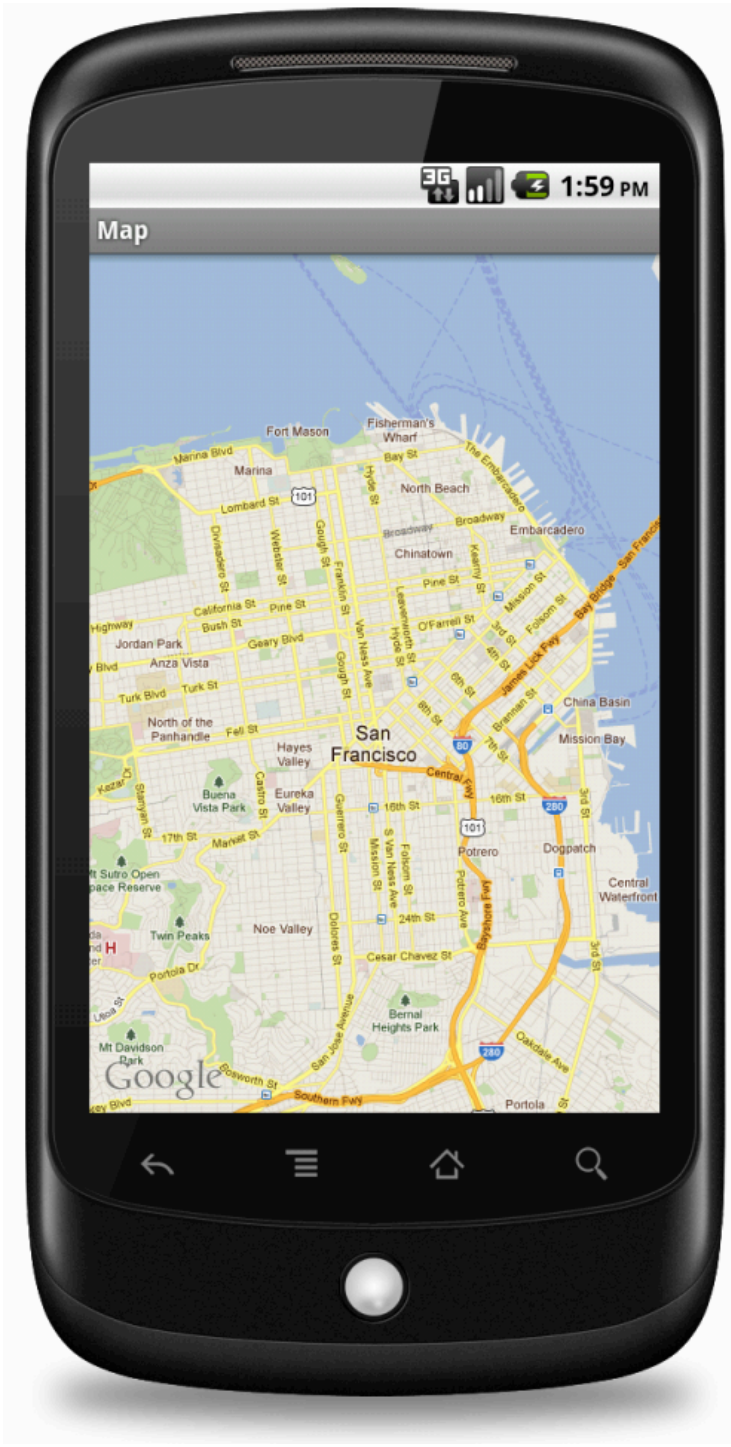
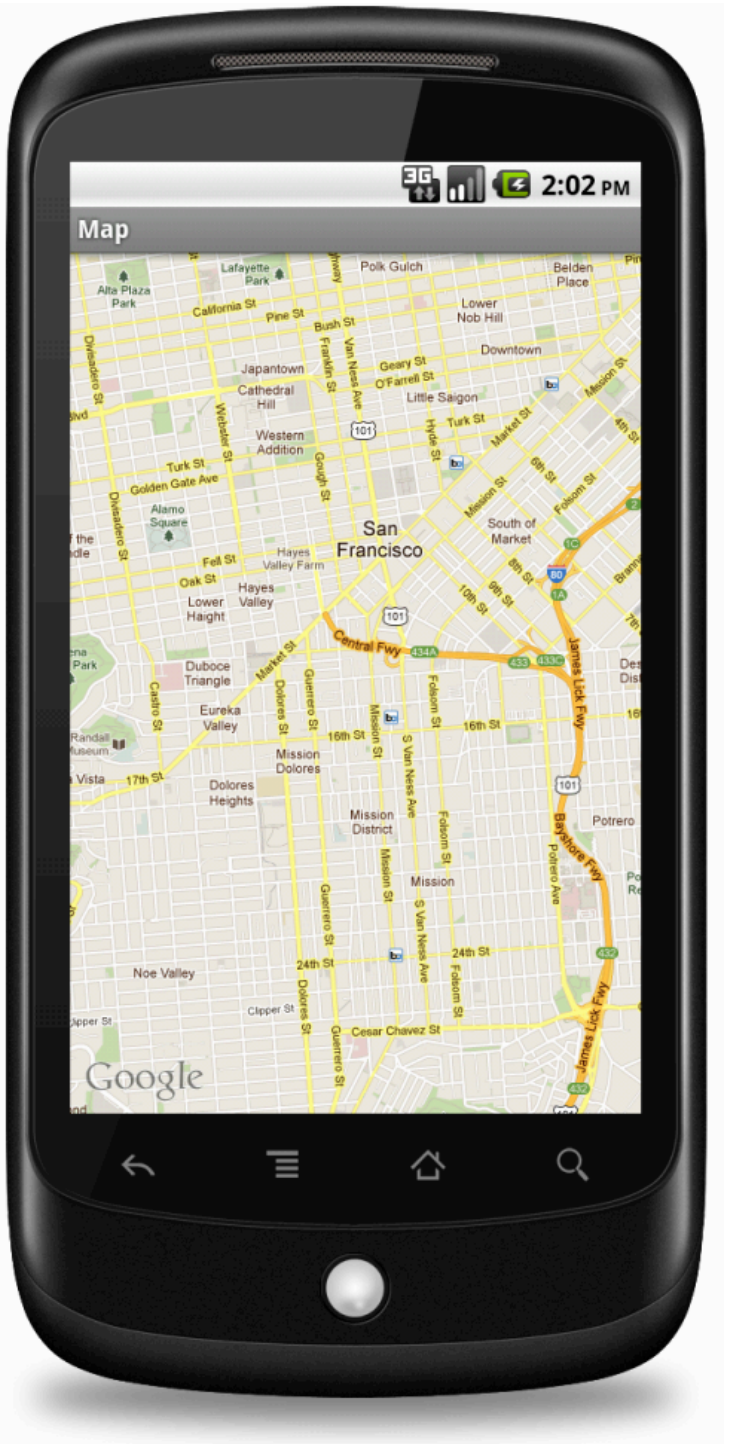
Android - Map

- This application is uses Google API to display map of San Francisco
- Google API offers `MapFragment` to show a map within a fragment
- Every application that uses Google Maps API has to
  - Register with Google
  - Obtain a Map API Key
  - Include the key in a meta-data section of AndroidManifest.xml
- `GoogleMap`
  - Provides access to the Google Maps API to manipulate and work with Google Maps data
- `CameraUpdate`
  - Used to manipulate certain aspects of a GoogleMap (e.g., zoom level, or center of the map in terms of longitude/latitude)


1:59 PM
Map
San Francisco
Fort Mason
Fisherman's Wharf
Marina
North Beach
Chinatown
Embarcadero
Jordan Park
Anza Vista
North of the Panhandle
Hayes Valley
Buena Vista Park
Eureka Valley
Potrero
Dogpatch
China Basin
Mission Bay
Central Waterfront
Noe Valley
Twin Peaks
Bernal Heights Park
Mt Davidson Park
Portola
Google


2:02 PM
Map
San Francisco
Polk Gulch
Lower Nob Hill
Downtown
Japantown
Cathedral Hill
Little Saigon
Western Addition
Alamo Square
Hayes Valley Farm
Lower Haight
Hayes Valley
South of Market
Duboce Triangle
Eureka Valley
Mission Dolores
Dolores Heights
Mission District
Mission
Potrero
Noe Valley
Google

References:

- Google Maps API overview
- Google Developer console
- MapFragment
- GoogleMap
- CameraUpdate

Exercise

- Change the hardcoded longitude/latitude coordinates so that the map shows downtown Manhattan in New York City.
- Also show a marker at those coordinates
  - (hint: https://developers.google.com/maps/documentation/android/marker)