

Progress Report

- Increment 2 -

Group #14

1. Team Members

James Hondros, jrh16u, jrh16u
Conner Flynn, cjf16e, cflynn0
Ryan Ratkovich, rjr16r, ryanratkovich
Davion Myles, 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 has continued to progress in the learning of React, NodeJS, and Javascript. After establishing functioning pages we were able to link the pages together in order to provide taskbar functionality, API's are being implemented and managed within these pages. Each team member now has their own development branch.

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

- Continuing to learn JavaScript
- Continuing to learn and implement 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. Progress Report

- i. **James Hondros and Ryan Ratkovich**– Team Members, project title and description, accomplishments and status, Challenges
- ii. **Davion Myles** - Plans for the next increment
- iii. **Conner Flynn** - updated design and organization of document, Description

b. RD Document

- i. **Conner Flynn** – Overview, Functional Requirements, Class and Sequence Diagrams, Operating Environment, Assumptions and Dependencies

- ii. **James Hondros** – UML graph
- c. *IT Document*
 - i. **Conner Flynn** – Added components for items 1, 2. Edited Execution-based Functional Testing, Non-Execution-based Testing. Edited Execution-based Non-Functional Testing
 - ii. **James Hondros** - Execution-based Non-Functional Testing
- d. *Source code*
 - i. **Davion Myles** – created all template .js files and implemented home dashboard component . Implementation of the MERN stack which will be used for our backend. Connecting OpenWeatherAPI to Forecast.JS.
 - ii. **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.
 - iii. **Conner Flynn** - Created the
 - iv. **James Hondros** - Found and manipulated csv files for output data on cover page. Edited Chart.js and HurricaneTable.js to allow output data from csv.
- e. *Video*
 - i. **Each member** was responsible for a 1 minute clip
 - ii. **James Hondros** - edited video

5. Plans for the next increment

We are going to continue to implement state within the different webpages. Connect the back end to the front end of our project. 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. Connecting a few different map APIs to display weather in realtime. Refactoring the code so the system runs more efficiently. Convert Bootstrap template pages to MaterialUI pages.

6. Link to video

<https://youtu.be/gB4EWcpe0TA>