



CSCI 3308 Group Project: IMProved.com

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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



Communication



Group chat



Discord



Version Control & Project Tracker



GitHub



Server



Methodology



Iterative



Design, UI, Planning



Figma



Lucidchart



Docs



IDEs



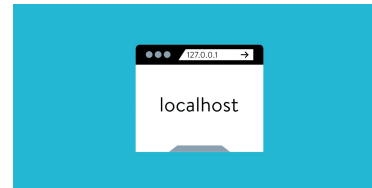
VSCode



WebStorm



Deployment



GitHub Project Board

The screenshot displays a GitHub Project Board for the 'IMProved' project, managed by 'LeoKamgarCU'. The board is organized into five columns: 'Weekly Plans' (4 items), 'Ice Box' (4 items), 'Todo' (3 items), 'In Progress' (2 items), and 'Done' (38 items). Each column contains a list of tasks, each represented by a card with a title, a description, and a status icon. The 'Weekly Plans' column includes tasks like 'BetterIMWebsite #26', 'BetterIMWebsite #22', 'BetterIMWebsite #28', and 'BetterIMWebsite #80'. The 'Ice Box' column includes 'BetterIMWebsite #18', 'BetterIMWebsite #19', 'BetterIMWebsite #29', and 'BetterIMWebsite #32'. The 'Todo' column includes 'BetterIMWebsite #31', 'BetterIMWebsite #58', and 'BetterIMWebsite #59'. The 'In Progress' column includes 'BetterIMWebsite #55' and 'BetterIMWebsite #23'. The 'Done' column includes 'BetterIMWebsite #27', 'BetterIMWebsite #8', 'BetterIMWebsite #4', 'BetterIMWebsite #1', 'BetterIMWebsite #10', 'BetterIMWebsite #6', and 'BetterIMWebsite #3'. The board also features a search bar at the top right, a filter bar at the top left, and a 'Filter by keyword or by field' option at the bottom left.

LeoKamgarCU / Projects / IMProved

Search or jump to...

IMProved

View 1 View 2 View 4 + New view

Filter by keyword or by field

Weekly Plans 4

- BetterIMWebsite #26 ...
Week 1 Plan
- BetterIMWebsite #22
Week 2 Plan
- BetterIMWebsite #28
Week 3 Plan
- BetterIMWebsite #80
Week 4 Plan

Ice Box 4

- BetterIMWebsite #18
Sorting function
- BetterIMWebsite #19
Search function
- BetterIMWebsite #29
Hosting
- BetterIMWebsite #32
Team Captain (edit/delete/create privileges)

Todo 3

- BetterIMWebsite #31
Game/create API
- BetterIMWebsite #58
Individual Team Page Serverside Routing
- BetterIMWebsite #59
logo.png and defaultusericon.png not loading in teams page

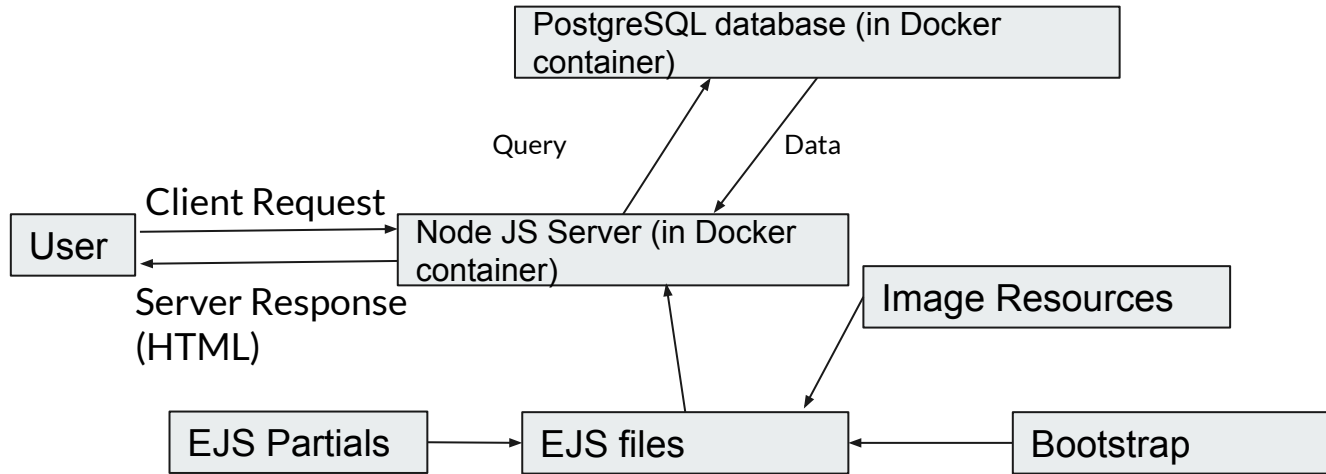
In Progress 2

- BetterIMWebsite #55
Track Wins and Losses
GUI
- BetterIMWebsite #23
Frequently Asked Questions(FAQ)

Done 38

- BetterIMWebsite #27
Games Page
GUI #43
- BetterIMWebsite #8
Authentication/Session System
Middleware
- BetterIMWebsite #4
Register page
GUI
- BetterIMWebsite #1
Database Relations
Database
- BetterIMWebsite #10
Database Creation
Database
- BetterIMWebsite #6
Header
GUI
- BetterIMWebsite #3
Login page

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