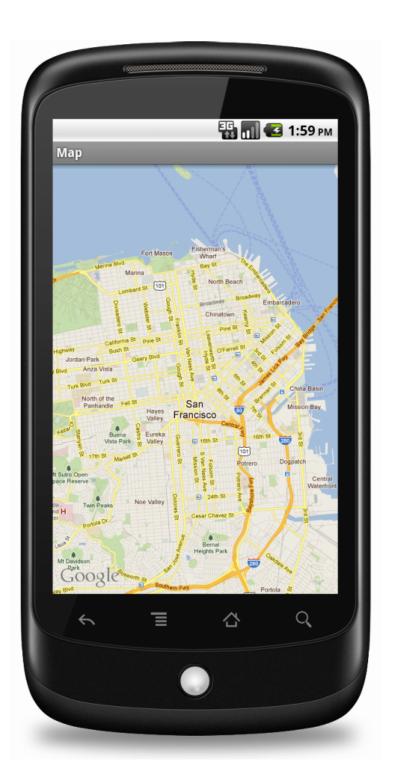
Android - Map

- This application is uses Google API to display map of San Francisco
- Google API offers its own MapActivity and the application has to be derived from it
- Every application that uses Google Maps API has to
 - Register with Google
 - Obtain a Map API Key
 - Include the key in android: apiKey attribute of the layout resource
- MapView
 - acts as a wrapper around the Google Maps API to manipulate and work with Google Maps data
- setBuiltInZoomControls()
 - Used to retrieve the built in ZoomControls object from MapView

- GeoPoint
 - Represents a pair of latitude and longitude
- MapController
 - Used to set view location and zooming
- In AndroidManifest.xml
 - Permissions have to be declared :
 - INTERNET
 - To access internet and retrieve Gogle Maps tiles
 - ACCESS FINE LOCATION
 - - Because we are using Google Maps library





References:

- Maps API key
- GeoPoint
- Location and Maps
- MapView
- MapController

Exercise

- Change the hardcoded langitude/latitude coordinates so that the map shows downtown Manhattan in New York City.
- Also show a pin at those coordinates
 - (hint: http://developer.android.
 http://developer.android.
 com/resources/tutorials/views/hello-mapview.html)