Bonus features

1. 5% Viewport Biased Search – When looking up addresses, the app will now look for matches within the current map view first. To implement this we retrieved a LatLngBounds object from the main GoogleMap and added the “bounds” variable to the geocode url using the retrieved data.
2. 5% Reverse Geocoding Address Lookup – If the user does a long press on the map, it will drop a marker on the location with the closest address as a label. To add this feature we implemented the OnMapLongClickListener interface. The onMapLongClick event passes latitude and longitude coordinates that were sent to the geocode url to return an address that was added to the map marker.
3. 5% What’s my address? – If the user presses the “Me” button, it will drop a marker where the location services detects the device to be and zoom to the relevant location. To implement this we added a new button in the xml and used the LocationManager and Location classes to get the latitude and longitude of the device, which are used with reverse geocoding to get the address.