google\_maps\_api

<**resources**>

*<!--*

***TODO: Before you run your application, you need a Google Maps API key.***

*To get one, follow this link, follow the directions and press "Create" at the end:*

*https://console.developers.google.com/flows/enableapi?apiid=maps\_android\_backend&keyType=CLIENT\_SIDE\_ANDROID&r=BE:AD:A7:0E:B8:C7:7A:B6:E9:2E:28:EE:B0:71:F9:F6:DB:93:79:3D%3Bcom.example.archana.a31\_googlemap\_gps*

*You can also add your credentials to an existing key, using these values:*

*Package name:*

*BE:AD:A7:0E:B8:C7:7A:B6:E9:2E:28:EE:B0:71:F9:F6:DB:93:79:3D*

*SHA-1 certificate fingerprint:*

*BE:AD:A7:0E:B8:C7:7A:B6:E9:2E:28:EE:B0:71:F9:F6:DB:93:79:3D*

*Alternatively, follow the directions here:*

*https://developers.google.com/maps/documentation/android/start#get-key*

*Once you have your key (it starts with "AIza"), replace the "google\_maps\_key"*

*string in this file.*

*-->*

<**string name="google\_maps\_key"**

**templateMergeStrategy="preserve"**

**translatable="false"**>

PASTE\_YOUR\_KEY\_HERE

</**string**>

</**resources**>

**package** com.example.archana.a31\_googlemap\_gps;

**import** android.Manifest;

**import** android.content.Context;

**import** android.content.pm.PackageManager;

**import** android.location.Location;

**import** android.location.LocationListener;

**import** android.location.LocationManager;

**import** android.support.v4.app.ActivityCompat;

**import** android.support.v4.app.FragmentActivity;

**import** android.os.Bundle;

**import** android.widget.Toast;

**import** com.google.android.gms.maps.CameraUpdateFactory;

**import** com.google.android.gms.maps.GoogleMap;

**import** com.google.android.gms.maps.OnMapReadyCallback;

**import** com.google.android.gms.maps.SupportMapFragment;

**import** com.google.android.gms.maps.model.LatLng;

**import** com.google.android.gms.maps.model.MarkerOptions;

**public class** MapsActivity **extends**

FragmentActivity **implements**

OnMapReadyCallback,

LocationListener {

**protected** LocationManager **locationManager**;

**private** GoogleMap **mMap**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_maps***);

*// Obtain the SupportMapFragment and get notified when the map is ready to be used.*

SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager()

.findFragmentById(R.id.***map***);

mapFragment.getMapAsync(**this**);

**locationManager** = (LocationManager) getSystemService(Context.***LOCATION\_SERVICE***);

**if** (ActivityCompat.*checkSelfPermission*(**this**, Manifest.permission.***ACCESS\_FINE\_LOCATION***) != PackageManager.***PERMISSION\_GRANTED*** && ActivityCompat.*checkSelfPermission*(**this**, Manifest.permission.***ACCESS\_COARSE\_LOCATION***) != PackageManager.***PERMISSION\_GRANTED***) {

*//* ***TODO: Consider calling***

*// ActivityCompat#requestPermissions*

*// here to request the missing permissions, and then overriding*

*// public void onRequestPermissionsResult(int requestCode, String[] permissions,*

*// int[] grantResults)*

*// to handle the case where the user grants the permission. See the documentation*

*// for ActivityCompat#requestPermissions for more details.*

**return**;

}

**locationManager**.requestLocationUpdates(LocationManager.***GPS\_PROVIDER***, 1000, 0, **this**);

}

*/\*\**

*\* Manipulates the map once available.*

*\* This callback is triggered when the map is ready to be used.*

*\* This is where we can add markers or lines, add listeners or move the camera. In this case,*

*\* we just add a marker near Sydney, Australia.*

*\* If Google Play services is not installed on the device, the user will be prompted to install*

*\* it inside the SupportMapFragment. This method will only be triggered once the user has*

*\* installed Google Play services and returned to the app.*

*\*/*

@Override

**public void** onMapReady(GoogleMap googleMap) {

**mMap** = googleMap;

Toast.*makeText*(**this**, **"OnMapReady"**, Toast.***LENGTH\_SHORT***).show();

LatLng home = **new** LatLng(11.0168,

76.9558);

**float** zoomLevel = (**float**) 5.0;

**mMap**.addMarker(**new** MarkerOptions().position(home).title(**"You are at here!!!"**));

**mMap**.moveCamera(CameraUpdateFactory.*newLatLngZoom*(home, zoomLevel));

}

@Override

**public void** onLocationChanged(Location location) {

LatLng home = **new** LatLng

(location.getLatitude(),

location.getLongitude());

**float** zoomLevel = (**float**) 5.0;

**mMap**.addMarker

(**new** MarkerOptions().position(home).title(**"You are at here now!!!"**));

**mMap**.moveCamera(CameraUpdateFactory.*newLatLngZoom*(home, zoomLevel));

}

@Override

**public void** onStatusChanged(String s, **int** i, Bundle bundle) {

}

@Override

**public void** onProviderEnabled(String s) {

}

@Override

**public void** onProviderDisabled(String s) {

}

}