CSCI 3308 Group Project: IMProved.com

Theo Bragstad, Leo Kamgar, Zach Chen, Jaxon Paulsen, Jacob Friedman

Description of Project

IMProved is an app designed to allow participants in

- **intramural**
- **recreational**
- **club sports**

to

- **manage their player profiles**
- **join and create teams**
- **discover new sports and players**
- **keep track of their upcoming games**

One of our main goals with the website was to ensure that it is **simple**, **fast**, and **easy to use**, so you can quickly access the information you need and dedicate more of your time to actually playing your favorite sports.

Tools Used

Database

PostgreSQL
★★★★★

UI

HTML
★★★★★

CSS
★★★★★

EJS
★★★★★

Communication

Group chat
★★★★

Discord
★★★★★

Version Control & Project Tracker

GitHub
★★★★★

Server

★★★★

Methodology

Iterative
★★★★★

Design, UI, Planning

Figma
★★★★★

Lucidchart
★★★★

Docs
★★★★★

IDEs

VSCode
★★★★★

WebStorm
★★★★★

localhost
★★★★★

Deployment
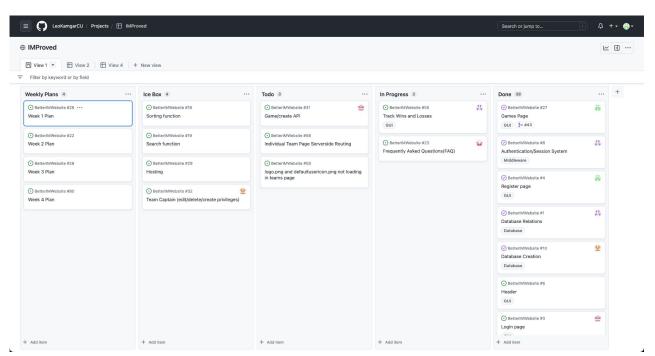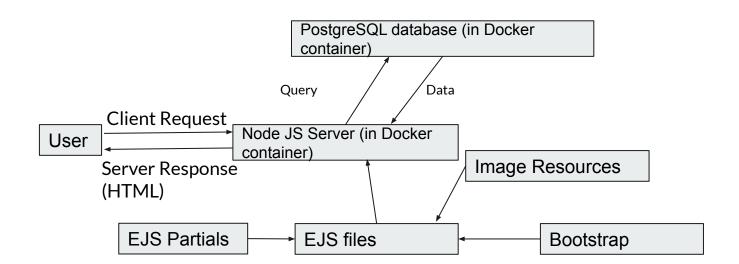

docker
★★★★★

GitHub Project Board

Architecture Diagram

Challenges

- **Calendar**
    - At first we wanted to have a fully functional calendar to show games
    - We decided creating a full calendar was not a good use of our time, and using an embedded Google Calendar would not provide us with the functionality we needed
    - Decided to display games in an "agenda" based list format which is more readable and easier to implement
- **Choosing which features to add**
    - It would have been impossible to add all imaginable ideas to the website within the given time frame
    - We had to decide which features were most important and useful
    - For example, initially we wanted to add a messaging system for team and player communication
        - We realized most people would rather use their phones (iMessage) for this, so we decided against it

Live Demo