Kevin Venalainen - Gavin Servai - Calvin Chan - Michael Sargent

#2453103 -

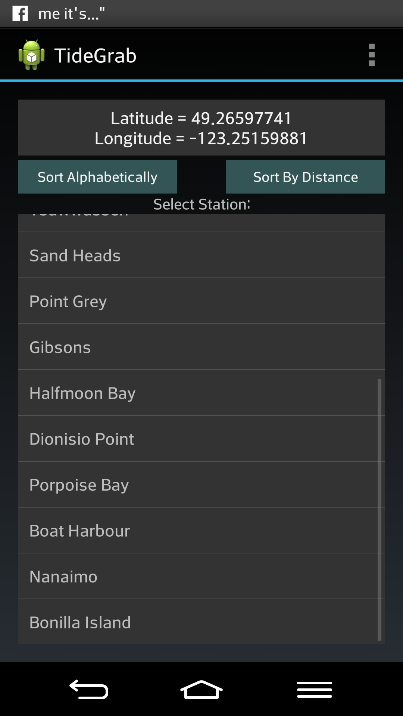
TideGRab

Tide Display for Android

# Code:

All code can be found on the team’s GitHub at: <https://github.com/Kjven/eece310_app>  
  
Summary:

Our project is an Android app which enables the user to easily see the tide heights for stations around their location. When the app is opened the user is greeted with a page displaying their current location and a list of stations. The user can then select a station, sort the list by closest location, or sort the list alphabetically. See figure below for screenshot.



Once the user selects a station, the tide heights are displayed as a sine wave on a liner plot. The user can scroll and zoom this plot to get more accurate info. Tide data for up to 5 days is cached in the event of a bad internet connection. Originally, we planned to display the tide height in a radial plot, however due to licensing concerns we had to change to the linear view.  
  
Deliverables:

Deliverables for this project are simple, just the android app itself. It is local to our PCs and must be run in development mode as we haven’t released to the general market.

# Development Summary:

We used GitHub for source control, with each developer working in their own branch which was then merged with master. Git is difficult to use for new users so we had some issues which resulted in merge conflicts. In future, we need to do more stringent origin fetches and rebases. Towards the end of the project, we all sorted out the Git issues and were able to use it with more success.