

## ASE220 Mid-term Project – Wonder Weather

My project is my take on a weather application. It allows users to dynamically track weather in different cities of their choosing. It includes features such as swapping temperature from Celsius to Fahrenheit, graphs to view the forecast multiple days out, and saving of user data. I also have basic sign-up, login and password reset options created but hidden from the user until they are implemented into a backend.

Throughout the second half of this semester I would like to implement a back-end and work on some features I don't see normally associated with this project. I want to implement user authentication. This would allow users to dynamically acquire their saved preferences and migrate from using jsonblob to using Postgres. I would also like to implement features that allow push notifications to be sent to users. I would like to implement this with a service such as OneSignal.

In an account page I would like to allow the user to add API keys. I would then implement multiple calls from the top 5 most popular push notification services. This would allow users to be notified during extreme weather events. I know plenty of people are impatient such as myself and habitually check the weather every morning when they wake up only for their weather app to not load or load slowly. I would also like to allow the user to set preferences on what times they would be presented with a forecast notification allowing them to see the weather for the day. I would also like to leverage a caching module to allow users to access the last locally saved options in the event of an internet outage.