

Buff Traffic

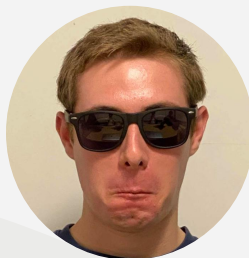
Tracking the Herd.

OUR TEAM

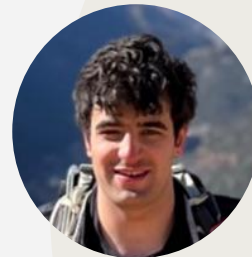
YOHANES LIMASALLE



BEN GARDUNO



NOAM TUCHMAN



CHE MENG HER



LILLY NGUYEN



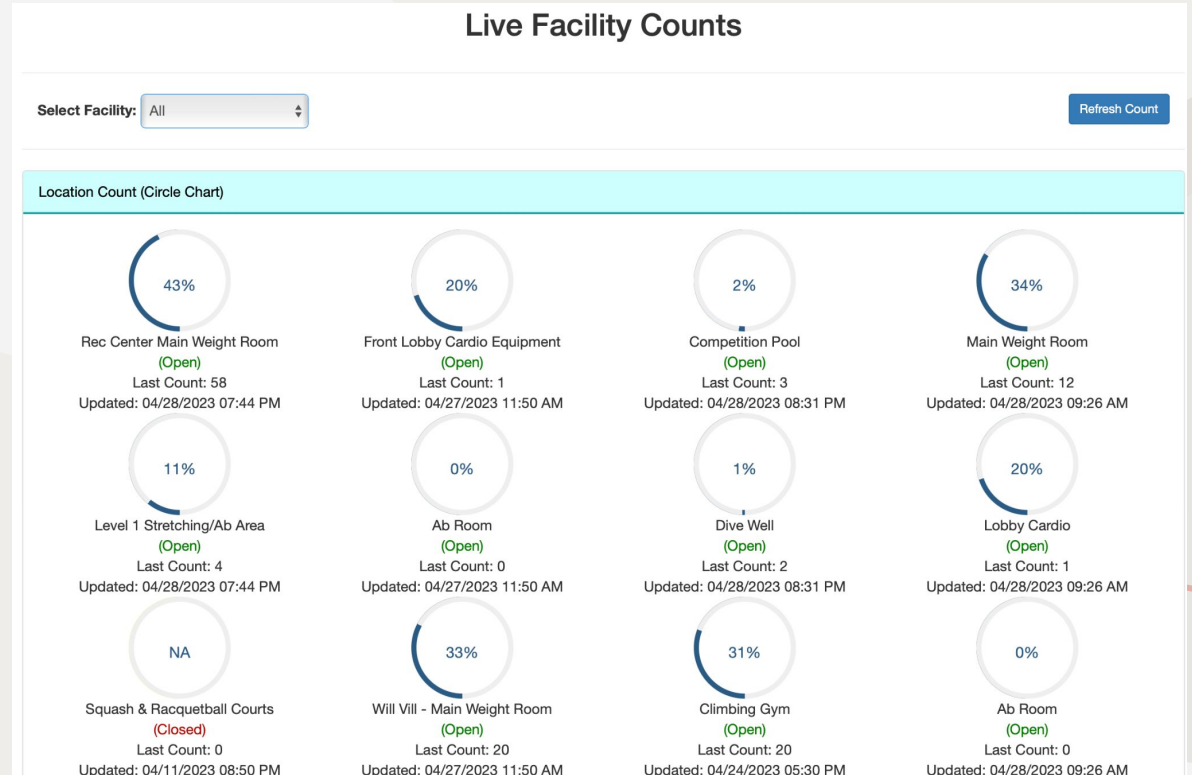
The IDEA

Have you ever walked into The Rec and realized it's more packed than a can of sardines?

If only there was a way to predict and plan ahead to prevent the dreaded Rec Center rush hours...



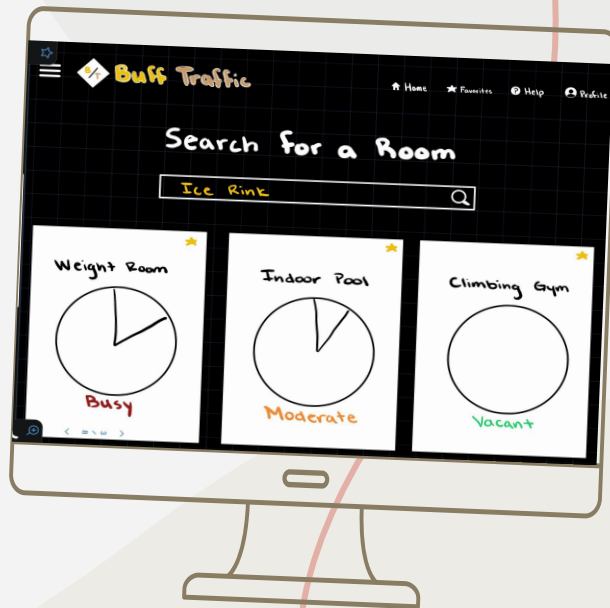
What's Out There...



Our Solution



Introducing **Buff Traffic**, an app to track current and historic traffic trends at The Rec so you can spend more time working out and less time awkwardly waiting on the side for your turn.



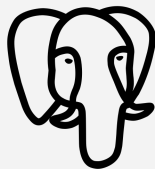
Tools



GitHub

VCS Repository

Rating: 5/5



PostgreSQL

RDBMS

Rating: 4/5



Docker

Containerization
Platform

Rating: 4/5



Postman

API testing tool

Rating: 5/5



NodeJS

Application Server

Rating: 4/5



Azure

Deployment Platform

Rating: 3/5

Architecture Diagram



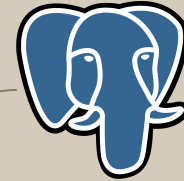
FRONT END



Express

Web Pages EJS

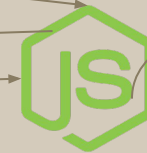
BACK END



POST requests modify
the database



POSTMAN



Server Side NodeJS

API Calls

Express Facilitates
communication to
Back End
Node JS From
Front End EJS
Pages

APPLICATION



Database and Application in Docker

Challenges



Data Collection

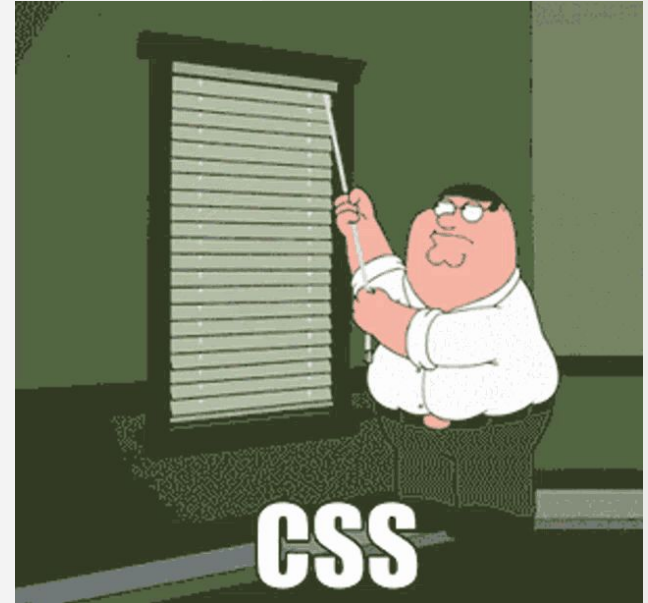
Lots of back and forth
with OIT

Merge Errors

EJS

Breaking
production

yeah...



Future Implementation



Profile/Register Page

With More CU specific
information like
signing in with
Identikey

Search

Implement a search
feature to search for
specific rooms and
add a filter feature

Data

Improve the accuracy
of facility counts and
include Will Vill Gym

DEMO

<http://csci3308teamblync.eastus.cloudapp.azure.com:3000>

The background features several overlapping circles and a thin, wavy line in muted colors like light red, beige, and grey. The word "Questions?" is centered in a large, black, sans-serif font.

Questions?