package com.example.containmentzone\_alert.activities;

import androidx.fragment.app.FragmentActivity;

import android.content.Intent;

import android.graphics.Color;

import android.os.Bundle;

import com.example.containmentzone\_alert.R;

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;

import com.google.android.gms.maps.model.Polygon;

import com.google.android.gms.maps.model.PolygonOptions;

public class MatchedLocationsMapsActivity extends FragmentActivity implements OnMapReadyCallback {

private GoogleMap mMap;

private double blLatitude, blLongitude;

// intent value keys

private static final String BL\_LATITUDE\_KEY = "maps-blLatitude";

private static final String BL\_LONGITUDE\_KEY = "maps-blLongitude";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

// fetch latitude, longitude

fetchLatLng();

setContentView(R.layout.activity\_location\_show\_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);

}

private void fetchLatLng() {

this.blLatitude = getIntent().getDoubleExtra(BL\_LATITUDE\_KEY, 23.8103);

this.blLongitude = getIntent().getDoubleExtra(BL\_LONGITUDE\_KEY, 90.4125);

}

@Override

public void onMapReady(GoogleMap googleMap) {

mMap = googleMap;

// show polygon

PolygonOptions polygonOptions = new PolygonOptions()

.add(

new LatLng(blLatitude, blLongitude),

new LatLng(blLatitude+0.0002, blLongitude),

new LatLng(blLatitude+0.0002, blLongitude+0.0002),

new LatLng(blLatitude, blLongitude+0.0002),

new LatLng(blLatitude, blLongitude)

)

.fillColor(Color.argb(20, 255, 0, 0))

.strokeColor(Color.rgb(255,0,0));

Polygon polygon = mMap.addPolygon(polygonOptions);

/\* Add a marker in Infected Position and move the camera

LatLng infectedPosition = new LatLng(this.latitude, this.longitude);

mMap.addMarker(new MarkerOptions().position(infectedPosition).title("infected point"));\*/

LatLng middlePoint

= new LatLng(this.blLatitude+0.0002, this.blLongitude+0.0002);

mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(middlePoint, 19.0f));

}

public static String getBlLatitudeKey() {

return BL\_LATITUDE\_KEY;

}

public static String getBlLongitudeKey() {

return BL\_LONGITUDE\_KEY;

}

}