

Release Plan

Team Name: Team DASH

Team Members:

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Tentative Project Title: BMIDashboard

Description: Create a dashboard to visualize and compare the utility data usage for the Monterey Bay National Marine Sanctuary. Dashboard is for exhibitors that visit the sanctuary.

High Level Goals: After retrieving data from the Building Management System, we need to convert data into a readable format. We want to store the data into a database. Lastly, we want to retrieve the data from the database and display.

User Stories for Release:

Sprint 1

Parsing Data - As a developer, I need to convert the data to JSON or CSV or TSV so that I can use visualization tools to showcase values.

- 13 points

Storing into our local database - As a developer, I need to have a database system so I can store data as efficiently as possible.

- 8 points

Establish project functionality - As a developer, I need to display data in a simple manner to the visitor.

- 8 Points

Setup Github - As a developer, I need to setup github repo so that we can efficiently progress.

- 1 Point

Sprint 2

Establish project functionality - As a developer, I need to display data in a simple manner to the visitor.

- 8 Points,

Viewing previous data - As an exhibitor, I need to be able to see energy consumption of previous days so that I can compare different days.

- 8 Points

Communicate with database- As a developer I need to learn PHP/MySQL so that I can connect our database to our web interface, through the use of visualization tools.

- 13 Points

Prepare for live- As a developer I want to simulate live data from past data so that we are prepared to show true live data.

- 5 Points

Live acquisition- As a developer, I need to work on gathering live data from the building management system so that we can show true live data.

- 8 Points

User Manual - As a user, I must be able to read a user manual for the BMI Dashboard

- 3 points

Sprint 3

•Polishing UI - As a developer, I need to polish the display so that it looks appealing

- 5 Points

•Displaying different forms of visual data - As an exhibitor I need to see the data in different visual forms so that I can explore different comparisons for different data

- 8 Points

User Manual - As a user, I must be able to read a user manual for the BMI Dashboard

- 3 points

Testing - As a tester, I need to be able to do software builds and run regression tests.

- 13 points

Product Backlog: If we do not have the database working, then it is hard to accomplish the dashboard display. The visualization is entirely dependent on the parsing and database implementations of our project.