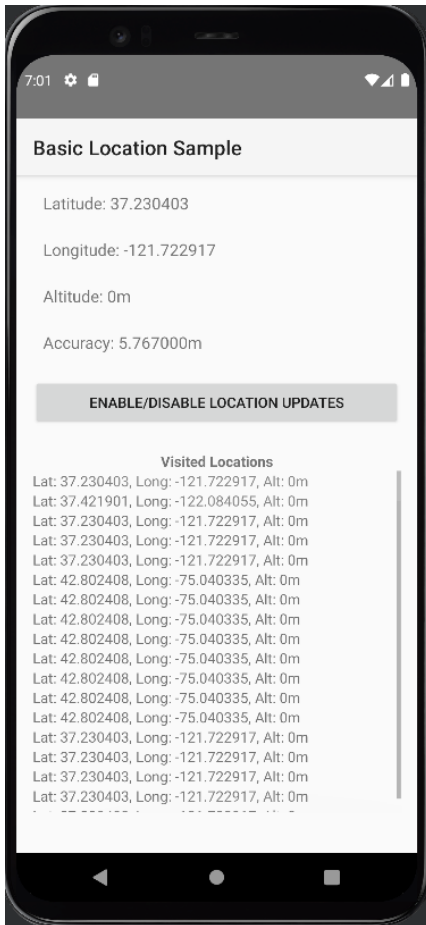


Lab 7: Localization Report

Stuart Harley



In this lab we started with a with a github codebase that displayed latitude and longitude of the current location. I added displays for the altitude and accuracy corresponding to the same location data. I also added a button that would constantly add the currently location to a visible list at a regular interval. Hitting the button again would stop the updates.

In order to set up the constant location updates, I had to create an instance of the FusedLocationClient. I then had to create a LocationRequest object that would request the location on an interval and set a callback function for to be run on each interval that would grab the location and update the displays and table.

One annoyance of this lab is that the original codebase only used COARSE_LOCATION permissions which causes the location data to be more inaccurate. While the FusedLocationClient needs FINE_LOCATION permissions, so I had to switch all the permissions to FINE in order for this to work.