData(html, "text/html", "UTF-8");
58      }
```

```
59      @Override
60      public boolean onCreateOptionsMenu(Menu menu) {
61          getMenuInflater().inflate(R.menu.menu_glavna__lokacije_, menu);
62          return true;
63      }
64      @Override
65      public boolean onOptionsItemSelected(MenuItem item) {
66          int id = item.getItemId();
67          if (id == R.id.oprog) {
68          }
69          if (id == R.id.lok || id == R.id.lok2) {
70              Intent inte= new Intent(Oprog_Activity.this,
    Lokacije_Glavna_Activity.class);
71              inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
72              startActivity(inte);
73              finish();
74          }
75          if (id == R.id.pri || id == R.id.pri2) {
76              Intent inte= new Intent(Oprog_Activity.this, Prijava_Activity.class);
77              startActivity(inte);
78              finish();
79          }
80          return super.onOptionsItemSelected(item);
81      }
82  }
```

Grafička XML sučelja aplikacije

activity_login.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <androidx.coordinatorlayout.widget.CoordinatorLayout
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       xmlns:app="http://schemas.android.com/apk/res-auto"
5       xmlns:tools="http://schemas.android.com/tools"
6       android:layout_width="match_parent"
7       android:layout_height="match_parent"
8       tools:context=".Login_Activity"
9       android:background="@drawable/back_3">
10      <com.google.android.material.appbar.AppBarLayout
11          android:layout_width="match_parent"
12          android:layout_height="wrap_content"
13          android:theme="@style/AppTheme.AppBarOverlay"/>
14      <include layout="@layout/login_layout" />
15  </androidx.coordinatorlayout.widget.CoordinatorLayout>
```

login_layout.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3       android:layout_width="match_parent" android:layout_height="match_parent">
4       <Button
5           android:id="@+id/btn_pov"
6           android:layout_width="165dp"
7           android:layout_height="50dp"
8           android:layout_alignParentBottom="true"
9           android:layout_centerHorizontal="true"
10          android:layout_marginBottom="85dp"
11          android:backgroundTint="@android:color/darker_gray"
12          android:onClick="klikPov"
13          android:text="Povijest prijava"
14          android:textSize="12sp" />
15      <EditText
16          android:id="@+id/et_user"
17          android:layout_width="250dp"
18          android:layout_height="50dp"
19          android:layout_centerInParent="false"
20          android:layout_centerHorizontal="true"
21          android:layout_marginTop="100dp"
22          android:ems="10"
23          android:hint="Korisničko ime"
```

```
        android:gravity="center"
        android:inputType="textPersonName" />
    <EditText
        android:id="@+id/et_pass"
        android:layout_width="250dp"
        android:layout_height="50dp"
        android:layout_below="@id/et_user"
        android:layout_centerHorizontal="true"
        android:layout_marginLeft="100dp"
        android:ems="10"
        android:hint="Lozinka"
        android:gravity="center"
        android:inputType="textPassword" />
    <Button
        android:id="@+id/btn_anon"
        android:layout_width="165dp"
        android:layout_height="50dp"
        android:layout_below="@id/btn_prijava"
        android:layout_centerHorizontal="true"
        android:backgroundTint="@android:color/holo_blue_dark"
        android:onClick="klikAnon"
        android:text="Anonimna prijava" />
    <Button
        android:id="@+id/btn_prijava"
        android:layout_width="165dp"
        android:layout_height="50dp"
        android:layout_below="@id/et_pass"
        android:layout_centerHorizontal="true"
        android:backgroundTint="@color/colorPrimary"
        android:onClick="klikLogin"
        android:text="Prijava" />
    <Button
        android:id="@+id/btn_reg"
        android:layout_width="165dp"
        android:layout_height="50dp"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="25dp"
        android:backgroundTint="@android:color/darker_gray"
        android:onClick="klikReg"
        android:textSize="12sp"
        android:text="Registracija" />
</RelativeLayout>
```

activity_registracija.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Registracija_Activity"
    android:background="@drawable/back_3">
    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay"/>
    <include layout="@layout/registracija_layout" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

rergistracija_layout.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent" android:layout_height="match_parent">
    <EditText
        android:id="@+id/et_ime"
        android:layout_width="250dp"
        android:layout_height="50dp"
```

```
8           android:layout_centerInParent="false"
9           android:layout_centerHorizontal="true"
10          android:layout_marginTop="100dp"
11          android:ems="10"
12          android:gravity="center"
13          android:hint="Ime"
14          android:inputType="textPersonName" />
15      <EditText
16          android:id="@+id/et_prezime"
17          android:layout_width="250dp"
18          android:layout_height="50dp"
19          android:layout_below="@id/et_ime"
20          android:layout_centerInParent="false"
21          android:layout_centerHorizontal="true"
22          android:layout_marginTop="10dp"
23          android:ems="10"
24          android:gravity="center"
25          android:hint="Prezime"
26          android:inputType="textPersonName" />
27      <EditText
28          android:id="@+id/et_oib"
29          android:layout_width="250dp"
30          android:layout_height="50dp"
31          android:layout_below="@id/et_prezime"
32          android:layout_centerInParent="false"
33          android:layout_centerHorizontal="true"
34          android:layout_marginTop="10dp"
35          android:ems="10"
36          android:gravity="center"
37          android:hint="OIB"
38          android:inputType="text|number" />
39      <EditText
40          android:id="@+id/et_user1"
41          android:layout_width="250dp"
42          android:layout_height="50dp"
43          android:layout_below="@id/et_oib"
44          android:layout_centerInParent="false"
45          android:layout_centerHorizontal="true"
46          android:layout_marginTop="10dp"
47          android:ems="10"
48          android:gravity="center"
49          android:hint="Korisničko ime"
50          android:inputType="textPersonName" />
51      <EditText
52          android:id="@+id/et_pass1"
53          android:layout_width="250dp"
54          android:layout_height="50dp"
55          android:layout_below="@id/et_user1"
56          android:layout_centerInParent="false"
57          android:layout_centerHorizontal="true"
58          android:layout_marginTop="10dp"
59          android:ems="10"
60          android:gravity="center"
61          android:hint="Lozinka"
62          android:inputType="textPassword" />
63      <EditText
64          android:id="@+id/et_pass2"
65          android:layout_width="250dp"
66          android:layout_height="50dp"
67          android:layout_below="@id/et_pass1"
68          android:layout_centerInParent="false"
69          android:layout_centerHorizontal="true"
70          android:layout_marginTop="10dp"
71          android:ems="10"
72          android:gravity="center"
73          android:hint="Ponovno unestie lozinku"
74          android:inputType="textPassword" />
75      <Button
76          android:id="@+id/btn_reg1"
77          android:layout_width="165dp"
```

```
78          android:layout_height="50dp"
79          android:layout_below="@id/checkUvjeti"
80          android:layout_alignStart="@+id/et_pass2"
81          android:layout_alignEnd="@+id/checkUvjeti"
82          android:backgroundTint="@color/colorPrimary"
83          android:onClick="klikReg1"
84          android:text="Registriaj me" />
85      <CheckBox
86          android:id="@+id/checkUvjeti"
87          android:layout_width="wrap_content"
88          android:layout_height="wrap_content"
89          android:layout_below="@id/et_pass2"
90          android:layout_alignStart="@+id/et_pass2"
91          android:layout_marginStart="0dp"
92          android:onClick="dozvolaKlik"
93          android:text="Prihvaćam uvjete korištenja."
94          android:textSize="17sp" />
95  </RelativeLayout>
```

activity_postavke.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <androidx.coordinatorlayout.widget.CoordinatorLayout
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       xmlns:app="http://schemas.android.com/apk/res-auto"
5       xmlns:tools="http://schemas.android.com/tools"
6       android:layout_width="match_parent"
7       android:layout_height="match_parent"
8       tools:context=".Postavke_Activity"
9       android:background="@drawable/back_3">
10      <com.google.android.material.appbar.AppBarLayout
11          android:layout_width="match_parent"
12          android:layout_height="wrap_content"
13          android:theme="@style/AppTheme.AppBarOverlay"/>
14      <include layout="@layout/postavke_layout" />
15  </androidx.coordinatorlayout.widget.CoordinatorLayout>
```

postavke_layout.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <androidx.core.widget.NestedScrollView
3   xmlns:android="http://schemas.android.com/apk/res/android"
4           xmlns:app="http://schemas.android.com/apk/res-auto"
5           xmlns:tools="http://schemas.android.com/tools"
6           android:layout_width="match_parent"
7           android:layout_height="match_parent">
8       <RelativeLayout
9           android:layout_width="match_parent" android:layout_height="match_parent">
10          <TextView
11              android:id="@+id/tv_naslov"
12              android:layout_width="260dp"
13              android:layout_height="40dp"
14              android:layout_below="@id/et_ip"
15              android:layout_marginTop="50dp"
16              android:paddingLeft="10dp"
17              android:text="Promjena koisničkih podataka:"
18              android:textSize="18dp" />
19          <EditText
20              android:id="@+id/et_ip"
21              android:layout_width="250dp"
22              android:layout_height="50dp"
23              android:layout_centerInParent="false"
24              android:layout_marginTop="100dp"
25              android:ems="10"
26              android:inputType="textPersonName" />
27          <TextView
28              android:id="@+id/textView6"
29              android:layout_width="160dp"
30              android:layout_height="40dp"
31              android:layout_marginTop="50dp"
32              android:paddingLeft="10dp"
```

```
33              android:text="IP adresa servera:"
34              android:textSize="18dp" />
35          <ImageButton
36              android:id="@+id/btn_postavi"
37              android:layout_width="50dp"
38              android:layout_height="50dp"
39              android:layout_marginLeft="20dp"
40              android:layout_marginTop="100dp"
41              android:layout_toRightOf="@id/et_ip"
42              android:backgroundTint="@color/colorPrimary"
43              app:srcCompat="@android:drawable/stat_notify_sync" />
44          <EditText
45              android:id="@+id/et_ime"
46              android:layout_width="250dp"
47              android:layout_height="50dp"
48              android:layout_below="@id/tv_naslov"
49              android:layout_centerInParent="false"
50              android:layout_centerHorizontal="true"
51              android:ems="10"
52              android:hint="Ime"
53              android:inputType="textPersonName" />
54          <EditText
55              android:id="@+id/et_prezime"
56              android:layout_width="250dp"
57              android:layout_height="50dp"
58              android:layout_below="@id/et_ime"
59              android:layout_centerInParent="false"
60              android:layout_centerHorizontal="true"
61              android:layout_marginTop="10dp"
62              android:ems="10"
63              android:hint="Prezime"
64              android:inputType="textPersonName" />
65          <EditText
66              android:id="@+id/et_oib"
67              android:layout_width="250dp"
68              android:layout_height="50dp"
69              android:layout_below="@id/et_prezime"
70              android:layout_centerInParent="false"
71              android:layout_centerHorizontal="true"
72              android:layout_marginTop="10dp"
73              android:ems="10"
74              android:hint="OIB"
75              android:inputType="text|number" />
76          <EditText
77              android:id="@+id/et_user1"
78              android:layout_width="250dp"
79              android:layout_height="50dp"
80              android:layout_below="@id/et_oib"
81              android:layout_centerInParent="false"
82              android:layout_centerHorizontal="true"
83              android:layout_marginTop="10dp"
84              android:ems="10"
85              android:hint="Korisničko ime"
86              android:inputType="textPersonName" />
87          <EditText
88              android:id="@+id/et_pass1"
89              android:layout_width="250dp"
90              android:layout_height="50dp"
91              android:layout_below="@id/et_user1"
92              android:layout_centerInParent="false"
93              android:layout_centerHorizontal="true"
94              android:layout_marginTop="10dp"
95              android:ems="10"
96              android:hint="Nova lozinka"
97              android:inputType="textPassword" />
98          <EditText
99              android:id="@+id/et_pass2"
100             android:layout_width="250dp"
101             android:layout_height="50dp"
102             android:layout_below="@id/et_pass1"
```

```
            android:layout_centerInParent="false"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="10dp"
            android:ems="10"
            android:hint="Ponovno unestie lozinku"
            android:inputType="textPassword" />
        <Button
            android:id="@+id/btn_promjene"
            android:layout_width="220dp"
            android:layout_height="wrap_content"
            android:layout_below="@id/et_pass2"
            android:layout_centerInParent="true"
            android:backgroundTint="@color/colorPrimary"
            android:text="PIMJENITE PROMJENE" />
        <Button
            android:id="@+id/btn_izbrisi"
            android:layout_width="220dp"
            android:layout_height="wrap_content"
            android:layout_below="@id/btn_promjene"
            android:layout_centerInParent="true"
            android:backgroundTint="@color/colorPrimary"
            android:text="IZBRIŠITE KORISNIČKI PROFIL" />
    </RelativeLayout>
</androidx.core.widget.NestedScrollView>
```

activity_prijava.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Prijava_Activity"
    android:background="@drawable/back_3">
    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay"/>
    <include layout="@layout/prijava_layout" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

prijava_layout.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.core.widget.NestedScrollView
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
        <RelativeLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_alignParentLeft="false"
                android:paddingLeft="@dimen/activity_horizontal_margin"
                android:paddingTop="@dimen/activity_vertical_margin"
                android:paddingRight="@dimen/activity_horizontal_margin"
                android:paddingBottom="@dimen/activity_vertical_margin">
                <ImageButton
                    android:id="@+id/btngal"
                    android:layout_width="100dp"
                    android:layout_height="50dp"
                    android:layout_marginTop="210dp"
                    android:layout_marginStart="30dp"
                    android:backgroundTint="@color/colorPrimary"
                    app:srcCompat="@android:drawable/ic_menu_gallery" />
                <ImageButton
                    android:id="@+id/btnfot"
                    android:layout_width="100dp"
```

```
27                      android:layout_height="50dp"
28                      android:layout_marginEnd="30dp"
29                      android:layout_alignParentRight="true"
30                      android:layout_centerHorizontal="false"
31                      android:layout_marginTop="210dp"
32                      android:backgroundTint="@color/colorPrimary"
33                      android:foregroundGravity="right"
34                      app:srcCompat="@android:drawable/ic_menu_camera" />
35                  <Button
36                      android:id="@+id/btnsalji"
37                      android:layout_width="100dp"
38                      android:layout_marginBottom="10dp"
39                      android:layout_marginTop="10dp"
40                      android:layout_height="wrap_content"
41                      android:layout_below="@id/mapPr1"
42                      android:layout_centerInParent="true"
43                      android:background="@android:color/holo_red_light"
44                      android:text="POŠALJI" />
45                  <com.google.android.material.textfield.TextInputLayout
46                      android:id="@+id/poruka_l"
47                      android:layout_width="match_parent"
48                      android:layout_height="wrap_content"
49                      android:layout_below="@id/btnfot">
50                      <com.google.android.material.textfield.TextInputEditText
51                          android:id="@+id/poruka"
52                          android:layout_width="match_parent"
53                          android:layout_height="150dp"
54                          android:layout_alignStart="@+id/poruka"
55                          android:hint="Tekst prijave ovdje" />
56                  </com.google.android.material.textfield.TextInputLayout>
57                  <ImageButton
58                      android:id="@+id/btnloc"
59                      android:layout_width="100dp"
60                      android:layout_height="50dp"
61                      android:layout_below="@id/poruka_l"
62                      android:layout_toRightOf="@id/textView3"
63                      android:backgroundTint="@color/colorPrimary"
64                      app:srcCompat="@android:drawable/ic_menu_mylocation" />
65                  <androidx.recyclerview.widget.RecyclerView
66                      android:id="@+id/rv1"
67                      android:layout_width="match_parent"
68                      android:layout_height="200dp" />
69                  <TextView
70                      android:id="@+id/textView3"
71                      android:layout_width="213dp"
72                      android:layout_height="46dp"
73                      android:layout_below="@id/poruka_l"
74                      android:layout_centerInParent="false"
75                      android:layout_centerVertical="false"
76                      android:text="Dodajte lokaciju prijave"
77                      android:textAlignment="center"
78                      android:textAllCaps="false"
79                      android:textSize="20dp" />
80                  <TextView
81                      android:id="@+id/tv_lok"
82                      android:layout_width="match_parent"
83                      android:layout_height="180dp"
84                      android:layout_below="@id/textView3"
85                      android:textSize="20dp" />
86                  <fragment
87                      android:id="@+id/mapPr1"
88                      android:name="com.google.android.gms.maps.MapFragment"
89                      android:layout_width="match_parent"
90                      android:layout_height="300dp"
91                      android:layout_below="@id/tv_lok"
92                      tools:layout="@layout/activity_prijava" />
93                  <View
94                      android:id="@+id/poz_view"
95                      android:layout_width="match_parent"
96                      android:layout_height="300dp"
```

```
                    android:layout_below="@id/tv_lok" />
        </RelativeLayout>
</androidx.core.widget.NestedScrollView>
```

slika1.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/linl1"
    android:layout_width="wrap_content"
    android:layout_height="200dp"
    android:orientation="vertical">
    <ImageView
        android:id="@+id/imageView1"
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:padding="5dp"
        tools:srcCompat="@tools:sample/avatars" />
</RelativeLayout>
```

activity_pov_prijava.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".PovPrijava_Activity"
    android:background="@drawable/back_3">
    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay"/>
    <include layout="@layout/povprijava_layout" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

povprijava_layout.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rv2"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</RelativeLayout>
```

povstavka.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content">
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/linl1"
    android:layout_width="wrap_content"
    android:layout_height="200dp"
    android:orientation="vertical">
    <TextView
        android:id="@+id/tv_datum"
        android:layout_width="270dp"
        android:layout_height="75dp"
        android:layout_centerInParent="false"
        android:layout_toRightOf="@id/textView7"
        android:paddingVertical="25dp"
        android:text="TextView"
        android:textAlignment="center"
```

```
20          android:textAllCaps="true"
21          android:textSize="20sp" />
22      <TextView
23          android:id="@+id/textView7"
24          android:layout_width="120dp"
25          android:layout_height="75dp"
26          android:layout_centerInParent="false"
27          android:paddingVertical="25dp"
28          android:text="PRIJAVA:"
29          android:textAlignment="center"
30          android:textAllCaps="true"
31          android:textSize="20sp"
32          tools:text="PRIJAVA:" />
33  </RelativeLayout>
```

activity_prijava_spr.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <androidx.coordinatorlayout.widget.CoordinatorLayout
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       xmlns:app="http://schemas.android.com/apk/res-auto"
5       xmlns:tools="http://schemas.android.com/tools"
6       android:layout_width="match_parent"
7       android:layout_height="match_parent"
8       tools:context=".PrijavaSpr_Activity"
9       android:background="@drawable/back_3">
10      <com.google.android.material.appbar.AppBarLayout
11          android:layout_width="match_parent"
12          android:layout_height="wrap_content"
13          android:theme="@style/AppTheme.AppBarOverlay"/>
14      <include layout="@layout/sprprijava_layout" />
15  </androidx.coordinatorlayout.widget.CoordinatorLayout>
```

sprprijava_layout.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <androidx.core.widget.NestedScrollView
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       xmlns:tools="http://schemas.android.com/tools"
5       android:layout_width="match_parent"
6       android:layout_height="wrap_content">
7       <RelativeLayout
8           android:layout_width="match_parent"
9           android:layout_height="wrap_content"
10          android:layout_alignParentLeft="false"
11          android:paddingLeft="@dimen/activity_horizontal_margin"
12          android:paddingTop="@dimen/activity_vertical_margin"
13          android:paddingRight="@dimen/activity_horizontal_margin"
14          android:paddingBottom="@dimen/activity_vertical_margin"
15          tools:context=".Prijava_Activity"
16          tools:showIn="@layout/activity_prijava"
17          android:orientation="vertical">
18          <androidx.recyclerview.widget.RecyclerView
19              android:id="@+id/rv3"
20              android:layout_width="match_parent"
21              android:layout_height="200dp" />
22          <TextView
23              android:id="@+id/tv_datum_naslov"
24              android:layout_width="213dp"
25              android:layout_height="46dp"
26              android:layout_below="@id/rv3"
27              android:layout_centerInParent="false"
28              android:layout_centerVertical="false"
29              android:text="Vrijeme prijave:"
30              android:textAlignment="viewStart"
31              android:textAllCaps="false"
32              android:textSize="20dp" />
33          <TextView
34              android:id="@+id/tv_datum"
35              android:layout_width="match_parent"
36              android:layout_height="50dp"
```

```
37              android:textStyle="bold"
38              android:layout_below="@id/tv_datum_naslov"
39              android:textSize="20dp" />
40          <TextView
41              android:id="@+id/tv_lok_kord_naslov"
42              android:layout_width="213dp"
43              android:layout_height="46dp"
44              android:layout_below="@id/tv_datum"
45              android:layout_centerInParent="false"
46              android:layout_centerVertical="false"
47              android:text="Lokacija prijave:"
48              android:textAlignment="viewStart"
49              android:textAllCaps="false"
50              android:textSize="20dp" />
51          <TextView
52              android:id="@+id/tv_lok_kord"
53              android:layout_width="match_parent"
54              android:layout_height="100dp"
55              android:textStyle="bold"
56              android:layout_below="@id/tv_lok_kord_naslov"
57              android:textSize="20dp" />
58          <TextView
59              android:id="@+id/tv_lok_add_naslov"
60              android:layout_width="213dp"
61              android:layout_height="46dp"
62              android:layout_below="@id/tv_lok_kord"
63              android:layout_centerInParent="false"
64              android:layout_centerVertical="false"
65              android:text="Adresa prijave:"
66              android:textAlignment="viewStart"
67              android:textAllCaps="false"
68              android:textSize="20dp" />
69          <TextView
70              android:id="@+id/tv_lok_add"
71              android:layout_width="match_parent"
72              android:layout_height="100dp"
73              android:textStyle="bold"
74              android:layout_below="@id/tv_lok_add_naslov"
75              android:textSize="20dp" />
76          <TextView
77              android:id="@+id/tv_poruka_naslov"
78              android:layout_width="match_parent"
79              android:layout_height="wrap_content"
80              android:layout_marginTop="10dp"
81              android:text="Prijava:"
82              android:textAlignment="viewStart"
83              android:layout_below="@id/tv_lok_add"
84              android:textSize="20dp" />
85          <TextView
86              android:id="@+id/tv_poruka"
87              android:layout_width="match_parent"
88              android:layout_height="wrap_content"
89              android:layout_marginTop="10dp"
90              android:justificationMode="inter_word"
91              android:scrollbars="vertical"
92              android:layout_below="@id/tv_poruka_naslov"
93              android:textSize="15dp" />
94          <TextView
95              android:id="@+id/tv_odgovor_naslov"
96              android:layout_width="match_parent"
97              android:layout_height="wrap_content"
98              android:layout_marginTop="10dp"
99              android:text="Odgovor:"
100             android:textAlignment="viewStart"
101             android:layout_below="@id/tv_poruka"
102             android:textSize="20dp" />
103         <TextView
104             android:id="@+id/tv_odgovor"
105             android:layout_width="match_parent"
106             android:layout_height="wrap_content"
```

```
            android:scrollbars="vertical"
            android:justificationMode="inter_word"
            android:layout_below="@id/tv_odgovor_naslov"
            android:layout_marginTop="10dp"
            android:textSize="15dp" />
        <fragment
            android:id="@+id/mapPr3"
            android:name="com.google.android.gms.maps.MapFragment"
            android:layout_width="match_parent"
            android:layout_height="300dp"
            android:layout_below="@id/tv_odgovor"
            tools:layout="@layout/activity_prijava_spr" />
        <View
            android:id="@+id/proz_map_view"
            android:layout_width="match_parent"
            android:layout_height="300dp"
            android:layout_below="@id/tv_odgovor" />
    </RelativeLayout>
</androidx.core.widget.NestedScrollView>
```

activity_lokacija__glavna_.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Lokacije_Glavna_Activity"
    android:background="@drawable/back_6">
    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay"/>
    <include layout="@layout/content_lokacije_glavna" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

content_lokacija_glavna.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".Lokacije_Glavna_Activity"
    tools:showIn="@layout/activity_lokacije__glavna_">
    <TextView
        android:layout_width="100dp"
        android:layout_height="40dp"
        android:text="@string/latituda"
        android:id="@+id/textView"
        android:layout_alignParentTop="true"
        android:layout_alignParentStart="true"
        android:textSize="20sp"
        android:textColor="#8e7e7e"
        android:gravity="center_vertical|center_horizontal" />
    <TextView
        android:layout_width="180dp"
        android:layout_height="40dp"
        android:id="@+id/lattextView"
        android:layout_alignTop="@+id/textView"
        android:layout_toEndOf="@+id/textView"
        android:layout_alignBottom="@+id/textView"
```

```
32          android:textSize="15sp"
33          android:textColor="#000000"
34          android:gravity="center_vertical|center_horizontal" />
35      <TextView
36          android:layout_width="100dp"
37          android:layout_height="40dp"
38          android:text="@string/longituda"
39          android:id="@+id/textView2"
40          android:textSize="20sp"
41          android:textColor="#8e7e7e"
42          android:gravity="center_vertical|center_horizontal"
43          android:layout_below="@+id/textView"
44          android:layout_alignParentStart="true" />
45      <TextView
46          android:layout_width="180dp"
47          android:layout_height="40dp"
48          android:id="@+id/lontextView"
49          android:textSize="15sp"
50          android:textColor="#000000"
51          android:gravity="center_vertical|center_horizontal"
52          android:layout_alignTop="@+id/textView2"
53          android:layout_toEndOf="@+id/textView2" />
54      <TextView
55          android:layout_width="100dp"
56          android:layout_height="40dp"
57          android:text="@string/visina"
58          android:id="@+id/textView4"
59          android:textSize="20sp"
60          android:textColor="#8e7e7e"
61          android:gravity="center_vertical|center_horizontal"
62          android:layout_below="@+id/textView2"
63          android:layout_alignParentStart="true" />
64      <TextView
65          android:layout_width="180dp"
66          android:layout_height="40dp"
67          android:id="@+id/visinatextView"
68          android:textSize="15sp"
69          android:textColor="#000000"
70          android:gravity="center_vertical|center_horizontal"
71          android:layout_below="@+id/textView2"
72          android:layout_toEndOf="@+id/textView2" />
73      <ImageButton
74          android:layout_width="50dp"
75          android:layout_height="60dp"
76          android:text="@string/new_button"
77          android:id="@+id/gumb_locijraj"
78          android:src="@android:drawable/ic_menu_compass"
79          android:onClick="klikLociraj"
80          android:layout_alignParentTop="true"
81          android:layout_alignParentEnd="true"
82          android:contentDescription="@string/todo" />
83      <ImageButton
84          android:layout_width="50dp"
85          android:layout_height="60dp"
86          android:text="@string/new_button"
87          android:id="@+id/gumb_stani"
88          android:src="@android:drawable/ic_media_pause"
89          android:onClick="klikStani"
90          android:layout_below="@+id/textView4"
91          android:layout_toEndOf="@+id/gumb_snjimaj"
92          android:contentDescription="@string/todo" />
93      <ImageButton
94          android:layout_width="50dp"
95          android:layout_height="60dp"
96          android:text="@string/new_button"
97          android:id="@+id/gumb_prikazi_trenutno"
98          android:src="@android:drawable/ic_media_play"
99          android:onClick="klikPokazi_RUTU"
100         android:layout_alignTop="@+id/gumb_stani"
101         android:layout_toEndOf="@+id/gumb_stani"
```

```
        android:contentDescription="@string/todo" />
    <ImageButton
        android:layout_width="50dp"
        android:layout_height="60dp"
        android:text="@string/new_button"
        android:id="@+id/gumb_snjimaj"
        android:src="@android:drawable/presence_invisible"
        android:onClick="klikSnimaj"
        android:layout_below="@+id/textView4"
        android:layout_alignParentStart="true"
        android:contentDescription="@string/todo" />
    <ImageButton
        android:layout_width="50dp"
        android:layout_height="60dp"
        android:text="@string/new_button"
        android:id="@+id/gumb_pokazi_spr_snjimano"
        android:src="@android:drawable/ic_menu_share"
        android:onClick="klikPokazSveSnimano"
        android:layout_alignTop="@+id/gumb_pokazi_spr"
        android:layout_alignEnd="@+id/visinatextView"
        android:nestedScrollingEnabled="true"
        android:contentDescription="@string/todo" />
    <ImageButton
        android:layout_width="50dp"
        android:layout_height="60dp"
        android:text="@string/new_button"
        android:id="@+id/gumb_spremi_snjimano"
        android:src="@android:drawable/ic_menu_save"
        android:onClick="klikSpremiSnimano1"
        android:layout_below="@+id/visinatextView"
android:layout_toStartOf="@+id/gumb_pokazi_spr_snjimano"
        android:contentDescription="@string/todo" />
    <ImageButton
        android:layout_width="50dp"
        android:layout_height="60dp"
        android:text="@string/new_button"
        android:id="@+id/gumb_lociraj_spremi"
        android:src="@android:drawable/ic_menu_add"
        android:onClick="klikLocirajSpremi"
        android:layout_above="@+id/gumb_pokazi_spr"
        android:layout_alignParentEnd="true"
        android:contentDescription="@string/todo" />
    <ImageButton
        android:layout_width="50dp"
        android:layout_height="60dp"
        android:text="@string/new_button"
        android:id="@+id/gumb_pokazi_spr"
        android:src="@android:drawable/ic_menu_mapmode"
        android:onClick="klikLocirajPokaziSpr"
        android:layout_above="@+id/map1"
        android:layout_alignStart="@+id/gumb_lociraj_spremi"
        android:contentDescription="@string/todo" />
    <fragment
        android:id="@+id/map1"
        android:name="com.google.android.gms.maps.MapFragment"
        android:layout_width="100dp"
        android:layout_height="415dp"
        android:layout_below="@+id/gumb_prikazi_trenutno"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        tools:layout="@layout/activity_lokacije__glavna_" />
</RelativeLayout>
```

activity_lokacija__pov_.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
```

```
6       android:layout_height="match_parent"
7       tools:context=".Lokacije_Pov_Activity"
8       android:background="@drawable/back_6">
9       <com.google.android.material.appbar.AppBarLayout
10          android:layout_width="match_parent"
11          android:layout_height="wrap_content"
12          android:theme="@style/AppTheme.AppBarOverlay">
13          <androidx.appcompat.widget.Toolbar
14              android:id="@+id/toolbar3"
15              android:layout_width="match_parent"
16              android:layout_height="?attr/actionBarSize"
17              android:background="?attr/colorPrimary"
18              app:popupTheme="@style/AppTheme.PopupOverlay" />
19      </com.google.android.material.appbar.AppBarLayout>
20      <include layout="@layout/content_lokacije__pov_" />
21  </androidx.coordinatorlayout.widget.CoordinatorLayout>
```

content_lokacija__pov_.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <RelativeLayout
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       xmlns:app="http://schemas.android.com/apk/res-auto"
5       xmlns:tools="http://schemas.android.com/tools"
6       android:layout_width="match_parent"
7       android:layout_height="match_parent"
8       android:paddingLeft="@dimen/activity_horizontal_margin"
9       android:paddingRight="@dimen/activity_horizontal_margin"
10      android:paddingTop="@dimen/activity_vertical_margin"
11      android:paddingBottom="@dimen/activity_vertical_margin"
12  app:layout_behavior="@string/appbar_scrolling_view_behavior"
13      tools:context=".Lokacije_Pov_Activity"
14      tools:showIn="@layout/activity_lokacije__pov_">
15      <ListView
16          android:id="@+id/listView_lokacije"
17          android:layout_width="match_parent"
18          android:layout_height="250dp" />
19      <fragment
20          android:id="@+id/map3"
21          android:name="com.google.android.gms.maps.MapFragment"
22          android:layout_width="match_parent"
23          android:layout_height="380dp"
24          android:layout_below="@+id/listView_lokacije"
25          android:layout_marginTop="13dp"
26          tools:layout="@layout/activity_lokacije__pov_" />
27  </RelativeLayout>
```

moj_layout_lokacije_pov1.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <RelativeLayout
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       android:orientation="vertical"
5       android:layout_width="match_parent"
6       android:layout_height="match_parent">
7       <TextView
8           android:layout_width="60dp"
9           android:layout_height="40dp"
10          android:text="@string/_1"
11          android:id="@+id/brojPrikaz1"
12          android:gravity="center_vertical|center_horizontal"
13          android:textStyle="bold"
14          android:textSize="20sp" />
15      <TextView
16          android:layout_width="126dp"
17          android:layout_height="40dp"
18          android:text="New Text"
19          android:id="@+id/datumPrikaz1"
20          android:gravity="center_vertical|center_horizontal"
21          android:typeface="serif"
22          android:textSize="20sp"
```

```
        android:layout_gravity="center_horizontal"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_toEndOf="@+id/brojPrikaz1" />
</RelativeLayout>
```

activity_lokacije_comp.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Lokacije_comp"
    android:background="@drawable/back_6">
    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">
        <androidx.appcompat.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay" />
    </com.google.android.material.appbar.AppBarLayout>
    <include layout="@layout/content_lokacije_comp" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

content_lokacije_comp.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".Lokacije_comp"
    tools:showIn="@layout/activity_lokacije_comp">
    <fragment
        android:id="@+id/map7"
        android:name="com.google.android.gms.maps.MapFragment"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="10dp"
        android:layout_marginBottom="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/listView_comp"
        tools:context=".MapsActivity"
        tools:layout="@layout/activity_lokacije_comp" />
    <ListView
        android:id="@+id/listView_comp"
        android:layout_width="0dp"
        android:layout_height="250dp"
        android:layout_above="@+id/map7"
        android:layout_alignParentTop="true"
```

```
        android:layout_alignParentEnd="true"
        android:layout_marginStart="10dp"
        android:layout_marginTop="20dp"
        android:layout_marginEnd="10dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_lokacije__pov_kret_.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Lokacije_PovKret_Activity"
    android:background="@drawable/back_6">
    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">
        <androidx.appcompat.widget.Toolbar
            android:id="@+id/toolbar2"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay" />
    </com.google.android.material.appbar.AppBarLayout>
    <include layout="@layout/content_lokacije__pov_kret_" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

content_lokacije__pov_kret_.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".Lokacije_PovKret_Activity"
    tools:showIn="@layout/activity_lokacije__pov_kret_">
    <ListView
        android:id="@+id/listView2"
        android:layout_width="match_parent"
        android:layout_height="250dp" />
    <fragment
        android:id="@+id/map2"
        android:name="com.google.android.gms.maps.MapFragment"
        android:layout_width="match_parent"
        android:layout_height="380dp"
        android:layout_below="@+id/listView2"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginTop="13dp"
        tools:layout="@layout/activity_lokacije__pov_kret_" />
</RelativeLayout>
```

moj_layout_lokacije_pov2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
```

```
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       android:orientation="vertical"
5       android:layout_width="match_parent"
6       android:layout_height="match_parent">
7       <TextView
8           android:layout_width="220dp"
9           android:layout_height="40dp"
10          android:text="New Text"
11          android:id="@+id/lokPrikaz"
12          android:gravity="center_vertical|center_horizontal"
13          android:typeface="serif"
14          android:textSize="16sp"
15          android:layout_gravity="center_horizontal"
16          android:layout_alignParentTop="true" />
17      <TextView
18          android:id="@+id/datumPrikaz2"
19          android:layout_width="126dp"
20          android:layout_height="40dp"
21          android:layout_alignParentTop="true"
22          android:layout_alignParentEnd="true"
23          android:layout_gravity="center_horizontal"
24          android:layout_toEndOf="@+id/lokPrikaz"
25          android:gravity="center_vertical|center_horizontal"
26          android:text="New Text"
27          android:textSize="12sp"
28          android:typeface="serif" />
29  </RelativeLayout>
```

activity_oprog_.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <androidx.coordinatorlayout.widget.CoordinatorLayout
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       xmlns:app="http://schemas.android.com/apk/res-auto"
5       xmlns:tools="http://schemas.android.com/tools"
6       android:layout_width="match_parent"
7       android:layout_height="match_parent"
8       tools:context=".Oprog_Activity"
9       android:background="@drawable/back_4">
10      <com.google.android.material.appbar.AppBarLayout
11          android:layout_width="match_parent"
12          android:layout_height="wrap_content"
13          android:theme="@style/AppTheme.AppBarOverlay">
14          <androidx.appcompat.widget.Toolbar
15              android:id="@+id/toolbar"
16              android:layout_width="match_parent"
17              android:layout_height="?attr/actionBarSize"
18              android:background="?attr/colorPrimary"
19              app:popupTheme="@style/AppTheme.PopupOverlay" />
20      </com.google.android.material.appbar.AppBarLayout>
21      <include layout="@layout/content_oprog_"/>
22  </androidx.coordinatorlayout.widget.CoordinatorLayout>
```

content_oprog_.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <RelativeLayout
3       xmlns:android="http://schemas.android.com/apk/res/android"
4       xmlns:app="http://schemas.android.com/apk/res-auto"
5       xmlns:tools="http://schemas.android.com/tools"
6       android:layout_width="match_parent"
7       android:layout_height="match_parent"
8       android:paddingLeft="@dimen/activity_horizontal_margin"
9       android:paddingTop="@dimen/activity_vertical_margin"
10      android:paddingRight="@dimen/activity_horizontal_margin"
11      android:paddingBottom="@dimen/activity_vertical_margin"
12      app:layout_behavior="@string/appbar_scrolling_view_behavior"
13      tools:context=".Oprog_Activity"
14      tools:showIn="@layout/activity_oprog_">
15      <WebView
16          android:id="@+id/webView"
```

```
17          android:layout_width="match_parent"
18          android:layout_height="match_parent"
19          android:layout_alignParentTop="true"
20          android:layout_marginTop="10dp" />
21  </RelativeLayout>
```

menu_glavna__login.xml

```
1   <menu xmlns:android="http://schemas.android.com/apk/res/android"
2       xmlns:app="http://schemas.android.com/apk/res-auto"
3       xmlns:tools=http://schemas.android.com/tools
4       tools:context=".Lokacije_Glavna_Activity">
5       <item
6           android:id="@+id/pri2"
7           android:icon="@android:drawable/stat_notify_chat"
8           android:title=""
9           app:showAsAction="ifRoom" />
10      <item
11          android:id="@+id/lok2"
12          android:orderInCategory="100"
13          android:title="@string/lokacija"
14          app:showAsAction="never" />
15      <item
16          android:id="@+id/pri"
17          android:orderInCategory="100"
18          android:title="@string/prijavak"
19          app:showAsAction="never" />
20      <item
21          android:id="@+id/lok"
22          android:icon="@android:drawable/ic_menu_mapmode"
23          android:title=""
24          app:showAsAction="ifRoom" />
25      <item
26          android:id="@+id/postavke"
27          android:orderInCategory="100"
28          android:title="@string/postavke"
29          app:showAsAction="never" />
30      <item
31          android:id="@+id/povijest1"
32          android:orderInCategory="100"
33          android:title="Povijest prijava"
34          app:showAsAction="never" />
35      <item
36          android:id="@+id/oprog"
37          android:orderInCategory="100"
38          android:title="@string/o_programu"
39          app:showAsAction="never" />
40      <item
41          android:id="@+id/odjava1"
42          android:orderInCategory="100"
43          android:title="@string/odjavite_se"
44          app:showAsAction="never" />
45  </menu>
```

menu_glavna__lokacije_.xml

```
1   <menu xmlns:android="http://schemas.android.com/apk/res/android"
2       xmlns:app="http://schemas.android.com/apk/res-auto"
3       xmlns:tools=http://schemas.android.com/tools
4       tools:context=".Lokacije_Glavna_Activity">
5       <item
6           android:id="@+id/pri2"
7           android:icon="@android:drawable/stat_notify_chat"
8           android:title=""
9           app:showAsAction="ifRoom" />
10      <item
11          android:id="@+id/lok2"
12          android:orderInCategory="100"
13          android:title="@string/lokacija"
14          app:showAsAction="never" />
15      <item
```

```
        android:id="@+id/pri"
        android:orderInCategory="100"
        android:title="@string/prijavak"
        app:showAsAction="never" />
    <item
        android:id="@+id/lok"
        android:icon="@android:drawable/ic_menu_mapmode"
        android:title=""
        app:showAsAction="ifRoom" />
    <item
        android:id="@+id/oprog"
        android:orderInCategory="100"
        android:title="@string/o_programu"
        app:showAsAction="never" />
</menu>
```

menu_lokacije_pov.xml

```
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto">
    xmlns:tools=http://schemas.android.com/tools
    tools:context=".Lokacije_Pov_Activity">
    <item
        android:id="@+id/pri2"
        android:icon="@android:drawable/stat_notify_chat"
        android:title=""
        app:showAsAction="always" />
    <item
        android:id="@+id/lok"
        android:icon="@android:drawable/ic_menu_mapmode"
        android:title=""
        app:showAsAction="always" />
    <item
        android:id="@+id/comp"
        android:icon="@android:drawable/ic_menu_compass"
        android:title=""
        app:showAsAction="always" />
    <item
        android:id="@+id/lok2"
        android:orderInCategory="100"
        android:title="Lokacija"
        app:showAsAction="never" />
    <item
        android:id="@+id/pri"
        android:orderInCategory="100"
        android:title="@string/prijavak"
        app:showAsAction="never" />
    <item
        android:id="@+id/oprog"
        android:orderInCategory="100"
        android:title="O programu"
        app:showAsAction="never" />
    <item
        android:id="@+id/brisi_lok_pov"
        android:orderInCategory="100"
        android:title="Brisanje povijesti lokacija"
        app:showAsAction="never" />
</menu>
```

menu_lokacije_comp.xml

```
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools" tools:context=".Lokacije_comp">
    <item
        android:id="@+id/pri2"
        android:icon="@android:drawable/stat_notify_chat"
        android:title=""
        app:showAsAction="ifRoom" />
    <item
        android:id="@+id/lok"
```

```
11          android:icon="@android:drawable/ic_menu_mapmode"
12          android:title=""
13          app:showAsAction="always" />
14      <item
15          android:id="@+id/lok2"
16          android:orderInCategory="100"
17          android:title="Lokacija"
18          app:showAsAction="never" />
19      <item
20          android:id="@+id/pri"
21          android:orderInCategory="100"
22          android:title="@string/prijavak"
23          app:showAsAction="never" />
24      <item
25          android:id="@+id/oprog"
26          android:orderInCategory="100"
27          android:title="O programu"
28          app:showAsAction="never" />
29  </menu>
```

menu_lokacije_pov_kret.xml

```
1   <menu xmlns:android="http://schemas.android.com/apk/res/android"
2       xmlns:app="http://schemas.android.com/apk/res-auto">
3       xmlns:tools=http://schemas.android.com/tools
4       tools:context=".Lokacije_PovKret_Activity">
5       <item
6           android:id="@+id/lok"
7           android:icon="@android:drawable/ic_menu_mapmode"
8           android:title=""
9           app:showAsAction="always" />
10      <item
11          android:id="@+id/lok2"
12          android:orderInCategory="100"
13          android:title="Lokacija"
14          app:showAsAction="never" />
15      <item
16          android:id="@+id/pri"
17          android:orderInCategory="100"
18          android:title="@string/prijavak"
19          app:showAsAction="never" />
20      <item
21          android:id="@+id/pri2"
22          android:icon="@android:drawable/stat_notify_chat"
23          android:title=""
24          app:showAsAction="ifRoom" />
25      <item
26          android:id="@+id/oprog"
27          android:orderInCategory="100"
28          android:title="O programu"
29          app:showAsAction="never" />
30      <item
31          android:id="@+id/brisi_lok_pov_kre"
32          android:orderInCategory="100"
33          android:title="Brisanje povijesti kretanja"
34          app:showAsAction="never" />
35  </menu>
```

Pomoćni dokumenti

colors.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <resources>
3       <color name="colorPrimary">#5BAFA6</color>
4       <color name="colorPrimaryDark">#00574B</color>
5       <color name="colorAccent">#D81B60</color>
6   </resources>
```

dimens.xml

```
7   <resources>
```

```
8       <dimen name="activity_horizontal_margin">16dp</dimen>
9       <dimen name="activity_vertical_margin">16dp</dimen>
10      <dimen name="fab_margin">16dp</dimen>
11  </resources>
```

strings.xml

```
1   <resources>
2       <string name="app_name">ZAVRŠNI_RAD_K_L</string>
3       <string name="action_settings">Postavke</string>
4       <string name="title_activity_oprog_">Oprog_Activity</string>
5       <string name="title_activity_lokacije__glavna_">Map</string>
6       <string
7          name="title_activity_lokacije__pov_kret_">Lokacije_PovKret_Activity</string>
8       <string name="title_activity_lokacije__pov_">Lokacije_Pov_Activity</string>
9       <string name="title_activity_act__test">Act_Test</string>
10      <string name="IME">Završni rad</string>
11      <string
12         name="title_activity_activity_lokacije_comp">activity_lokacije_comp</string>
13      <string name="title_activity_main">MainActivity</string>
14      <string name="longituda">Longituda:</string>
15      <string name="visina">Visina:</string>
16      <string name="latituda">Latituda:</string>
17      <string name="todo">TODO</string>
18      <string name="Prikazi_spr_lok" />
19      <string name="Lociraj_spremi" />
20      <string name="Spemi_snimljeno" />
21      <string name="Pokazi_spr_rutu" />
22      <string name="Snimaj" />
23      <string name="Prikazi_trenutno" />
24      <string name="Stani" />
25      <string name="Lociraj" />
26      <string name="_1">1</string>
27      <string name="new_button">New Button</string>
28      <string name="title_activity_maps_test">Map</string>
29      <string name="lokacija">Lokacija</string>
30      <string name="prijavak">Prijavak</string>
31      <string name="postavke">Postavke</string>
32      <string name="odjavite_se">Odjavite se</string>
33      <string name="dodajte_lokaciju_prijave">Dodajte lokaciju prijave</string>
34      <string name="o_programu">O programu</string>
35  </resources>
```

styles.xml

```
1   <resources>
2       <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
3           <item name="colorPrimary">@color/colorPrimary</item>
4           <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
5           <item name="colorAccent">@color/colorAccent</item>
6       </style>
7       <style name="AppTheme.NoActionBar" >
8           <item name="windowActionBar">false</item>
9           <item name="windowNoTitle">true</item>
10      </style>
11      <style name="AppTheme.AppBarOverlay"
12             parent="ThemeOverlay.AppCompat.Dark.ActionBar" />
13      <style name="AppTheme.PopupOverlay" parent="ThemeOverlay.AppCompat.Light" />
14  </resources>
```

google_maps_api.xml

```
1   <resources>
2   <string name="google_maps_key" templateMergeStrategy="preserve"
3       translatable="false">AIzaSyDed3B8eNUejI0gBkc6RLpDdjhiCwYEmNA</string>
4   </resources>
```

file_paths.xml

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <paths xmlns:android="http://schemas.android.com/apk/res/android">
3       <external-path name="my_images"
```

```
4   path="Android/data/com.unin.kl.zavrsni_rad_kl/files/Pictures" />
5   </paths>
```

build.gradle (\Zavrsni_rad_KL\app)

```
1   buildscript {
2       repositories {
3           google()
4           jcenter()
5
6       }
7       dependencies {
8           classpath 'com.android.tools.build:gradle:3.4.2'
9       }
10  }
11  allprojects {
12      repositories {
13          google()
14          jcenter()
15      }
16  }
17  task clean(type: Delete) {
18      delete rootProject.buildDir
19  }
```

build.gradle (\Zavrsni_rad_KL\app)

```
1   apply plugin: 'com.android.application'
2   android {
3       compileSdkVersion 28
4       defaultConfig {
5           applicationId "com.unin.kl.zavrsni_rad_kl"
6           minSdkVersion 26
7           targetSdkVersion 28
8           versionCode 1
9           versionName "1.0"
10          testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
11      }
12      buildTypes {
13          release {
14              minifyEnabled false
15              proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'),
    'proguard-rules.pro'
16          }
17      }
18      compileOptions {
19          sourceCompatibility = '1.8'
20          targetCompatibility = '1.8'
21      }
22      buildToolsVersion = '28.0.3'
23  }
24  dependencies {
25      implementation fileTree(dir: 'libs', include: ['*.jar'])
26      implementation 'androidx.recyclerview:recyclerview:1.0.0'
27      implementation 'androidx.appcompat:appcompat:1.0.2'
28      implementation 'com.google.android.gms:play-services-maps:17.0.0'
29      implementation 'com.google.android.material:material:1.0.0'
30      implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
31      implementation "com.android.support:support-compat:28.0.0"
32      implementation 'com.android.volley:volley:1.1.1'
33      implementation 'com.squareup.picasso:picasso:2.71828'
34      testImplementation 'junit:junit:4.12'
35      androidTestImplementation 'androidx.test:runner:1.2.0'
36      androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0'
37  }
```