

Post Production Notes – Danger Index App

Design Changes:

- We were initially were going to use air weather traffic, and we had to throw out traffic because we were unable to find a usable xml source for it.
- We added “About” and “Clear data” options on the screen.
- The graphics that we used for different domains we changed to look more appealing.
- The default danger index used to be a 9.5 but we changed that to hyphens.
- We changed the color of graph from black to red.
- We can pull from a location only once an hour because of the restrictions from the Airnow API.

Difficulties:

- Understanding the Android structure of Java and XML in general.
- Finding good APIS to use online for relevant and usable data.
- Trying to parse the XML files with the complicated structures.
- Learning how use Version Control Management, merging and branching, etc.

Solutions:

- A lot of reading on the Android Structure, Fragments, Activities, referring to the XML files.
- We used API search databases which gave us many options that we could choose from.
- Creating an XML Parser that is easy to use and fits different XML files.
- Always pulling before working on any changes, and commit whenever it was necessary.

Lessons Learned:

- Very hard to get good data sources online.
- It is important to understand the structure a little bit before diving into the code, when introduced to a new language.
- We learned how to incorporate libraries into the app.