

Test Plan and Report

Slug Meter

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- A. **User Story 1:** As an employee, I want to update the database when people enter the gym so that I can store the information for later use.

Scenario 1:

1. The user visits “/scanin”, which adds one timestamp to the database. **(Passed)**

- B. **User Story 2:** As a manager, I want to access historical data about gym occupancy so I can make more informed decisions in scheduling my employees.

Scenario 2:

1. The user visits “/Trends”, and views the Heatmap for the month, or the predictive data for the desired day. **(Passed)**

- C. **User Story 3:** As a manager, I want to access data about gym occupancy through a website, so I have easier access to that information.

Scenario 3:

1. User visits “/”, which shows them current occupancy data with an intuitive website. **(Passed)**

- D. **User Story 4:** As a gym-goer, I want to be able to scan into the gym, so that the gym knows how many people have entered.

Scenario 4:

1. The user visits “/scanin”, which adds one timestamp to the database. **(Passed)**

- E. **User Story 5:** As a student, I would like to see a concise and informative graphic regarding the gym's occupancy level.

Scenario 5:

1. User visits “/Trends” or “/”, where they can view intuitive information in graphs regarding gym occupancy. **(Passed)**

- F. **User Story 6:** 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.

Scenario 6:

1. User visits “/Trends” and views the first graph, selecting the day they wish to see predictions for. **(Passed)**

- G. **User Story 7:** As a manager, I would like to view older data (> a week ago) so that I can understand long-term trends in occupancy.

Scenario 7:

1. The user visits “/Trends” and views the heatmap to see historical relative data for the month. **(Passed)**