**Google Maps API**

The google maps API will allow the user to navigate a certain destination and provide an overall better UX for the user. The Google Maps API is a robust tool that can be used to create a map and has other functions planning routes, and live data syncing with the user’s location.

Since we are using an android app, google maps platform has gave us a tutorial on. how to add the maps SDK to our app.

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The code provided by the google maps importing this package, it allows the user to use the map along with a marker to indicate a specific location.

When setting up the development for our android app, we would need to import the tutorial provided by using android studio

* In android studio, select **File > New > Import Project**.
* Go to the location where you saved the Google Maps Android API after downloading it
* Find the **MapWithMarker** project at this location:



* Select the project directory and click **OK**.

In order to access the necessary APIs, we would need to retrieve a API key

* Go to the **APIs & Services > Credentials**page.
* On the **Credentials** page, click **Create credentials > API key**.  
  The **API key created** dialog displays your newly created API key.

We can then add the API key to our app

* Open the **local.properties** in your project level directory and add the following code:



* Graphical user interface, text, application, email

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* in your AndroidManifest.xml, add this code:

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