

Slug Meter

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Version 1

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❖ High-level goals:

- Be able to see the number of people currently in the gym
- Be able to display on the recreation.ucsc.edu webpage
- Be able to maintain information about the gym's occupancy levels
- Be able to see a prediction of how busy the gym will be throughout the week
- Be able to implement the meter on the "Go Slugs" app

❖ User Stories:

- As a student, I want to be able to see how many people are in the gym on the Opers website. [13]
- As a student, I want to predict how many people will be in the gym at a given time, so that I can design my gym schedule. [13]
- As a manager, I want historical data about gym occupancy so I can make more informed decisions in scheduling my employees. [8]
- As a student, I want to be able to input my preferred time and receive a response on whether the gym will be busy at that time or not [13]
- As a student, I would like to be informed about any gym closures
- As a student, I would like to receive notifications on when the gym is at max capacity or is empty [13]
- As a student, I would like to see a concise and informative graphic regarding the gym's busy level [5]
- As a student, I would like to have my anonymity protected while utilizing the Slug Meter's capabilities [1]
- As a student, I want to be able to see how many people are in the gym on the Go Slugs app [21]

❖ Sprint 1:

- As a manager, I want historical data about gym occupancy so I can make more informed decisions in scheduling my employees. [13]
- As an employee, I want to update the database when people enter the gym so that I can store the information for later use. [8]

❖ Sprint 2:

- As a manager, I want to access data about gym occupancy through a website, so I have easier access to that information. [8]
- As a gym employee, I want the database to be updated automatically when someone scans in, to alleviate the need to do that manually [8]

❖ Sprint 3:

- As a student, I would like to see a concise and informative graphic regarding the gym's occupancy level [5]
- 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. [13]

❖ **Sprint 4:**

- As a student, I want to be able to see how many people are in the gym on the Go Slugs app [21]
- As a student, I would like to receive notifications on when the gym is at max capacity or is empty [13]

❖ **Definition of Done (User Story)**

- All tasks complete (see other DoD)
- All acceptance criteria functional
- All code is integrated with outside components
- The story is presented and reviewed by the team

❖ **Definition of Done (Task)**

- Code pushed/merged into GitHub
- Base and edge cases tested
- The code is thoroughly documented with comments
- The code is styled according to the style guide
- The task is presented and reviewed by everyone working on the same task
- The code is looked through by another team member