

CSCI 3308 | Group 9

Best Seat

Find seats for your favorite events and compare prices effortlessly.

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Main Idea:

- Hub for comparing the prices of concert tickets.
- Search for event by keywords and filters.
- Have access to all ticket vendors on one page.

Minnesota Timberwolves vs. Phoenix Suns
Date: 2025-12-08 at 19:00:00 | Location: Minneapolis, MN



Available Tickets on Different Platforms

 Stubhub.com Buy Tickets	 Ticketmaster.com Buy Tickets	 Vividseats.com Buy Tickets
 Seatgeek.com Buy Tickets	 Viagogo.com Buy Tickets	 Eventticketscenter.com Buy Tickets
 Ticketmaster.com Buy Tickets	 Vividseats.com Buy Tickets	 Seatgeek.com Buy Tickets
 Stubhub.com Buy Tickets	 Tap That Downtown Buy Tickets	

Audience & Problem

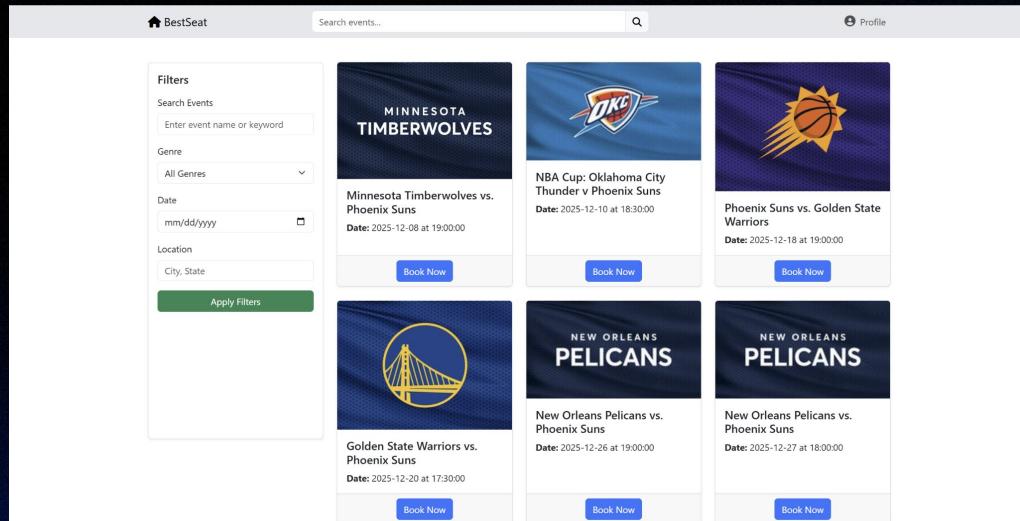
Audience: Live event enthusiasts who need one app to find ticketing options or want a unified service to search for and find events

What problem does this address?

Looking for the cheapest or best ticket for an event can be tedious and confusing with the numerous different ticketing platforms.

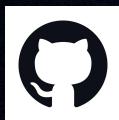
How did we solve this?

We offer a single search and to find event and one page with numerous direct link options for the user to find many services and tickets their event of choice.



Tools

GitHub
Version Control
Rating: 4



PostgreSQL
Database
Rating: 5



VSCode
IDE
Rating: 5



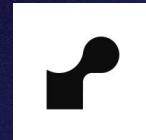
NodeJS + Express
Application Server
Rating: 3



Rapid
API
Rating: 5



Render
Deployment
Rating: 4



Docker
Containeration
Rating: 4



Mocha + Chai
Testing
Rating: 5



Ticketmaster
API
Rating: 4



Bcryptjs &
express-session
Authentication
Rating: 4



Axios
HTTP Client
Rating: 5



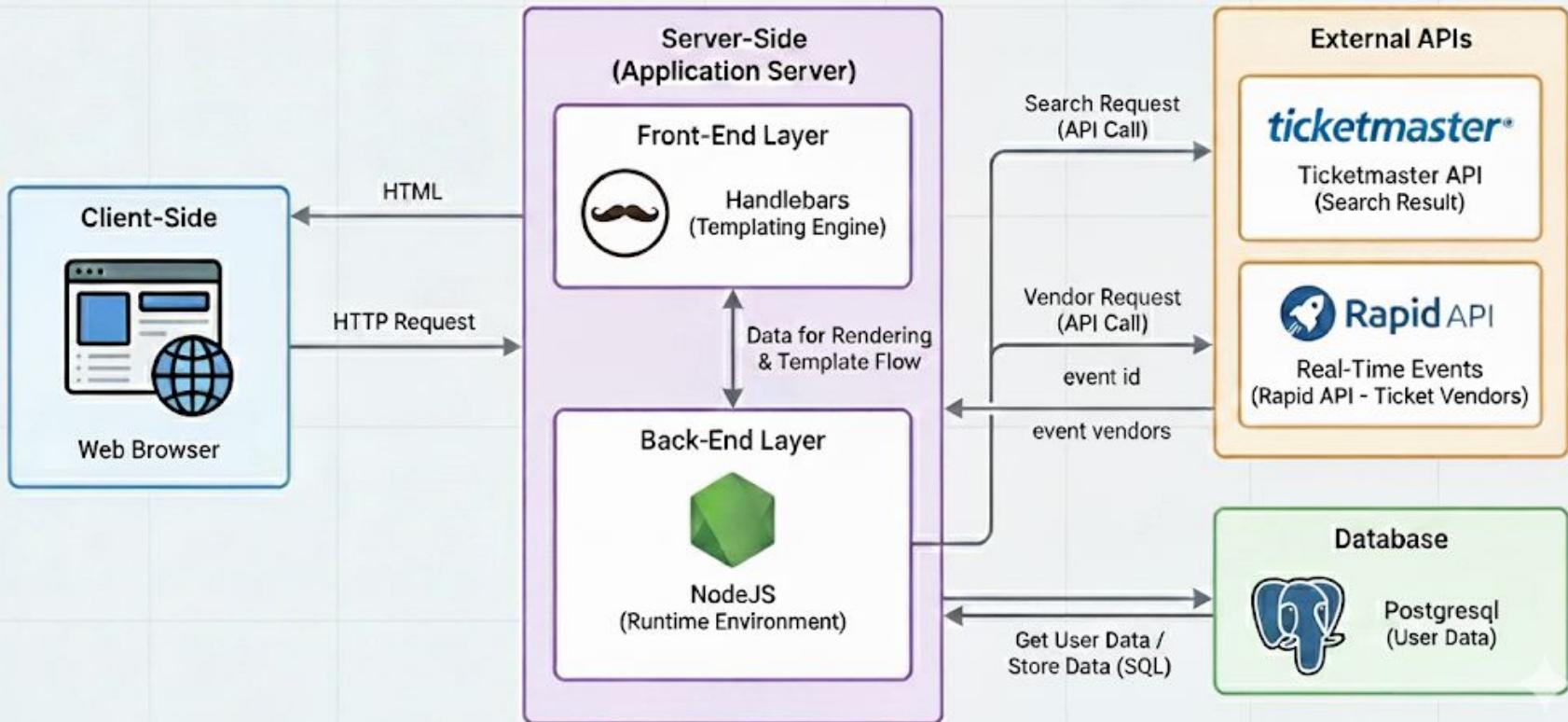
HTML, CSS,
JavaScript, &
Handlebars
Frontend
Rating: 4



Methodologies

- Agile
 - GitHub Projects
 - Two sprints
 - One for overall MVP
 - One for expansion and testing
 - Weekly meeting to discuss issues and next actions
 - Met over call or in-person at CSEL

Best Seat Architecture Diagram



Challenges

Blake

Some of the APIs we ended up using had different return values, so I had to come up with a solution to map all json results from the APIs to one centralized format, ensuring that none of the data was lost or misplaced.

Tate

Race conditions occurred with the search page partials rendering before data arrived leaving empty displays. I fixed this with some async and wait handers to load the partials when data arrived. I also had trouble with shared partials like the navbar breaking on certain pages. This was fixed through adding a default for some fields that weren't needed for all pages.

Kyle

Accurately representing our wireframes with our hbs coding took quite a bit of effort. It took a lot of tweaking and rewriting to get the look we were after down.

Eyal

All the ticket sources we planned on using in the beginning denied us developer access. I had to keep looking for API sources and I found one on Rapid. It didn't give us the ticket prices but it was still enough to work with.

Demo

Future Scope

- User can follow favorite teams and artists
- Price Tracker
- Resale from verified users
- User stored data like profile picture and username
- See other user's followed artists
- Admin user for management

Questions?