CSCE 315-501 Team 9

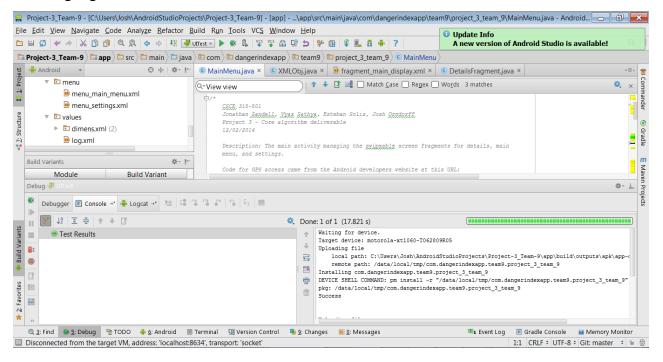
Project 3 – Android App

Jonathan Sandell, Vyas Sathya, Esteban Solis, Josh Orndorff

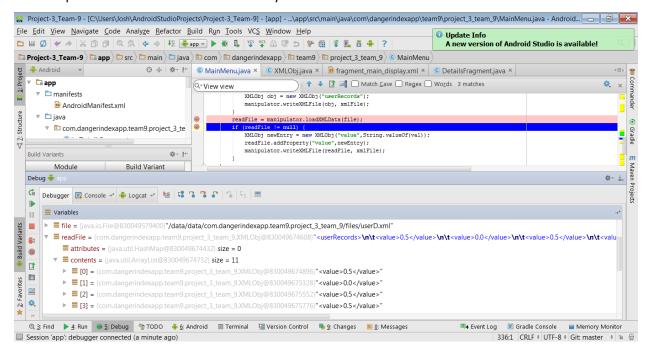
Brief report on Test-Driven Development

12/02/2014

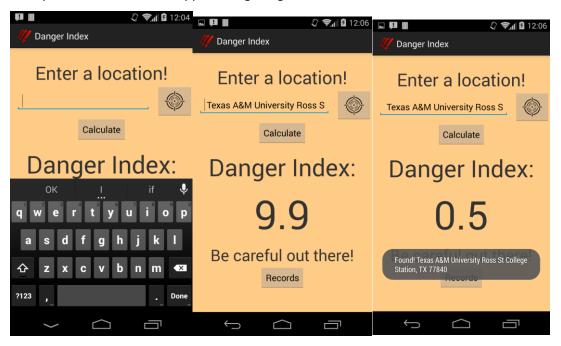
To pursue the goal of test-driven development for this deliverable, we kept our MainMenuTest class and adapted it to add tests for significant functionality as the project progressed. During this process, we worked more to develop tests before implementing features, though in some cases this was not achieved or tests had to be modified after a function was further implemented. Adding to our previous tests, we ended up with tests for loading GPS coordinates from the current location, getting data from a location entered as a string, operations on XML objects (including converting to a string, saving and then reloading), retrieval and reading of data from an API, and moving to a new activity. A screenshot of the tests succeeding is given below:



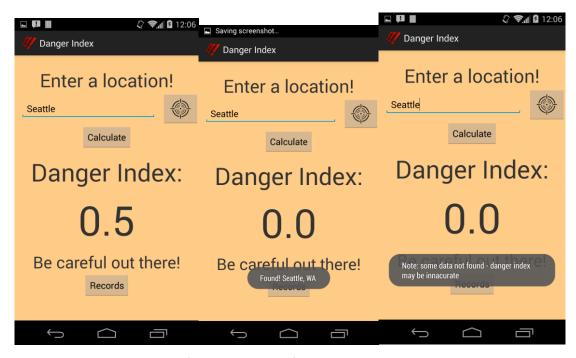
Also, because the UI is not fully integrated with the algorithm code and file saving, there is no way to view the successful saving and reading of data in the app itself yet. Thus, we include a screenshot below at a breakpoint where the file has successfully been read:



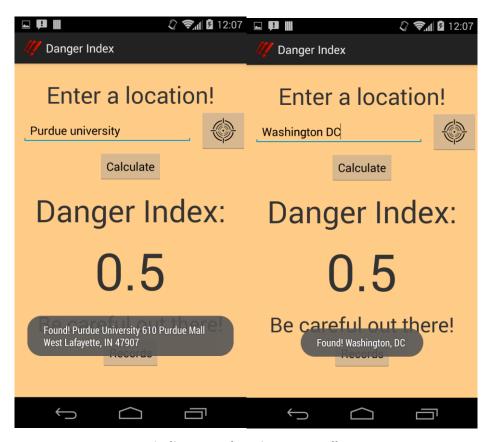
Further example screenshots of the app working are given below:



App on initial load, after pressing pinpoint button to get current location, after pressing calculate to get danger index



Manually entering a location, finding location after pressing calculate, warning message about missing data



Finding more locations manually