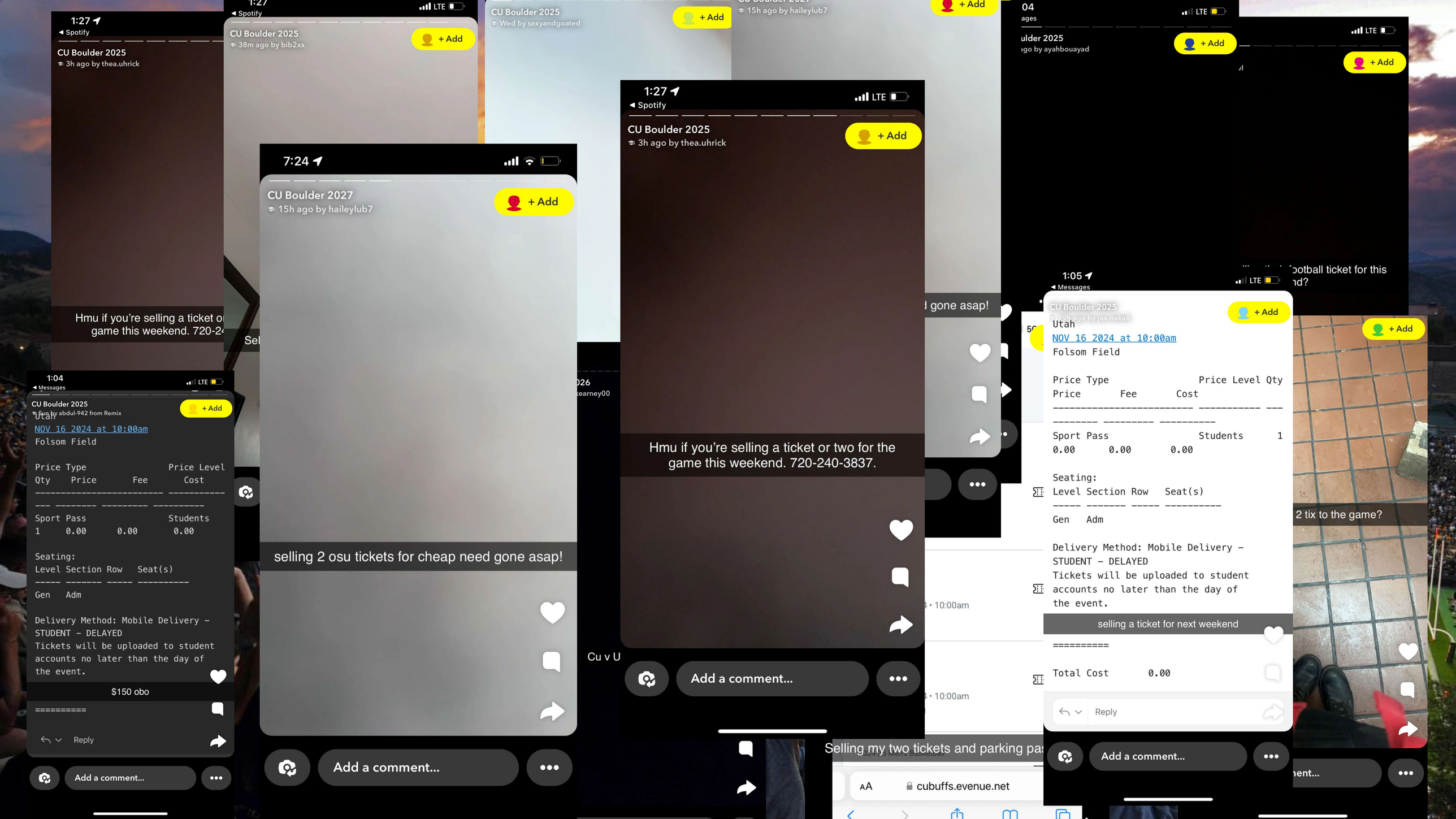
Buff Market


CU Boulder 2025
3h ago by thea.uhrick
+ Add
Hmu if you're selling a ticket o
game this weekend. 720-24
CU Boulder 2025
38m ago by bib2xx
+ Add
CU Boulder 2025
Wed by sexyandgoated
+ Add
CU Boulder 2025
15h ago by haileylub7
+ Add
ulder 2025
go by ayahbouayad
+ Add
+ Add
7:24
CU Boulder 2027
15h ago by haileylub7
+ Add
selling 2 osu tickets for cheap need gone asap!
Add a comment...
1:27
Spotify
CU Boulder 2025
3h ago by thea.uhrick
+ Add
Hmu if you're selling a ticket or two for the game this weekend. 720-240-3837.
Add a comment...
gone asap!
1:04
Messages
CU Boulder 2025
Run by abdul-942 from Remix
+ Add
Utah
NOV 16 2024 at 10:00am
Folsom Field
Price Type Price Level
Qty Price Fee Cost
Sport Pass Students
1 0.00 0.00 0.00
Seating:
Level Section Row Seat(s)
Gen Adm
Delivery Method: Mobile Delivery -
STUDENT - DELAYED
Tickets will be uploaded to student
accounts no later than the day of
the event.
$150 obo
==========
Reply
Add a comment...
1:05
Messages
CU Boulder 2025
+ Add
Utah
NOV 16 2024 at 10:00am
Folsom Field
Price Type Price Level Qty
Price Fee Cost
Sport Pass Students 1
0.00 0.00 0.00
Seating:
Level Section Row Seat(s)
Gen Adm
Delivery Method: Mobile Delivery -
STUDENT - DELAYED
Tickets will be uploaded to student
accounts no later than the day of
the event.
selling a ticket for next weekend
==========
Total Cost 0.00
Reply
Add a comment...
+ Add
2 tix to the game?
Cu v U
Selling my two tickets and parking pas
cubuffs.evenue.net

PROJECT Description

Buff Market is a **marketplace** for **students** to buy and sell **student tickets** at market value.

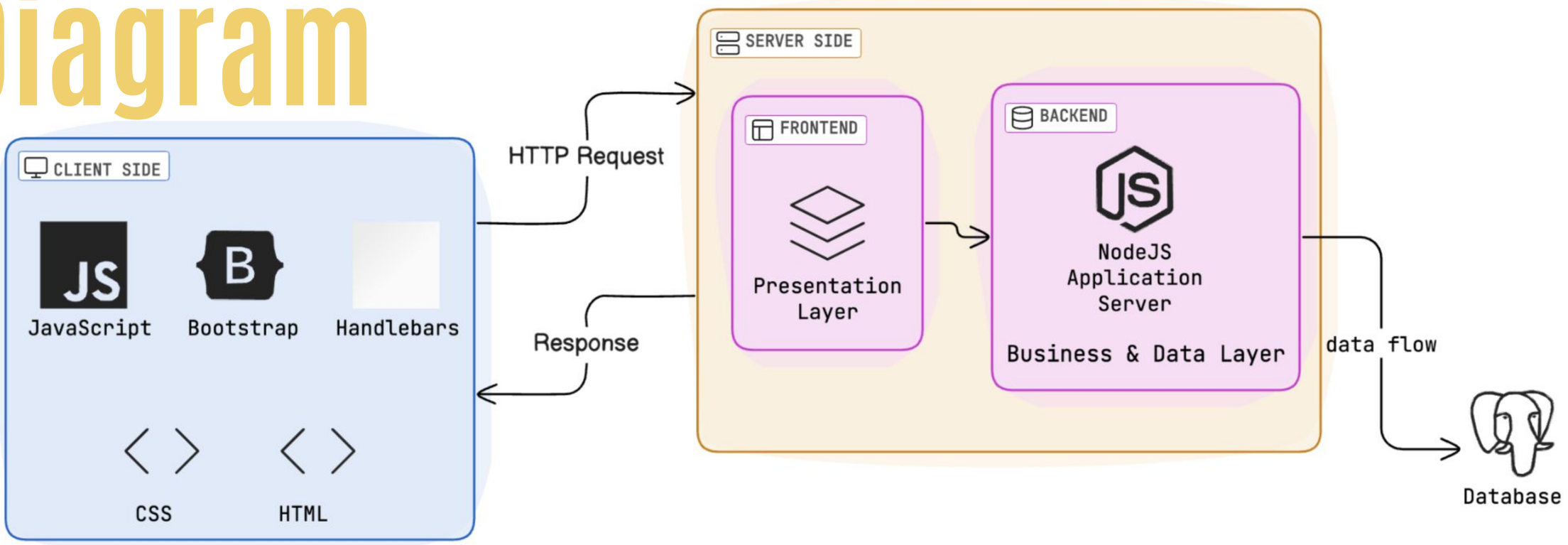
Key Features

- 🔑 Student Identification Login
- 📝 Sell, Buy, and Bid on Tickets
- 🔄 Buyer-Seller Communication
- 📈 Market Price Orderbook

Order Book

1. **Buyers submit bids** (max price they're willing to pay)
2. **Sellers submit asks** (min price they'll accept)
3. Each **order** includes **price and quantity**
4. **Highest bid** that matches **lowest ask** creates a trade
5. Use **midpoint** in the case that **there are no matches**
6. Results in a **fair, accurate and quick price** for a ticket.

Architecture Diagram



Tools Used

Project Tracker

GitHub Project Board

Allows easy organization and assigning of different tasks

Rating: 4.5/5

Database

PostgreSQL

Crashes a lot, but if set up correctly is very effective

Rating: 3/5

VCS

GitHub

Industry Standard, sometimes difficult to resolve conflicts

Rating: 4/5

Tools Used

IDE

Visual Studio Code

Syntax highlighting sometimes breaks, but otherwise very simple to use

Rating: 4.5/5

Application Server

NodeJS

Effective backend– simple to implement the server, no issues in use

Rating: 5/5

UI Tools

Handlebars

Effective and simple to implement queries with database

Rating: 4/5

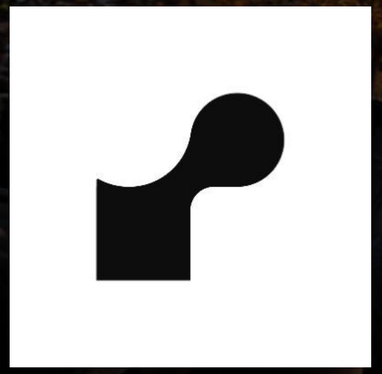
Tools Used

Deployment

Render

Simple to use, but needing to re-render after changes creates difficulty.

Rating: 3/5



Testing

Mocha

Limitations in assertions means you cannot just use this for testing.

Rating: 3/5

Email Verification

Nodemailer

Very simple to use once initial setup is complete and was perfect for out use case.

Rating: 5/5

CHALLENGES:

Throughout this project we faced some unexpected obstacles...

CHALLENGES:

- ***API and login*** *dynamics/CSS.*
- ***Real time testing*** *due to end of* ***football season****.*
- *Ticket* ***ownership verification*** *and* ***transfer****.*
- ***Student status verification****.*
- *Potential* ***backlash*** *from school.*

FUTURE SCOPE/ ENHANCEMENTS

- Payment Integration
- Contactless Ticket Transfer
- Data visualization for transparency

Team Members

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Andrew Perper

Daniel Hill

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Maija Grimes

Visit our GitHub Repository for more details on the project.