Team Buff Buddies
Recitation 112 - Team #2
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Jupiter

Description: Jupiter will be a website that allows users to compare current weather conditions and predictions from different locations at the same time. A user can select one or more locations and Jupiter will display the weather at those locations. If the user chooses to enter their address, zip code, or any geographic starting point, Jupiter will supply the user with commute times to each selected location. If the user chooses a leaving time then Jupiter will tell the user the predicted commute time based on average traffic at that time. A user will be able to login into Jupiter and save their location data list of locations to compare. A user will also be able to use Jupiter without logging in, but their comparison list and their location data will not be saved.

Vision Statement: For the discerning traveller, who requires up to date weather conditions at their destination. Jupiter is a weather app that allows users to stay informed on the weather across the globe. Unlike the weather app you get on your phone, Jupiter can assist in planning your route and determining the best place to visit based on weather conditions.

Development Method: In order to maximize our efficiency we will be following an agile style of development. The primary benefit of which will be allowing us to move and update priorities as the project progresses and we come upon further milestones. We will be tracking our progress using Trello: **https://trello.com/b/gy1rv7OX/projectjupiter**, as well as regular pull requests to a shared GitHub repository.

Communication Plan: For direct communication we will be using a text group message, but to keep a list of features and deliverables, we will be using Trello. This online service will allow every member of the group to access the planned list of features and determine the next steps.

Proposed Architecture Plan: We are going to use NodeJS and Express as our backend technologies. NodeJS will be used to create and run our websites backend services such as communicating with API's and serving media to the user. Express is a framework that we can use with NodeJS to streamline our development process. For front end development we will be using bootstrap. Mongo, or some other NoSQL

database will be utilized for managing the data that Jupiter requires, one example will be user accounts, and the data that users produce.

Meeting Plan: In order to maximize our efforts we will be meeting between 12 - 2 pm on Saturdays. Primarily we will attend these meetings in person to streamline communication. Should complications arise, we may reschedule the meeting to Friday, 4 - 6 pm in person, or meet via a group call service such as Discord.