Guia 28: Google Maps Agregando Rutas

1. Modificar el anterior proyecto.
2. Modificar la clase MapsActivity.java (Modificando Pines)

**package** mobile.calyr.com.mapa;

**import** android.os.Bundle;

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

**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.BitmapDescriptorFactory;

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

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

**public class** MapsActivity **extends** FragmentActivity **implements** OnMapReadyCallback {

**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**);

}

*/\*\**

*\* 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;

*// Add a marker in Sydney and move the camera*

LatLng sydney = **new** LatLng(-34, 151);

*//mMap.addMarker(new MarkerOptions().position(sydney).title("Marker in Sydney"));*

**mMap**.moveCamera(CameraUpdateFactory.*newLatLng*(sydney));

MarkerOptions markerend = **new** MarkerOptions().position(

sydney).title(**"Titulo"**).snippet(**"Subtitulo"**);

*// Changing marker icon*

markerend.icon(BitmapDescriptorFactory

.*defaultMarker*(BitmapDescriptorFactory.***HUE\_CYAN***));

*// adding marker*

**mMap**.addMarker(markerend);

}

}

3. Agregando Lineas

**package** mobile.calyr.com.mapa;

**import** android.os.Bundle;

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

**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.BitmapDescriptorFactory;

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

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

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

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

**public class** MapsActivity **extends** FragmentActivity **implements** OnMapReadyCallback {

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

@Override

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

**super**.onCreate(savedInstanceState);

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

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

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*\* 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;

*// Add a marker in Sydney and move the camera*

LatLng sydney = **new** LatLng(-33.919669, 151.228165);

*//mMap.addMarker(new MarkerOptions().position(sydney).title("Marker in Sydney"));*

**mMap**.moveCamera(CameraUpdateFactory.*newLatLng*(sydney));

MarkerOptions markerend = **new** MarkerOptions().position(

sydney).title(**"Titulo"**).snippet(**"Subtitulo"**);

*// Changing marker icon*

markerend.icon(BitmapDescriptorFactory

.*defaultMarker*(BitmapDescriptorFactory.***HUE\_CYAN***));

*// adding marker*

**mMap**.addMarker(markerend);

*// Add lines*

**mMap**.addPolyline(**new** PolylineOptions().geodesic(**true**)

.add(sydney) *// Sydney*

.add(**new** LatLng(-33.919953, 151.230328)) *// Fiji*

.add(**new** LatLng(-33.920578, 151.230214)) *// Hawaii*

);

}

}

5. Ejecutar el proyecto.

6. Modificando el zoom

**package** mobile.calyr.com.mapa;

**import** android.os.Bundle;

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

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

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

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

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

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

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**mMap**.moveCamera(CameraUpdateFactory.*newLatLng*(sydney));

MarkerOptions markerend = **new** MarkerOptions().position(

sydney).title(**"Titulo"**).snippet(**"Subtitulo"**);

*// Changing marker icon*

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**mMap**.addMarker(markerend);

*// Add lines*

**mMap**.addPolyline(**new** PolylineOptions().geodesic(**true**)

.add(sydney) *// Sydney*

.add(**new** LatLng(-33.919953, 151.230328)) *// Fiji*

.add(**new** LatLng(-33.920578, 151.230214)) *// Hawaii*

);

CameraPosition cameraPosition = **new** CameraPosition.Builder()

.target(sydney).zoom(16).build();

**mMap**.animateCamera(CameraUpdateFactory

.*newCameraPosition*(cameraPosition));

}

}