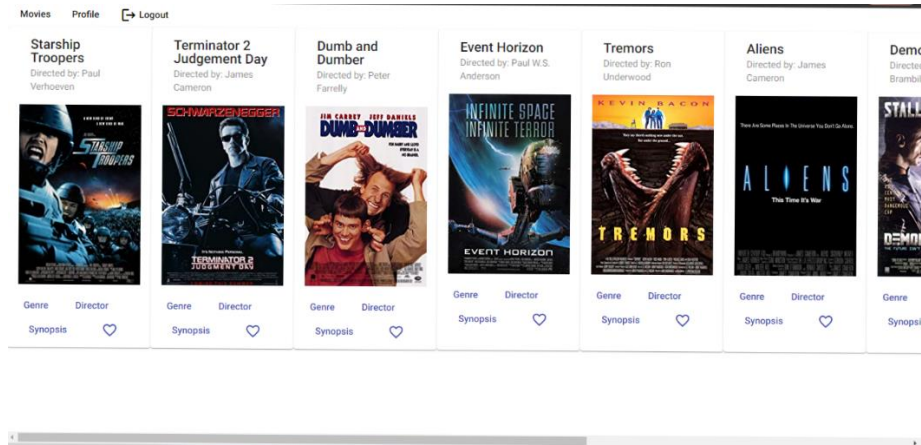# Case Study- myFlix

Overview

myFlix is a web application that allows users to sign up and find information on movies, genres, and directors. User can also change their personal information and create a list of their favorite movies. It was built using the MERN stack.
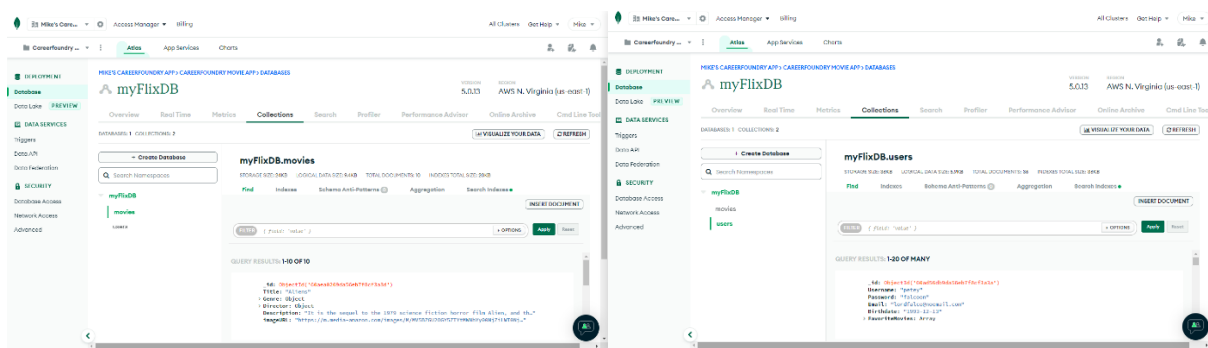
Purpose

This project was built to learn both the frontend and backend of web development and was part of my full-stack web development course through CareerFoundry.
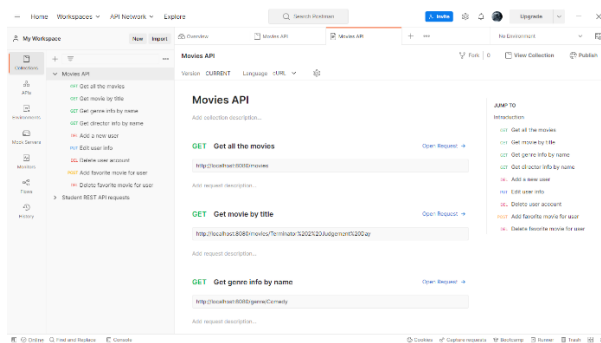
Objective

My objective through this project was to have a complete web application that utilized both client-side and server-side development. The project will then be put in as a part of my portfolio.

Approach

I first started with the server-side development. I used REST architecture by way of Node.js and Express and built the database using MongoDB. Information provided by the API is in JSON format. Business logic that is used is modeled using Mongoose.

Postman was used for testing and code was built to include user authorization through HTTP and JWT authentication. After testing, the API was deployed through Heroku.

The client-side was built as a single-page application with React and React Redux. Users can see all movies, filter movies (by genre or director), see details about a single movie, and add a movie to their favorites list of movies. There is a registration view to register for an account, a login view for users to login, and a profile view for users to update/change their information.

Challenges

I did face many challenges during the development of this project. Being new to the development world, it took a lot of trial and error and many sessions with my tutor and mentor to work through the many problems I faced. I did come out learning a lot about what went into building an application from server-side to the client side. This project also taught me to be a bit more humble and ask for help when needed instead of just trying to push through something I didn't fully understand yet, particularly CORS (Cross-origin Resource Sharing).