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package com.example.geofence;

import android.app.PendingIntent;
import android.content.Context;
import android.content.ContextWrapper;
import android.content.Intent;
import android.widget.Toast;

import com.google.android.gms.common.api.ApiException;
import com.google.android.gms.location.Geofence;
import com.google.android.gms.location.GeofenceStatusCodes;
import com.google.android.gms.location.GeofencingRequest;
import com.google.android.gms.maps.model.LatLng;

public class GeofenceHelper extends ContextWrapper {

    private static final String TAG = "GeofenceHelper";
    PendingIntent pendingIntent;

    public GeofenceHelper(Context base) {
        super(base);
    }

    public GeofencingRequest getGeofencingRequest(Geofence geofence) {
        return new GeofencingRequest.Builder()
            .addGeofence(geofence)
            .setInitialTrigger(GeofencingRequest.INITIAL_TRIGGER_ENTER)
            .build();
    }

    public Geofence getGeofence(String ID, LatLng latLng, float radius, int transitionTypes) {
        return new Geofence.Builder()
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        .setCircularRegion(latLng.latitude, latLng.longitude, radius)

        .setRequestId(ID)

        .setTransitionTypes(transitionTypes)

        .setLoiteringDelay(5000)

        .setExpirationDuration(Geofence.NEVER_EXPIRE)

        .build();
    }

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public PendingIntent getPendingIntent() {
    if (pendingIntent != null) {
        return pendingIntent;
    }

    Intent intent = new Intent(this, GeofenceBroadcastReceiver.class);

    pendingIntent = PendingIntent.getBroadcast(this, 2607, intent,
        PendingIntent.FLAG_IMMUTABLE);

    return pendingIntent;
}

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```

public String getErrorString(Exception e) {
    if (e instanceof ApiException) {
        ApiException apiException = (ApiException) e;
        switch (apiException.getStatusCode()) {
            case GeofenceStatusCodes
                .GEOFENCE_NOT_AVAILABLE:
                return "GEOFENCE_NOT_AVAILABLE";
            case GeofenceStatusCodes
                .GEOFENCE_TOO_MANY_GEOFENCES:
                return "GEOFENCE_TOO_MANY_GEOFENCES";
            case GeofenceStatusCodes
                .GEOFENCE_TOO_MANY_PENDING_INTENTS:

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        return "GEOFENCE_TOO_MANY_PENDING_INTENTS";
    }
}

return e.getLocalisedMessage();
```
