

Product Backlog

Sprint 1:

1. View Gym Occupancy

User Story: As Stew (student athlete), I want to view the current estimated fullness of the RAWC gym (e.g., High, Medium, Low) so that I can decide if I should go work out now or wait for a quieter time.

Acceptance Criteria:

- The page clearly displays a “Fullness” status (Low, Medium, High).
- The status is calculated using a basic estimate based on time of the day averages.

Story Points: 5

2. Submit Live Status Reports

User Story: As a UTM student (Jane, Stew, Jackmerius), I want to submit a quick report on a location (e.g., tap a button that says “Gym is empty, moderate, or full”) so that I can help provide accurate real-time data to other students.

Acceptance Criteria:

- A simple “Report Status” button is visible on the location pages.
- Clicking the button sends the update to the backend to adjust the live estimate.

Story Points: 3

3. View Historical Trends

User Story: As Stew (student athlete), I want to see a simple graph of how busy the gym is throughout the day so that I can plan my workout schedule around the quietest times.

Acceptance Criteria:

- A visual graph showing how busy the gym gets by hour (9am - 9pm).

Story Points: 5

Future Sprints:

4. Check Parking Availability

User Story: As Stew or Jackmerius (commuters), I want to see which parking lots are currently full before I leave home so that I can decide whether to drive or take the bus.

Acceptance Criteria:

- A list that shows the main parking lots on campus.
- Each parking lot has a clear status indicator (green/yellow/red) showing how likely spots will be available.

Story Points: 8

5. Campus Food Wait Times

User Story: As Jane (OPH resident), I want to see the estimated wait time for different food spots like Subway so that I can grab lunch quickly between my classes.

Acceptance Criteria:

- The app lists various food locations from different buildings.
- Each location shows an estimated wait time in minutes.

Story Points: 8