

EE 461L Android HW: Bryan Yao, John Luo
Github link: <https://github.com/l-b-r/Homework4>

Bonus Features:

First 5%: Returning other info from Geocoder

We take the nearest address and display the Locality, Administrative Area, Country Code, and Postal Code (if available) when the marker is clicked. We did so by calling getting this information from the Addresses the Geocoder returned. We learned how to do so from these links <https://developer.android.com/reference/android/location/Geocoder.html> and <https://developer.android.com/reference/android/location/Address.html>.

Other 15%

5%: Input Latitude, Longitude

The user can also input coordinates instead of an address or location. The info from the first bonus part will still be displayed when the marker is clicked. This means that the user can know where the location of those coordinates are. This was a matter of just parsing and identifying the type of information the user inputted string contained.

5%: Adjust zoom

The user can add a last argument: "Zoom:x" where x is an integer to zoom. Higher integers will mean more zooming in and lower will be more zoomed out. This means the user can look at the map close up or from further out; the map can still be zoomed in by double tapping/clicking. Information on how to do this was taken from <https://developers.google.com/maps/documentation/android-api/views>.

5%: Animate camera/display at lower angle

The user can add a last argument: "Animate:x" where x is a string. If x is "True", the map will be displayed from an angle and animated when displayed. This allows the user to be able to see buildings and such. The zoom on this is pre-set, so this is incompatible with the previous zoom function. Information for this was also taken from <https://developers.google.com/maps/documentation/android-api/views>.