

```

1  package com.example.weatherapp;
2
3
4  import androidx.annotation.NonNull;
5  import androidx.appcompat.app.AppCompatActivity;
6  import androidx.core.app.ActivityCompat;
7  import androidx.core.content.ContextCompat;
8  import androidx.fragment.app.FragmentTransaction;
9
10 import android.content.pm.PackageManager;
11 import android.location.Location;
12 import android.os.Bundle;
13 import android.Manifest;
14 import android.util.Log;
15 import android.widget.Toast;
16
17 import com.example.weatherapp.Services.LocationService;
18
19 public class MainActivity extends AppCompatActivity {
20
21     static final int ACCESS_FINE_LOCATION_REQUEST_CODE = 100;
22
23     @Override
24     protected void onCreate(Bundle savedInstanceState) {
25         super.onCreate(savedInstanceState);
26         setContentView(R.layout.activity_main);
27
28         FragmentTransaction fragmentTransaction = getSupportFragmentManager().
29         beginTransaction();
30         fragmentTransaction.replace(R.id.frameLayoutMain, new LoadingFragment(this));
31         fragmentTransaction.commit();
32
33         if (ContextCompat.checkSelfPermission(MainActivity.this,
34             Manifest.permission.ACCESS_FINE_LOCATION) == PackageManager.
35             PERMISSION_GRANTED) {
36             fetchIfPermissionIsGranted();
37
38         } else {
39             ActivityCompat.requestPermissions(MainActivity.this,
40                 new String[]{Manifest.permission.ACCESS_FINE_LOCATION},
41                 ACCESS_FINE_LOCATION_REQUEST_CODE);
42         }
43     }
44
45     private void fetchIfPermissionDenied() {
46         Log.d("fetchStatus", "false");
47         try {
48             WeatherFetch fetch = new WeatherFetch(this, null);
49             fetch.execute();
50         } catch (Exception ex) {
51             Toast.makeText(this, ex.getMessage(), Toast.LENGTH_LONG).show();
52         }
53     }
54
55     private void fetchIfPermissionIsGranted() {
56         try {
57             Location lastLocation = LocationService.getLocationWithCheckNetworkAndGPS(
58                 this);
59             WeatherFetch fetch = new WeatherFetch(this, lastLocation);
60             fetch.execute();
61         } catch (Exception ex) {
62             Toast.makeText(this, ex.getMessage(), Toast.LENGTH_LONG).show();
63         }
64     }
65
66     @Override
67     public void onRequestPermissionsResult(int requestCode, @NonNull String[]
68     permissions, @NonNull int[] grantResults) {
69         if (requestCode == ACCESS_FINE_LOCATION_REQUEST_CODE) {
70             if (grantResults.length > 0 && grantResults[0] == PackageManager.
71                 PERMISSION_GRANTED) {
72                 fetchIfPermissionIsGranted();
73             } else {

```

```
68         fetchIfPermissionDenied();
69     }
70 }
71
72 super.onRequestPermissionsResult(requestCode, permissions, grantResults);
73 }
74 }
```