**Weekly Journal**

**CS 598 SD II**

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**Feb 7-13**

This week I looked into several APIs for the database. I believe I decided on using AeroAPI. It is full of dynamic data that fits our purposes and is free to use as a basic version, with minimum pulls of data. If we end up needing it for a large number of users, we can upgrade it accordingly.

My task for this upcoming week, aside from moving forward with integrating AeroAPI, is to look into Firebase, which is a developer tool to help build mobile and web apps. If we can reach our goals and stay on schedule, we might be able to showcase a rudimentary app.

We also recently decided to drop having a weather variable for the application. We wanted to keep it, but the difficulty of integrating it in time and having it perform accurately is likely outside of our ability and time constraints right now.

**Feb 21-27**

The past two weeks had us move away from AeroAPI, along with the backup API, as they were no longer feasible to implement and had unknown restrictions. Similar issues arose on the front end, and even with our machine learning. Due to these developments, and general time constraints we all face, we need to consider other options.

We face the hard question of sticking with our original prediction idea or of turning towards implementing a statistical analysis of our data. While we all want to continue on with the project as intended, we need to realistically consider our time constraints and being able to finish a viable product that works to our satisfaction.

On the positive side, I have finished several PostgreSQL tutorials and modules and have a decent aptitude for it now.