Graduate Student Research Assignment

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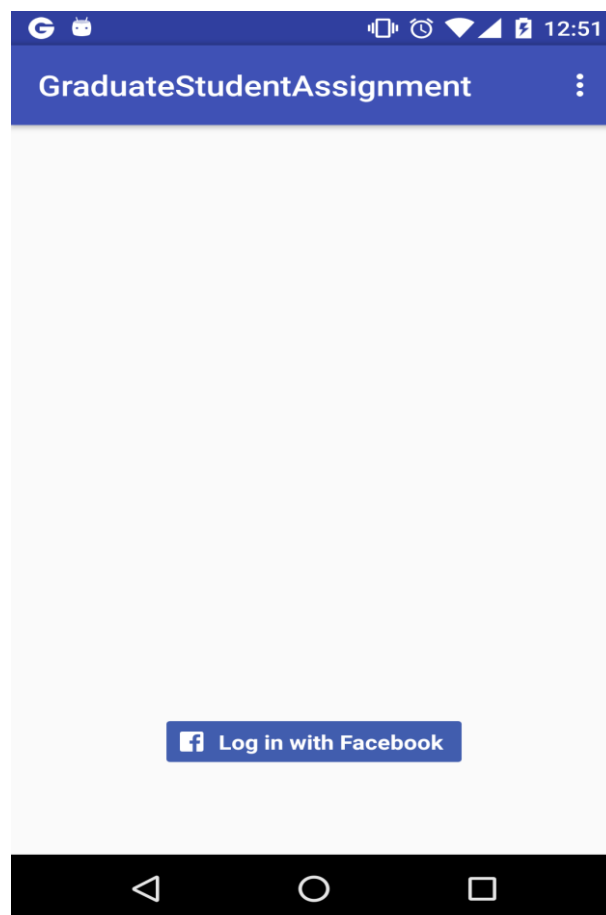Prerequisites - Google Play Services must be installed on the Device.

Goal - The goal of this application is to display Users Facebook information and perform various activities on Google maps that is embedded into the application.

Application Demo URL –
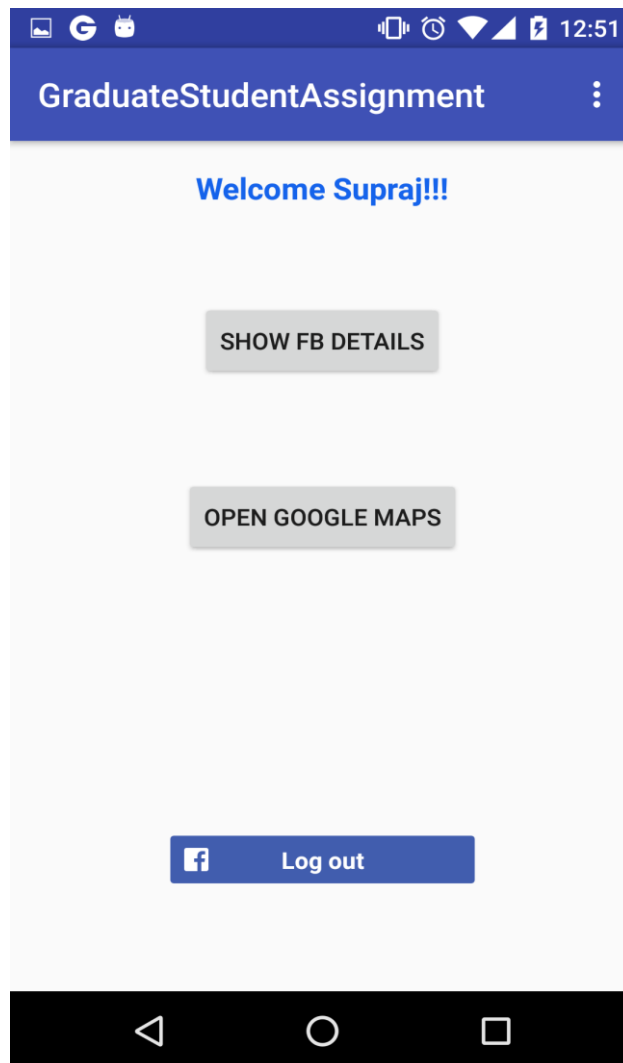
https://www.youtube.com/watch?v=NmjI1Ud2hIY

Description –

To access the application one must login into the application using Facebook.
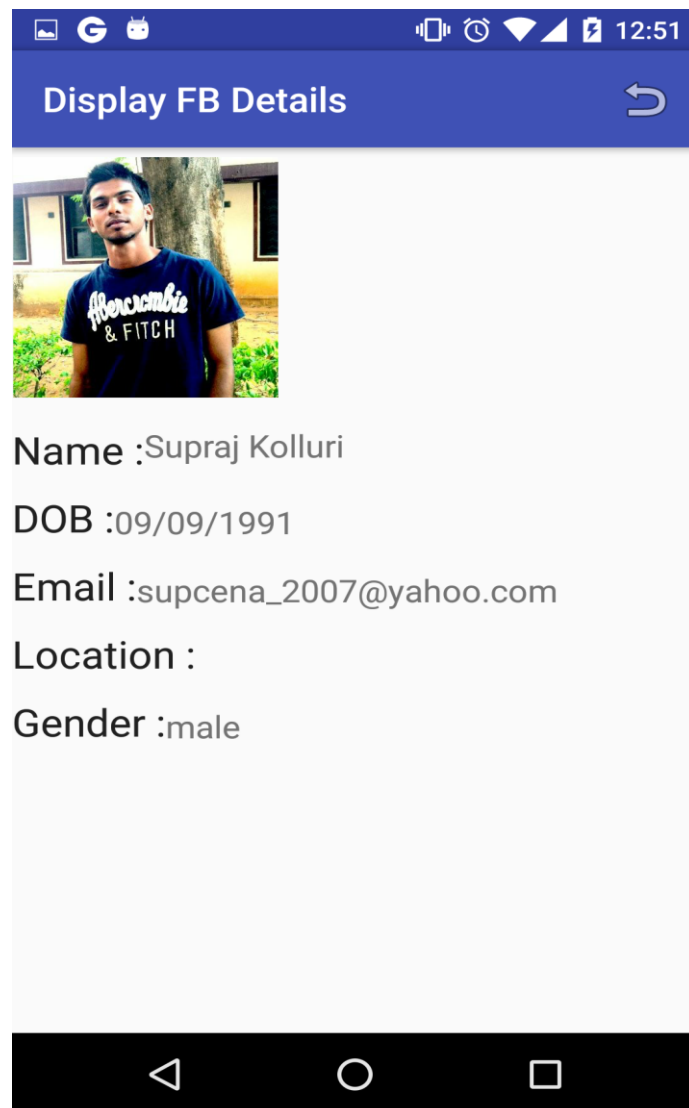
Once the user is logged in, he/she will see 2 buttons. One, to display Facebook information and the other to open google maps.

On hitting the 'Show FB DETAILS' button, the user will see a screen which displays the users Profile Picture, Name, Date of birth, email address, Location and their Gender.

All this information is pulled from the Facebook's Graph API by making an async request to it. Please note this information will only be visible if it is specified in the users Facebook profile and the visibility is set to public.
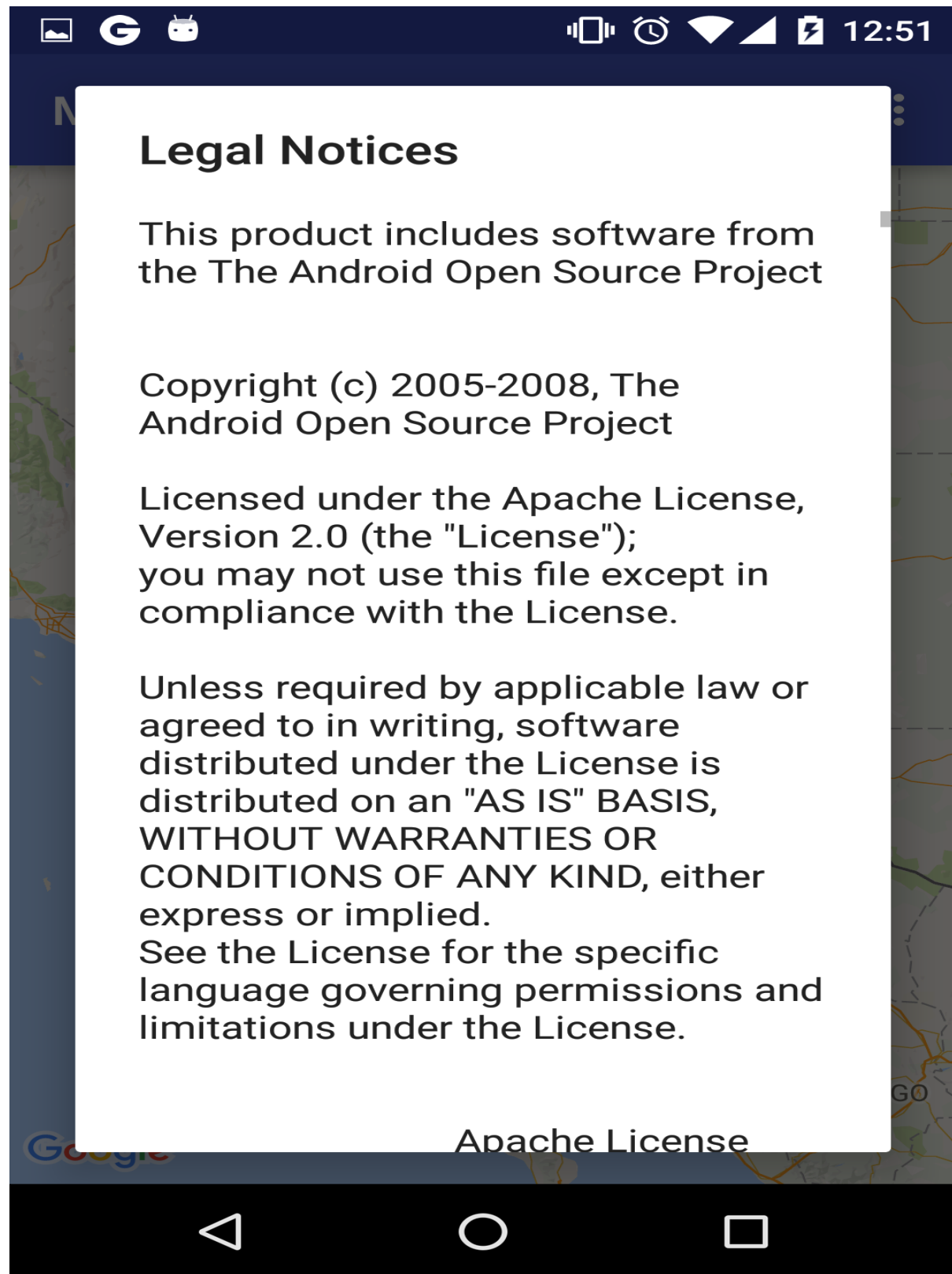
On clicking the second button 'Open Google Maps', the user will see google maps that is embedded into the application.
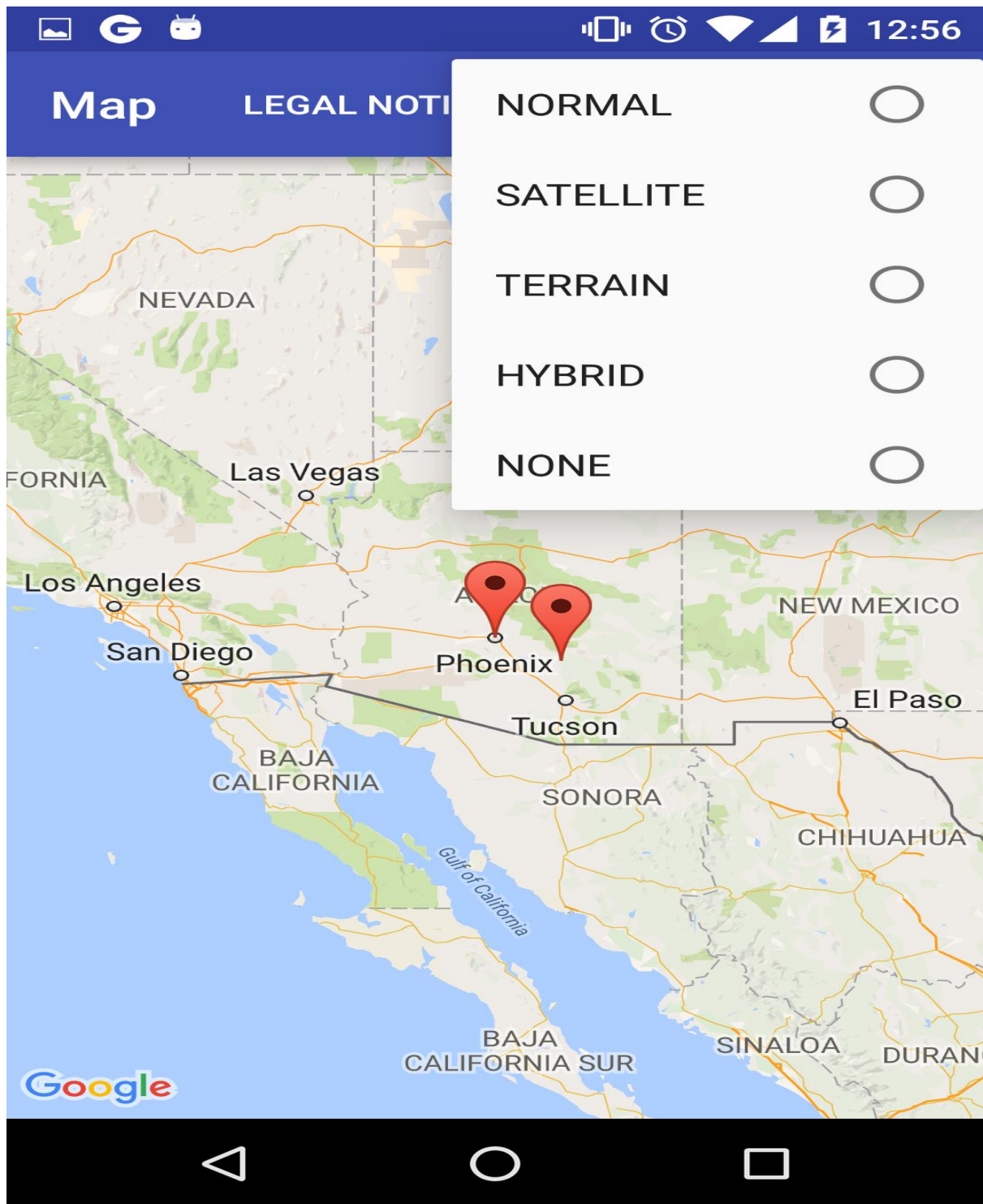The screen will we consist a marker that is pointed to Tempe by default.

It is mandatory to include Google Play Services attrition text as part of a 'Legal Notice' if we include Google Maps Android API in the application.

The user will be able to switch between various Maps types (Normal, Satellite, Terrain, Hybrid), by selecting the grouped menu button on the top right section of the screen.
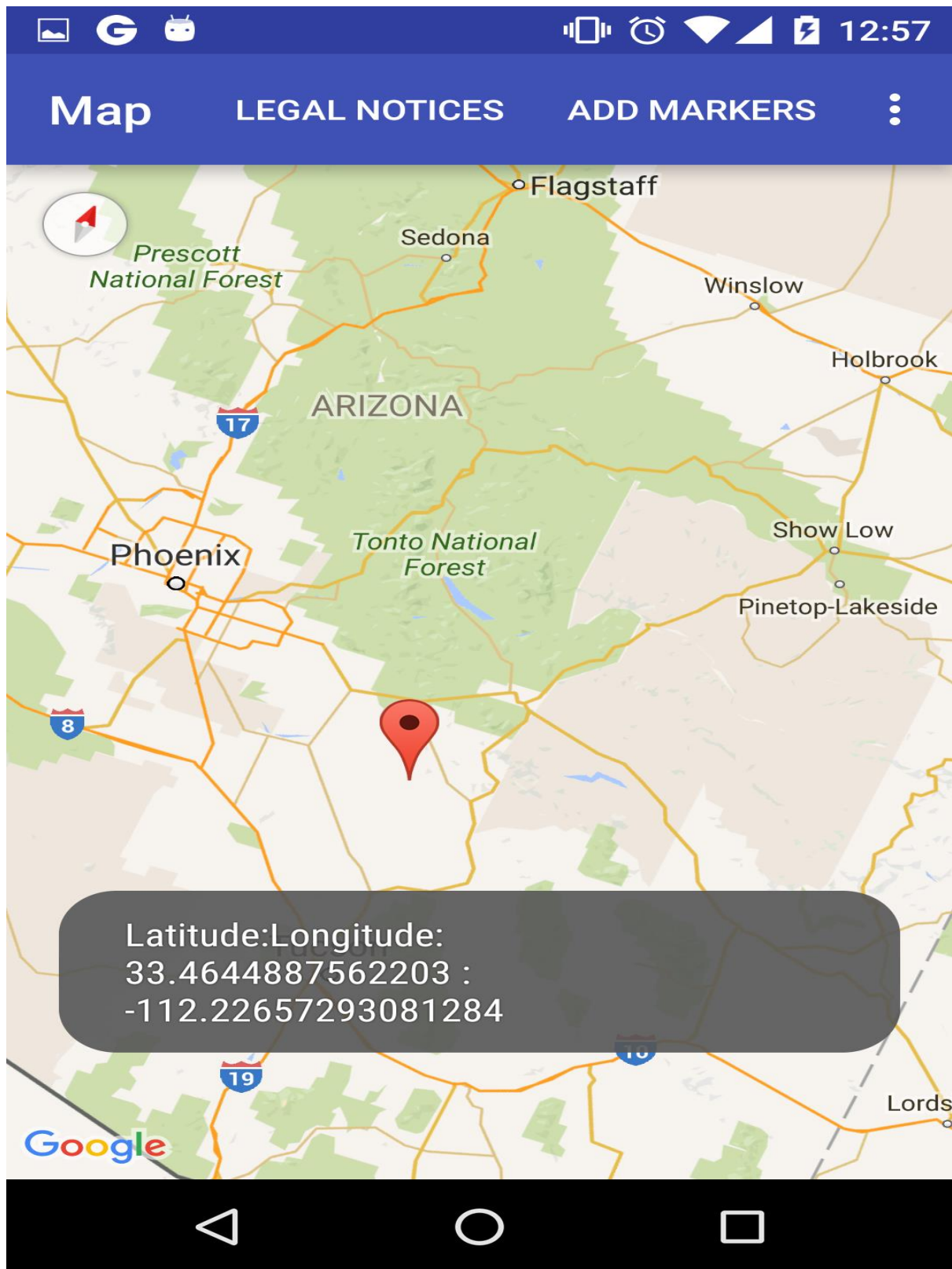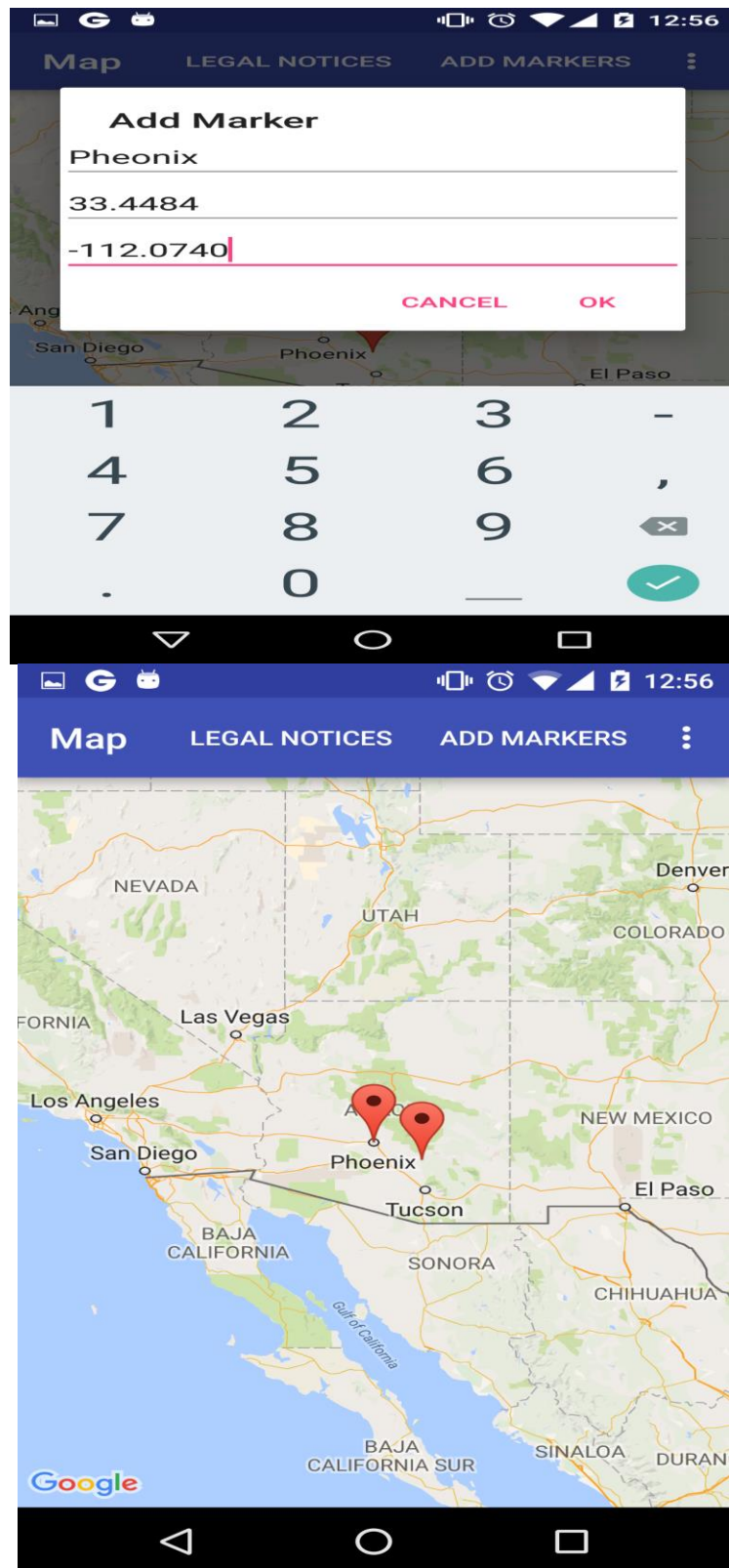
Satellite View –
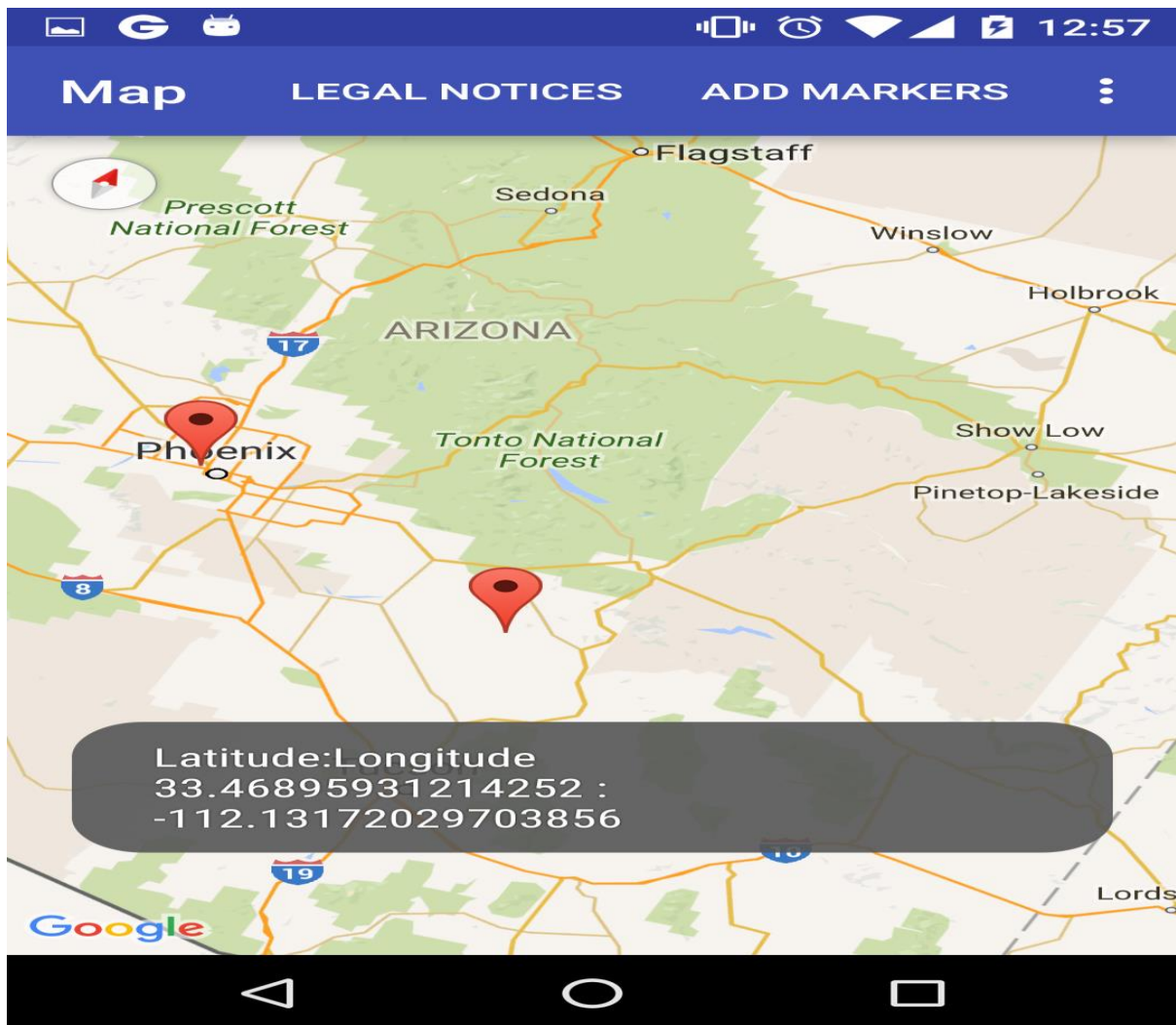

Terrain View –

Hybrid View –

The user can also view the latitude, longitude coordinates of any location on the map by clicking on the location.

Additionally, the user will be able to add markers on the map in two ways. First, the user can click on the 'ADD MARKER' and specify the latitude, longitude for the location.

Second, the user can add a marker by going to the location on the map and clicking on the Map for a long duration.

References –

1) https://developers.facebook.com/docs/android/getting-started/
2) https://developers.facebook.com/docs/android/graph
3) https://developers.google.com/maps/documentation/android-api/
4) http://android-er.blogspot.com/