Progress Report

- Increment 1 -

Group #14

1)   Team Members

Name, FSUID, Git Name

James Hondros, jrh16u, jrh16u

Connor Flynn, cjf16e, cflynn0

Ryan Ratkovich, rjr16r, ryanratkovich

Davion Miles, dam16f, alantee

DJ Shotwell, ds16j, DesiDao

2) Project Title and Description

GustBuddy

Gustbuddy will be a functional web application that will deliver a myriad of weather information to the user which can be shared through social media. We are proposing to develop the web app with a variety of APIs and custom algorithms to refine and personalize weather data for users accessing the app.

3) Accomplishments and overall project status during this increment

Each team member dedicated time to learn and understand React, NodeJS, and Javascript; everyone is now able to individually develop code for the project. We established a functioning home page with a graph and table. We have access to the majority of API's needed for the entirety of the project. Our repository is completely organized and every team member is set up with the proper packages, IDEs, and file needed to continue the project.

Challenges, changes in the plan and scope of the project and things that went wrong during this increment

- Setting up each person's computer the appropriate terminal and the create React app.

- The scope of the project was both too small and too large over the course of this increment

- Deciding what tools we needed to use

- Learning JavaScript

- Learning and implementing React-specific packages such as material-ui/core, material-ui/icons, recharts, and the react-router-dom

- Organizing / coordinating times to meet

4) Team Member Contribution for this increment

a) James Hondros – Team Members, project title and description, accomplishments and status, Challenges

Davion Myles - Plans for the next increment

b) Conner Flynn – Overview, Functional Requirements, Non-Functional Requirements, Operating Environment, Assumptions and Dependencies

James Hondros – UML graph

c) Conner Flynn – Non-Execution-based Testing

d) Davion Myles – created all template .js files and implemented home dashboard component

Ryan Ratkovich - Found all API's and researched how to use them/using JSON formatted data. Organized team's GitHub/Git repositories and general flow. Coded an HTML/CSS/JS based template website with BootstrapJS. Contributed to team planning and editing and revision of all deliverables. Created Sequence diagram.

Conner Flynn - Researched and implemented initial react-router-dom functionality for testing Feature links.

e) Each member was responsible for a 1 minute clip, James Hondros - edited video

5) Plans for the next increment

We plan to begin implementing state within the webpage. We will implement functionality of the React-router to manage the state of the application each time the site rerenders. We also plan to implement database support using SQL. The group will continue to add more functionality for various menu buttons throughout the web page. Await and async functions will be created to allow for manipulate of data coming in from our selected API's. We will prioritize algorithm development for data analysis of hurricane information.

6) Link to video

https://youtu.be/bn_nZVcXrMc