COURTCONNECT

The gamechanger for tennis players.

Developer Team: 12-03

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Front-end

Trish Le

Front-end

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Front-end

Caleb Lehman

Back-end

Mitch Kubina

Back-end

Jake Carroll

Back-end

Project Description:

Vision Statement: For tennis players who want to find a court and competitors to play against. CourtConnect is a booking system and social network that allows easy and efficient access to play. Unlike other court reservation systems, our product connects the tennis community.

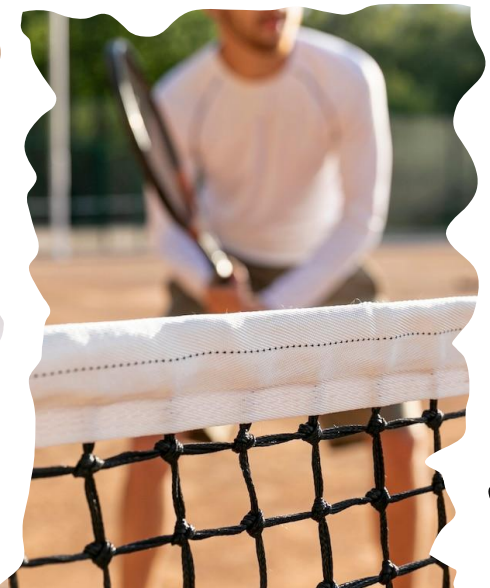
Description: Courtconnect allows users to view and make reservations at local tennis courts and their respective parks in the area, making match control easier than ever.

Each user creates their own unique profile, with different descriptors such as skill level and location to allow connectivity with other players. They can create reservations with the option of allowing others to join, as well as being able to join other's reservations to find new players in the area to play with.

Tools Used:

Ranked out of 5 stars

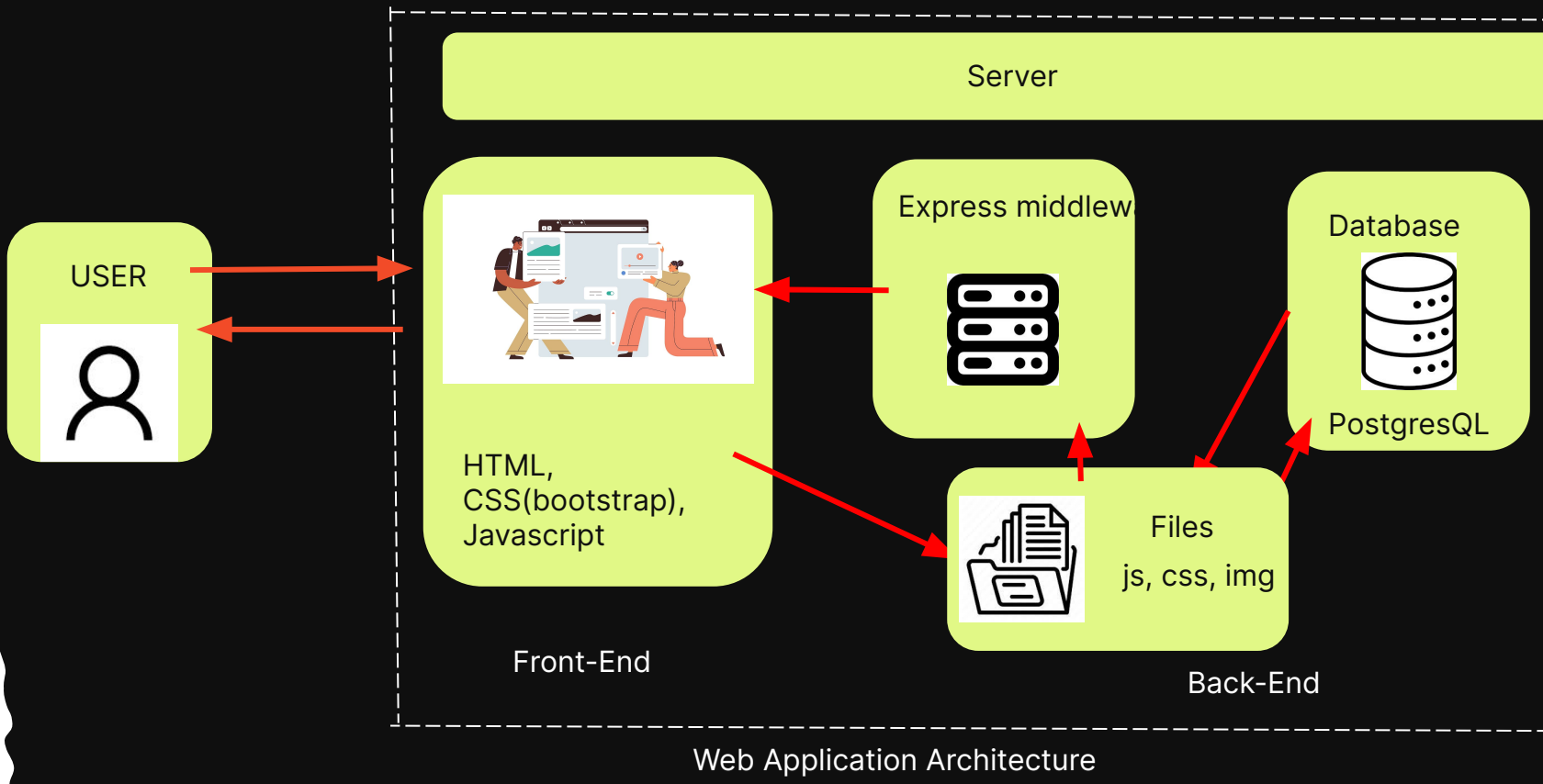
Version Control: GitHub Repository	3: Allowed efficient sharing of code, had a few problems with push conflicts
GitHub Project Board	5: Very easy to use with nice display of all our assigned tasks
Figma	5: Wireframe tool with easy editing tools, allowed great design
DataBase: PostgresSQL	4.5: Allowed easy and effective way to store and access data
Visual Code Studio	5: Very user friendly IDE
NodeJS	4: Easy to use application server
Deployment: Microsoft Azure	4: Quick deployment and fast way to create virtual machines
HTML and EJS	4: Allowed easy page design and development
Bootstrap	2.376: A little bit hard to create unique designs



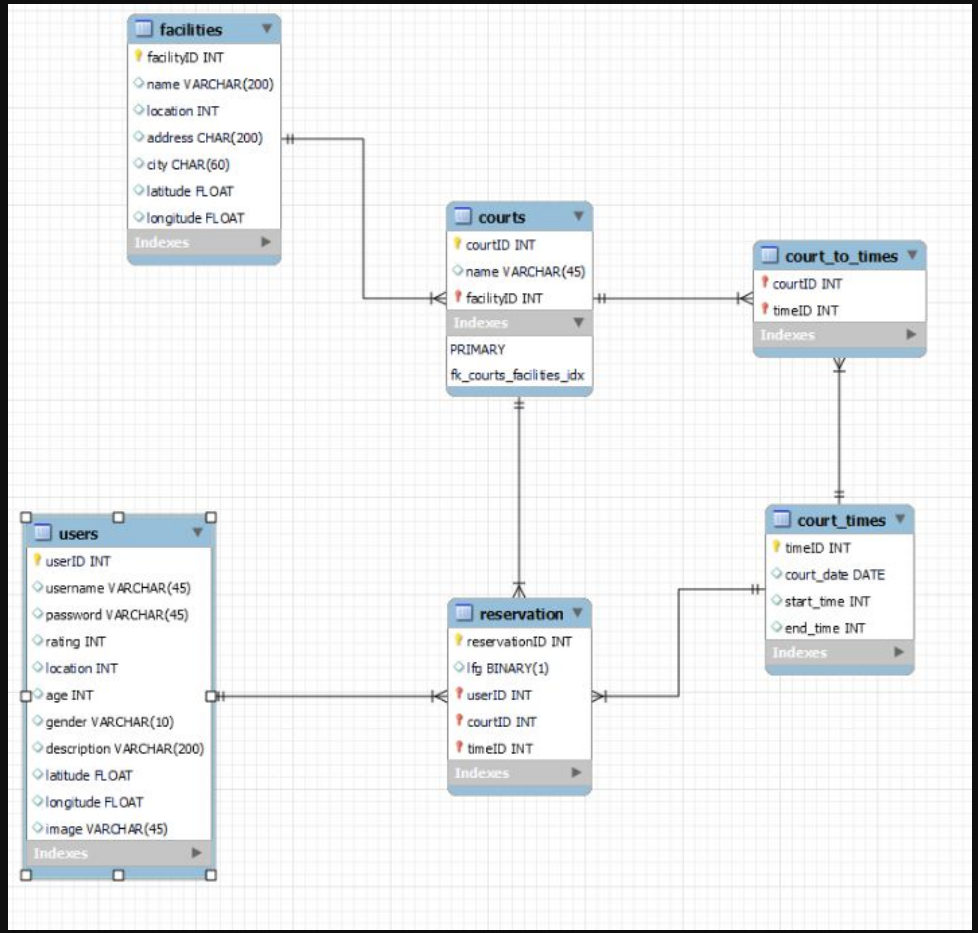
Architecture

Here’s a few diagrams to depict the structure

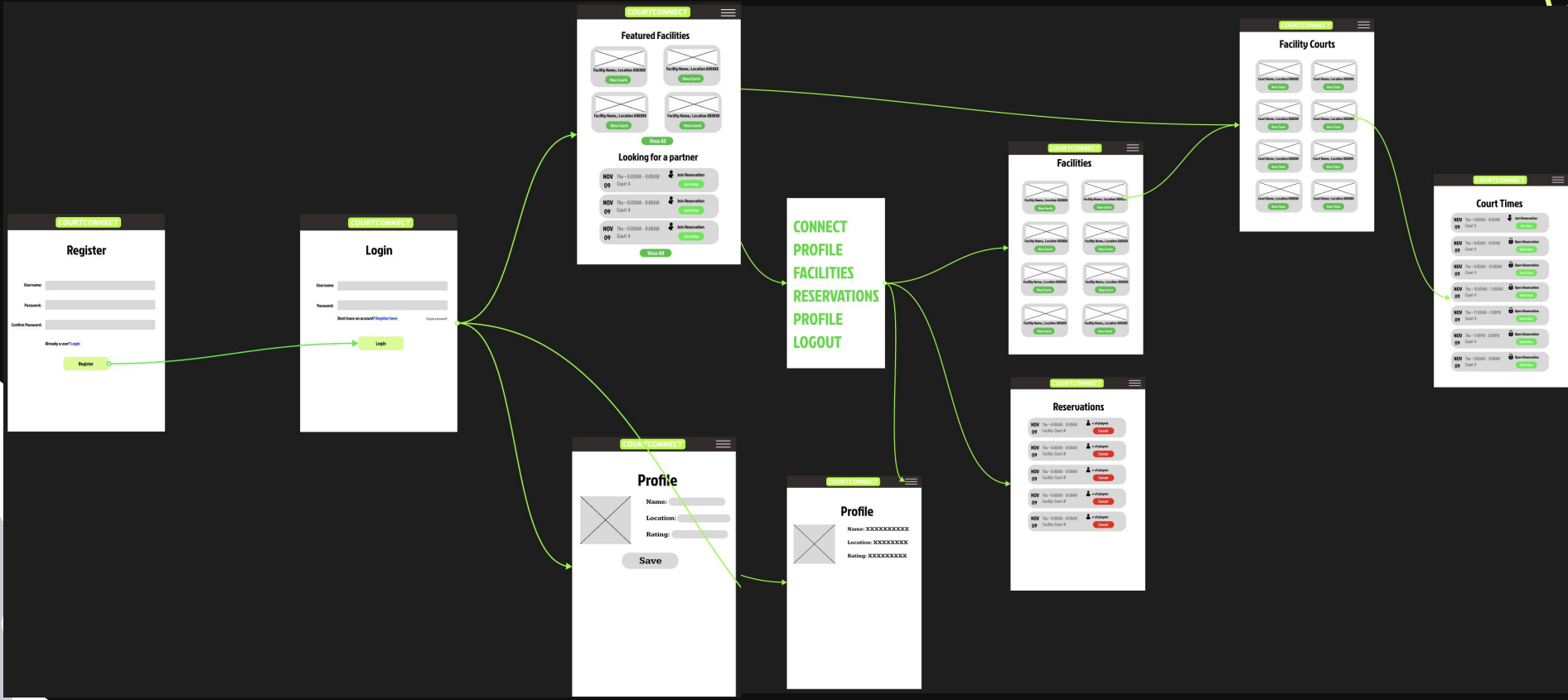
Architecture Diagram



Database Structure



Data Flow:


COURTCONNECT
Register
Username:
Password:
Confirm Password:
Already a user? Login
Register
COURTCONNECT
Login
Username:
Password:
Don't have an account? Register here
Login
COURTCONNECT
Featured Facilities
View All
Looking for a partner
View All
CONNECT
PROFILE
FACILITIES
RESERVATIONS
PROFILE
LOGOUT
COURTCONNECT
Profile
Name:
Location:
Rating:
Save
COURTCONNECT
Profile
Name: XXXXXXXXXX
Location: XXXXXXXX
Rating: XXXXXXXXX
COURTCONNECT
Facilities
COURTCONNECT
Reservations
COURTCONNECT
Facility Courts
COURTCONNECT
Court Times

CHALLENGES FACED:

Github Collaboration

There were several instances where there were merge conflicts, bugs with pushing code onto the repo at the beginning, which we ended up solving and started using branches and pull requests

Communication

It was a little hard to keep track of everything at the beginning in terms of planning out. But, we made a discord and held team meetings to assign roles and documented

Deadlines

Time crept up on us, and we found that we were crunched on time which resulted in a lot of cramming and rushing to finish our parts

Debugging

There were a lot of instances where after merging, people's codes would break the repo, but we all collaborated to fix everything

Ready for the demo?
LINK