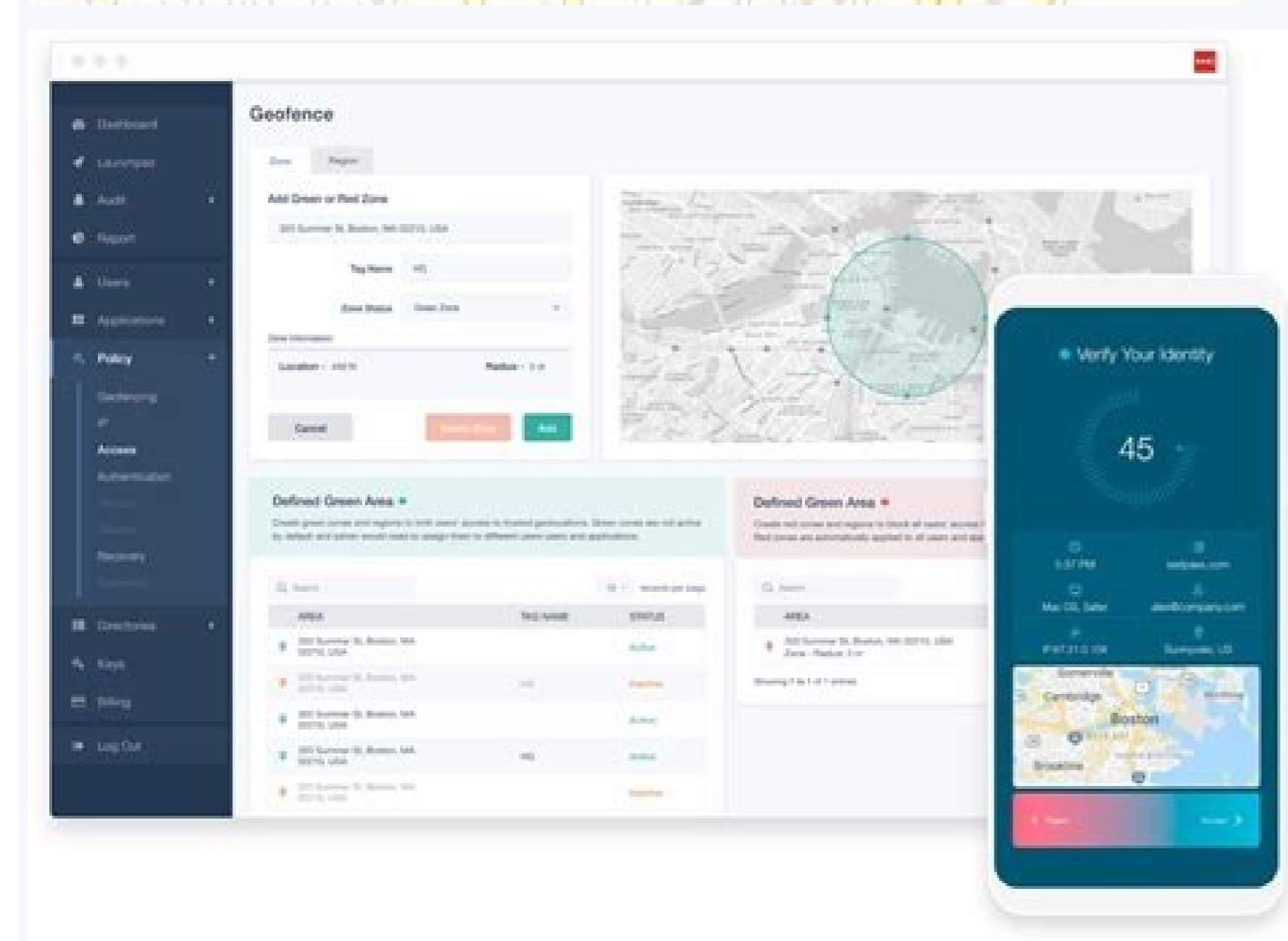
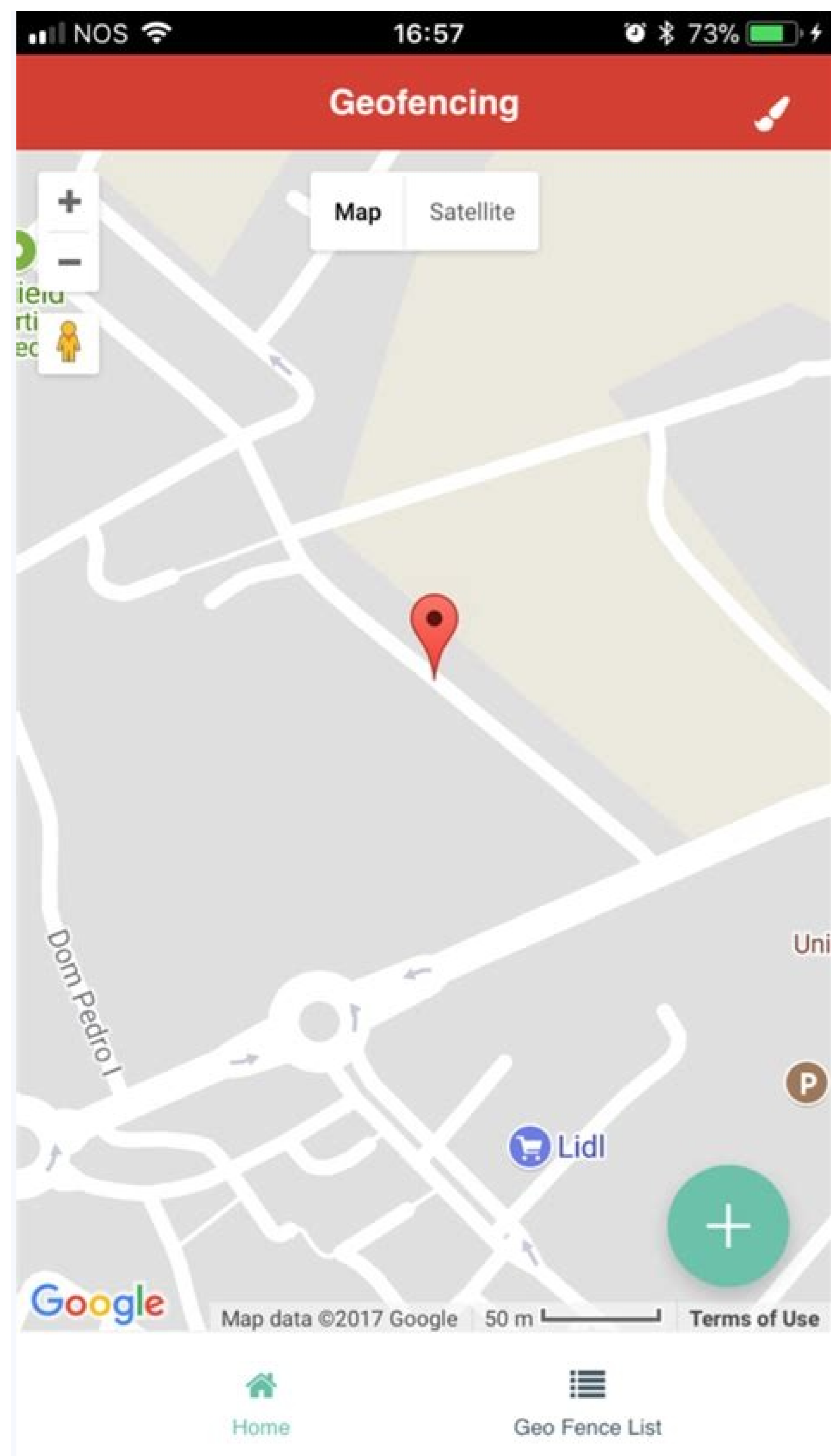


I'm not robot!



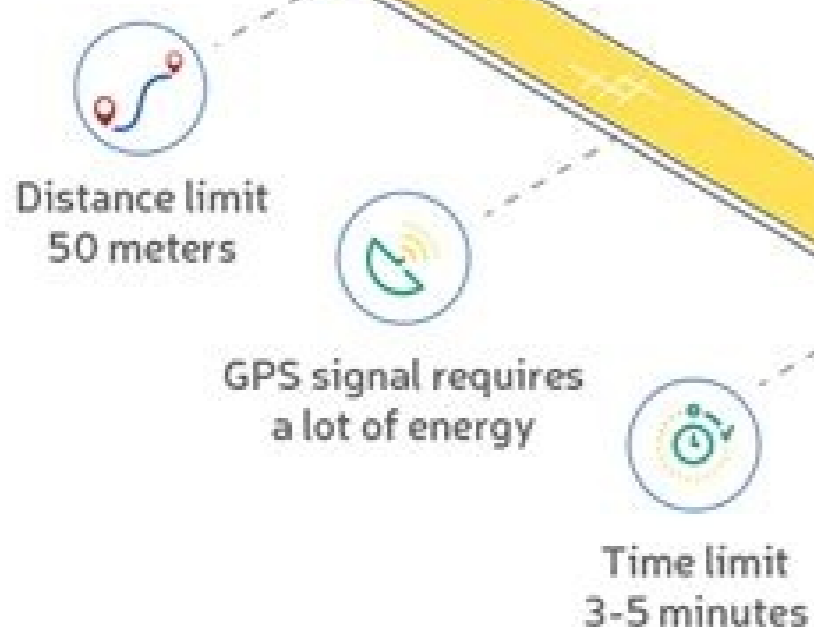


# HOW DOES GEOFENCING WORK?

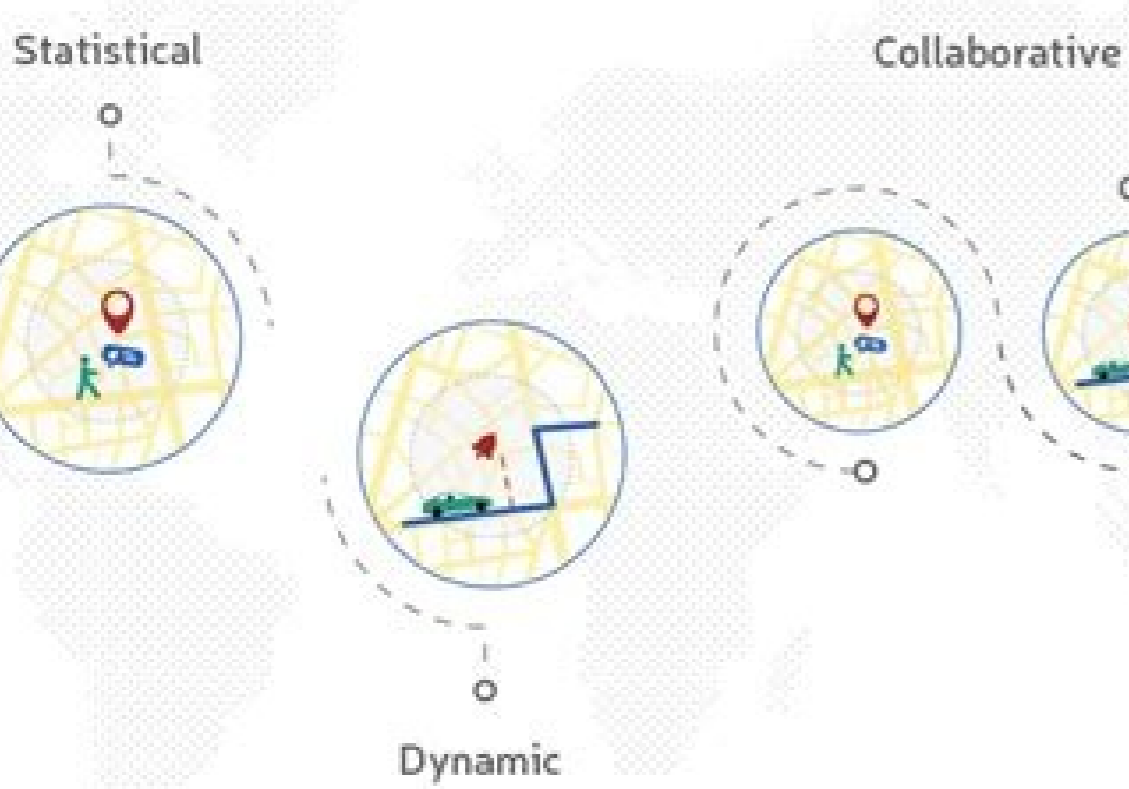
## DATA SOURCES



## LIMITATIONS



## TYPES OF GEOFENCE TECHNOLOGY



## THE PROCESS OF GEOFENCING



Geofencing android example github. Geofencing android tutorial. Geofencing example in android.

Geofences are a powerful tool in a developer's arsenal of location tricks to use on Android. Geofences give devices the power to monitor a circular area in the world, and let the device inform you whenever it enters or exits that area. This has enormous benefits for apps that want to leverage location as a trigger. A retail company could send a special notification to a customer near one of their stores with a special discount to tempt them in. A holiday resort could welcome its customers via its app whenever they enter the resort. With a limit of 100 geofences per device, the possibilities are nearly endless! In this tutorial on geofencing, you'll learn how to use Android's geofencing API to build custom geofences in your very own app called Remind Me There. Let's get to it! Getting Started The project you'll work with, Remind Me There, is an app to create reminders based on geofences. You'll set up custom geofences and messages; then, as you travel into a geofenced area, you'll receive your custom message as a notification on your device. Use the Download materials button at the top or bottom of this tutorial to download the starter project. Once downloaded, open the starter project in Android Studio 3.2 or later. Obtaining a Google Maps API Key Because this app uses Google Maps, you'll need to obtain an API key. Open Google Cloud Platform and create a new project. Feel free to leave the Project Name as is. You won't need the name going forward. Leave the default value for Location. Select APIs & Services Library from the navigation menu. Select Maps SDK for Android. Click Enable, or Manage if already enabled. Click on Credentials, Credentials in the API Manager, Create credentials and then choose API key. Copy your API key value. In your project, open debug/res/values/google\_maps\_api.xml and replace YOUR KEY HERE with the copied value. Note: To release an app to the Google Store, you must create a separate project and, when clicking Create credentials - API key, choose the restriction key. The unrestricted keys are generic and are not limited to certain APIs. Establish this key in version/res/values/google\_maps\_api.xml. You can run the sample project on an Android or emulator device. For the emulator, you will need to ensure that you have an emulator configuration with Google APIs to show map information. When building and executing the application, you will see the following screens: currently, clicking on the botó + you will create the reminder. However, real geofencing is not yet created. You will write to create geofence. Check the project to know the files: MainActivity.kt: Show the reminders on a map. NewReminderActivity.kt: This activity contains the code to create a new

