Sprint 4 Plan
Slug Meter
11/21-12/5
Version 1

Goal:

Make the website more interactive and polished.

Tasks:

User Story 1
Total Time: 8
As a student, I want an approximation of how busy the gym will be at any given time so that I can design my gym schedule.

- Allow DB/website to access ML data (**5 hours**)
- Design page for predictive data (**3 hours**)

Acceptance Criteria (Retroactive):

- Be able to view gym occupancy prediction for the rest of today
- Be able to view gym occupancy prediction for any remaining days of the current week
- Be able to view gym occupancy prediction for any day of next week
- Be able to view gym occupancy prediction for any hour of any day of next week

User Story 2
Total Time: 16
As a student or employee, I want a website to navigate so that I may have access to different sources of information about past, present, and future gym occupancy.

- Learn/implement website CSS (**4 hours**)
- Integrate pug and react designs (**10 hours**)
- Add 'about' page and more descriptive info on other pages (**2 hours**)

Acceptance Criteria (Retroactive):

- Access and interact with multiple graphs of current gym occupancy on the website
- View the graph of gym occupancy data for each day of the week on the website
- View the graph of gym occupancy data for each hour of each day of the week on the website
- View the graph of gym occupancy data for the month on the website
- View the graph of gym occupancy prediction for any day of next week
- View the graph of gym occupancy prediction for any hour of any day of next week

User Story 3 (If time permits)
Total Time: 22
As a manager, I would like to view older data (> a week ago) so that I can understand long-term trends in occupancy.

- Design Monthly heat-map chart (**10 hours**)
- Add backend API call for monthly data (**4 hours**)
- Add buttons to the monthly chart to display daily data (**8 hours**)

Acceptance Criteria (Retroactive):

- Be able to query DB through the website
- Be able to get data from a specific period of time
- Be able to view data in an informative graph

Other

Total Time:

- Create Final presentation
- Test Plan and Report
- Release Summary Doc
- Installation Guide

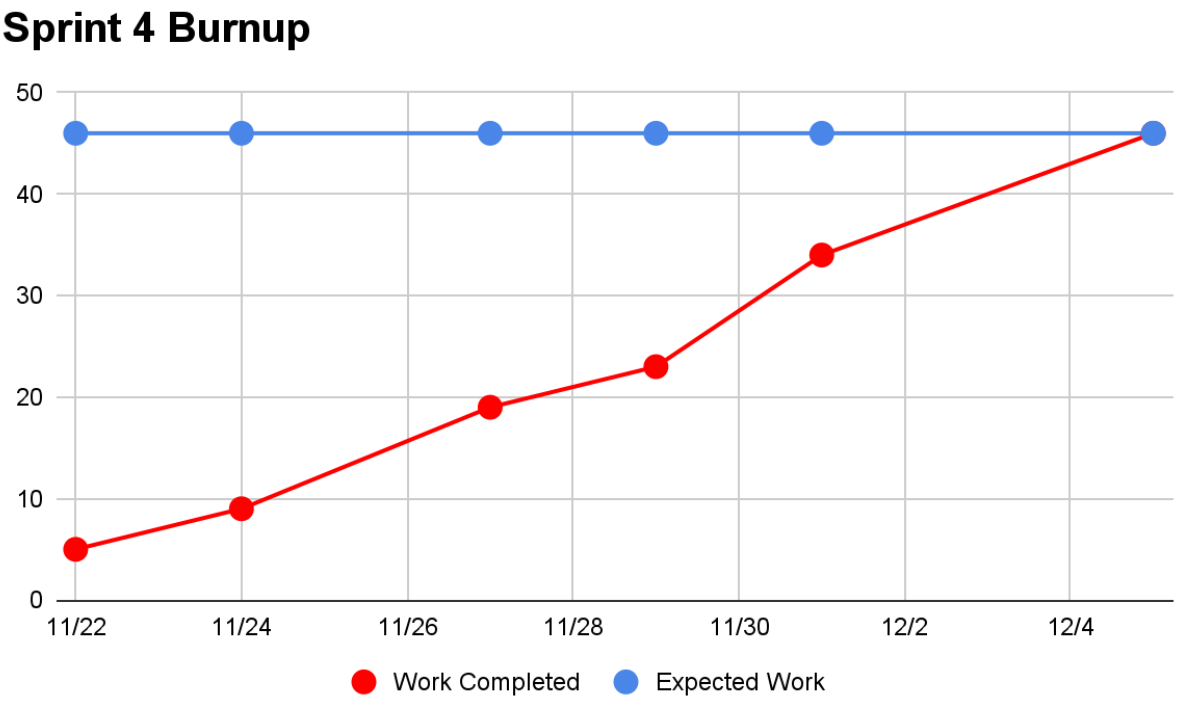
Roles:

Jacob Herman-Marquez	Dev, Product Owner
Dirk Wilson	Dev
Aidan Gilmore	Dev
Arul Bangari	Dev
Joshua Angel	Dev, Scrum Master
Kaito Kudo	Dev

Initial Task:

Jacob Herman-Marquez	• Integrate pug and react designs
Dirk Wilson	• Learn/implement website CSS
Aidan Gilmore	• Integrate pug and react designs
Arul Bangari	• Allow DB/website to access ML data
Joshua Angel	• Allow DB/website to access ML data
Kaito Kudo	• Learn chart.js

Burnup Chart:



Scrum Board:

User Story	To Do	In Progress	Done
As a student, I want an approximation of how busy the gym will be at any given time so that I can design my gym schedule			• Allow DB/website to access ML data • Design page for predictive data **Jacob**
As a student or employee, I want a website to navigate so that I may have access to different sources of information about past, present, and future gym occupancy.			• Learn/implement website CSS • Integrate pug and react designs • Add an 'about' page and more descriptive info on other pages **Dirk/Jacob**

As a manager, I would like to view older data (> a week ago) so that I can understand long-term trends in occupancy.			• Add backend API call for monthly data • Design Monthly heat-map chart **Kaito** • Add input for year, month, and day to the heatmap in Trends **Dirk**

Scrum Times:

TA: FRIDAY 12:30 pm
MON 7:30 pm
WED 7:30 pm
FRI 7:30 pm