CINEDEX

A FULL STACK CASE STUDY

Jamie Tracy

CineDEX

Overview

The client-side of this version of the CineDEX application was built using Angular and interacts with the existing server-side code (REST API and database) from a previous project. Users can register, login, update their profiles, browse movies, and create a favorite movie list where they can add or remove favorites. CineDEX also provides users with information about an assortment of movies, directors, and genres.

Check it out

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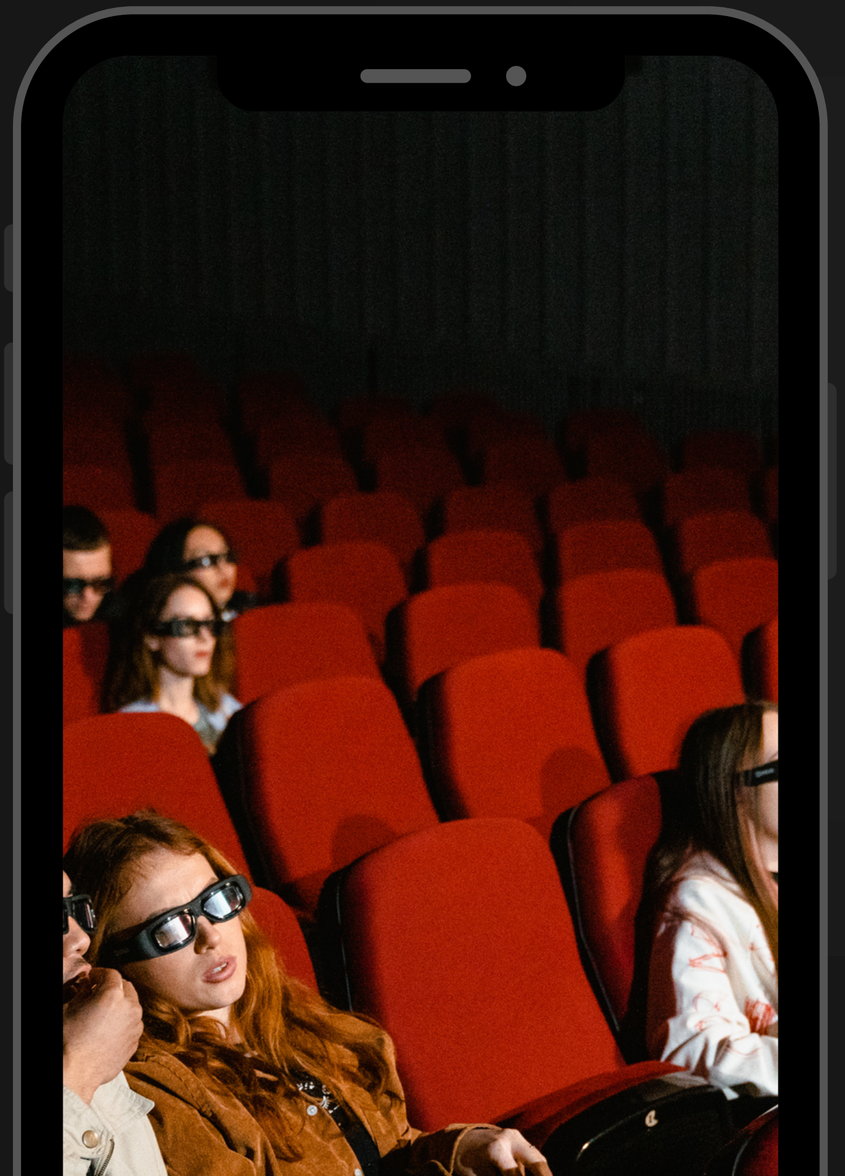

Objective

This project was part of the the full-stack immersion course from the web development program at CareerFoundry to demonstrate mastery of Angular, Angular Material and TypeScript. The goal was to create a complete web app (server-side and client-side) to showcase in my portfolio.

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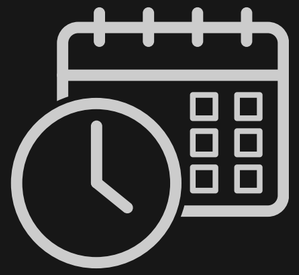
Details

Roles

Role: Lead Developer
Tutor: Ebere Iweala
Mentor: Mahesh Rodrigo

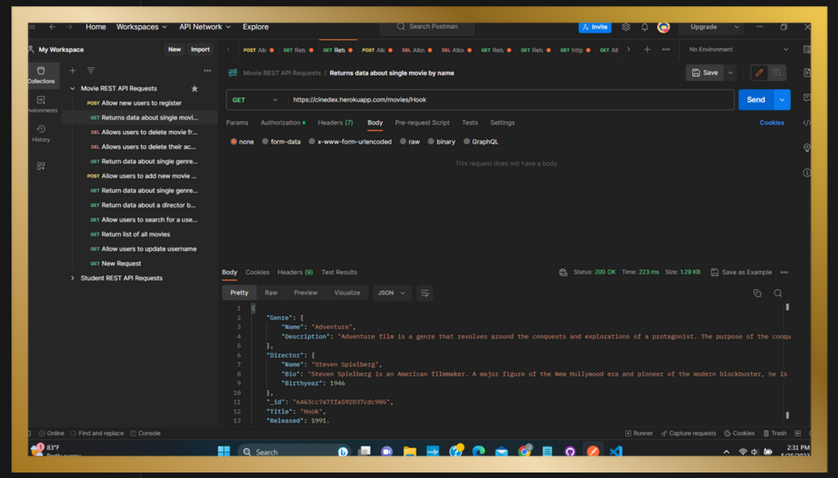


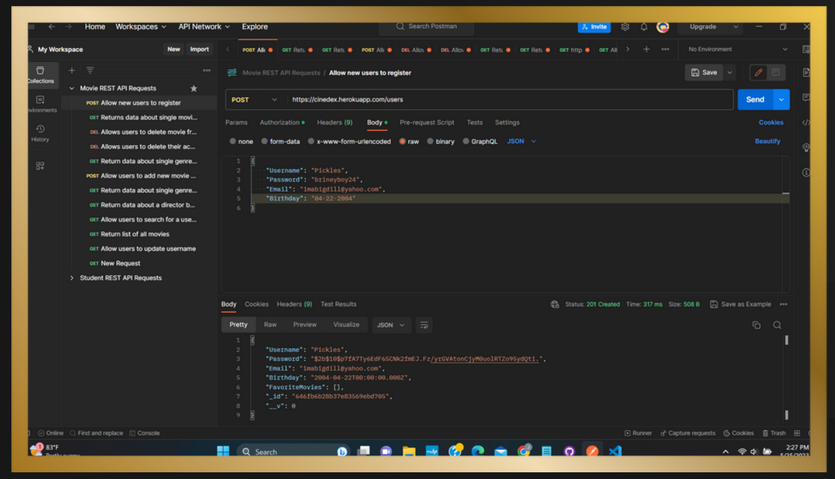
Duration

This project took approximately 3 weeks to complete from start to finish.

Methodologies

- Angular CLI
- Angular Material
- Typescript





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Server-Side

I created a REST API to interact with a non-relational database of movies I made using MongoDB. The API is accessed through HTTP methods, where requests can be sent to set endpoints to retrieve specific data from the database. I also implemented basic HTTP and JWT token-based authentication as well as password hashing and data validation. I was able to test the functionality of these endpoints using Postman during development. Last, I used MongoDB Atlas to host my database and Heroku to deploy my app.

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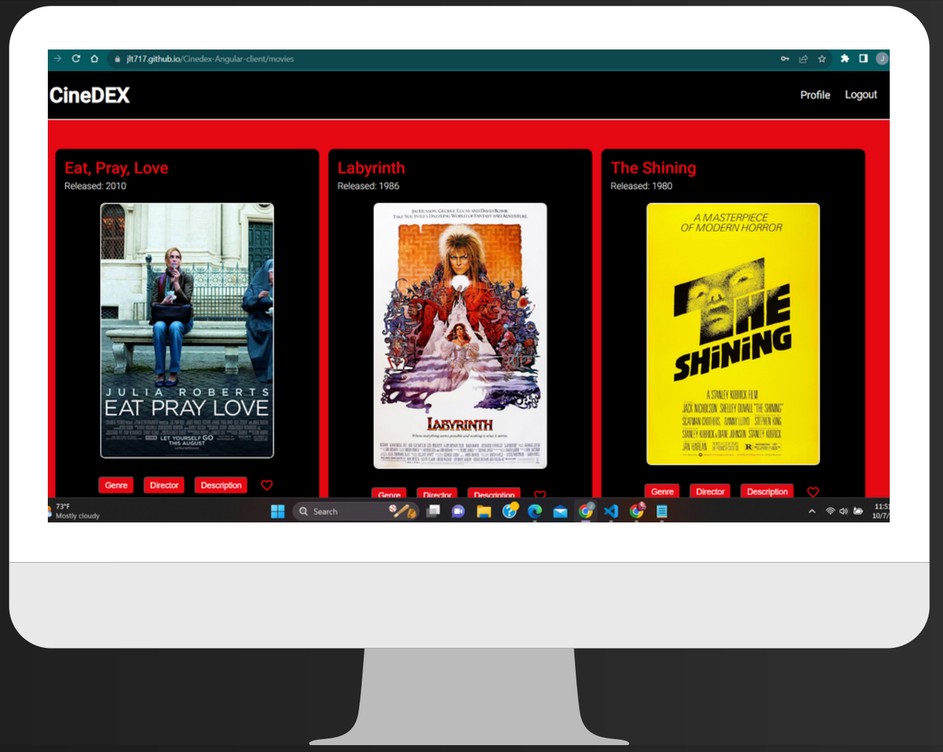
Client-Side

After ensuring my server-side code was fully functional, I needed to create the interface to be used by users to make requests and get responses from the server-side. Using Angular I created components for each interface view.
After developing the logic to support the requests from users and handle data through the REST API endpoints, I used Angular Material to create aesthetically appealing and consistent styling.



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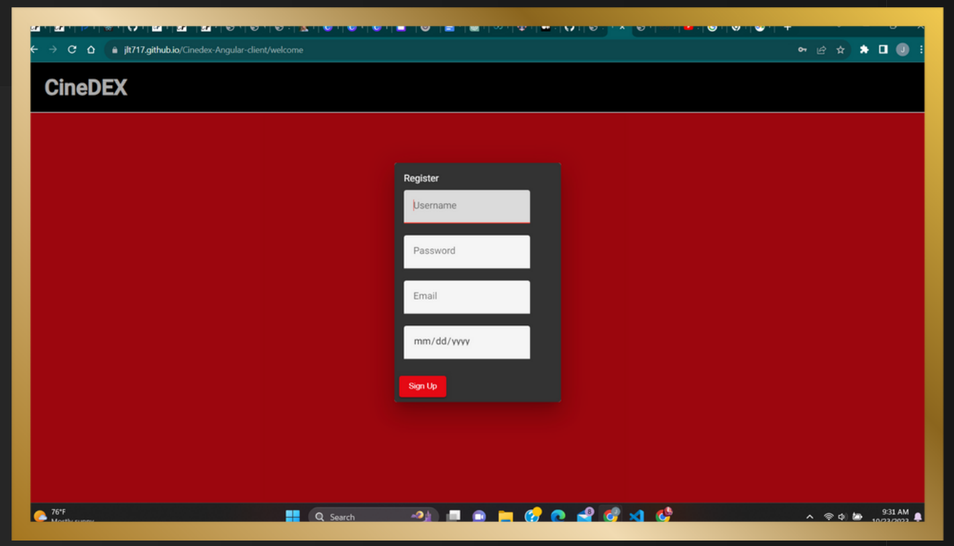
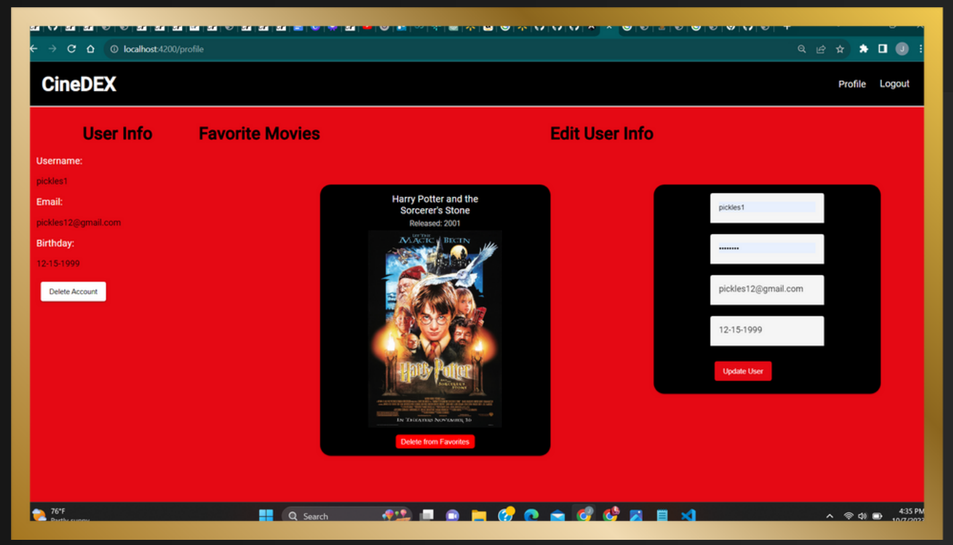
Interface Views



Registration View



Profile View

Users can register, log in, create a profile and browse movies.

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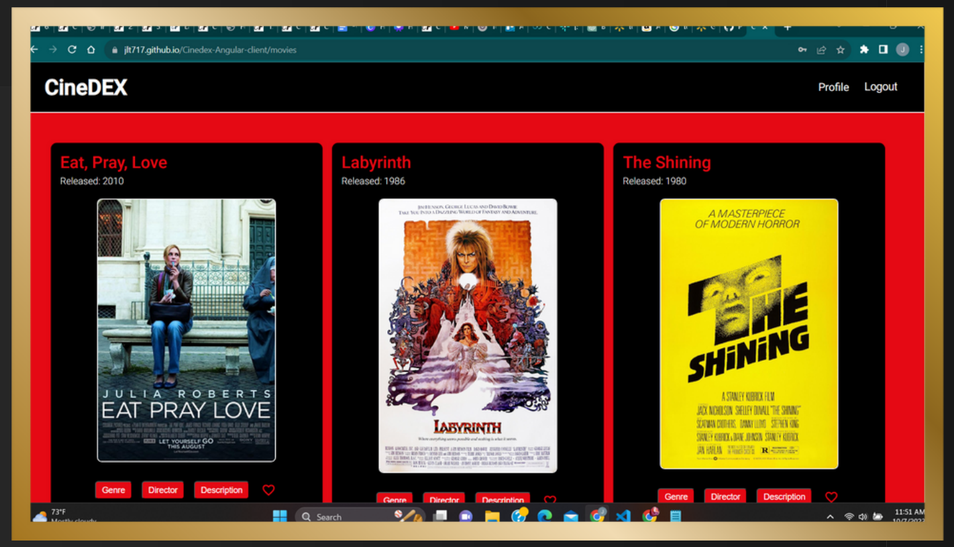
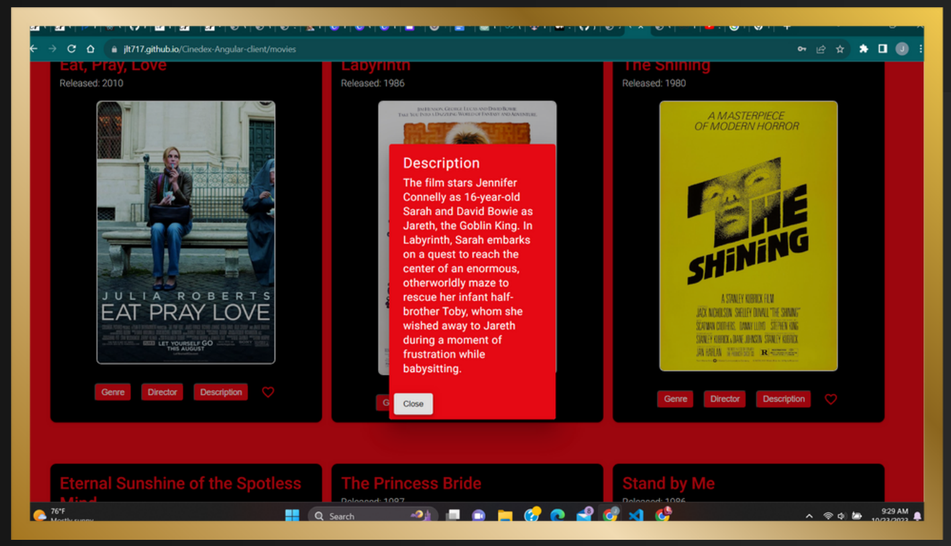
Interface Views



Main View



Movie Details View

Upon clicking the details button on a particular movie, the user can access release date, a movie synopsis, and genre and director information.

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Retrospective

What Went Well

As a very organized person and analytical thinker, I really enjoyed working on the server-side portion and database and felt I was able to complete it quickly and efficiently. I also enjoyed working with Angular Material.

Challenges

I had been told there is a steep learning curve to Angular, and I found that to be very true in the beginning. I also came across an undetected error in my backend code which set me back a bit.

Final Thoughts

In hindsight I should've tried to work on some smaller Angular projects before diving headfirst into this one. I also learned to be more open-minded when fixing errors. I was looking everywhere to fix issues I was having that tuned out to be in my backend code.