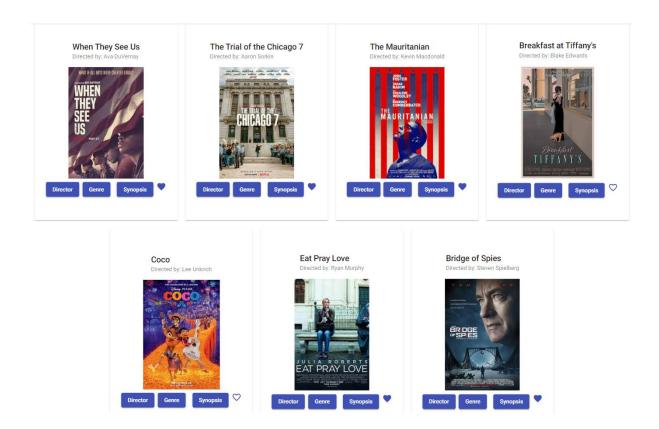
myFlix (Angular) Case Study



Overview

The purpose of this project was to build a complex user interface using Angular JavaScript framework for an application called myFlix based on its existing server-side REST API and MongoDB, and to wire back-end component with the front-end.

Objective

This project was part of my full-stack web development Career Foundry course. The purpose of it was to acquire some basic knowledge of how Angular framework works, to demonstrate this knowledge by building an interactive user interface and to integrate it with an existing server-side component.

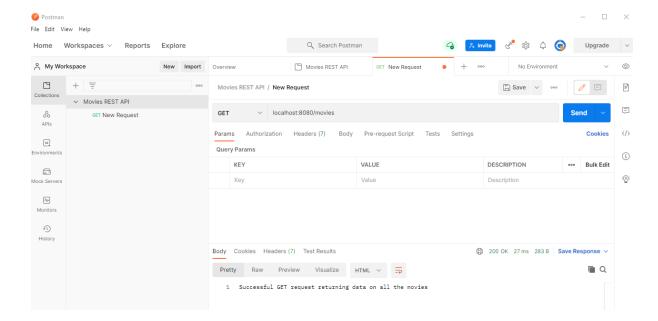
Approach

SERVER-SIDE

This stage involved building a REST API and MongoDB database that would supply information to my client-side about various films, directors, and genres. The server-side was also designed to hold user information such as username, password, date of birth and a list of favourite films. The complete tech stack that I used to accomplish this task was MERN (MongoDB, Express, React and Node.js). As part of this stage of the project, I had to develop a list of API endpoints and write extensive documentation to describe each of them. I also conducted thorough testing of each API endpoint using Postman.

General Information about the API

This is a REST(M) API hat uses HTTP requests to receive, send, create and delete data and files. This API is resided for an application called "my Flist" that interacts with a database that stores data about different movies or update their user information, for instance, their list of favourise movies. Business Logic URL HTP Nethod Request Body Data Format Response Body Data Format A JSON object hooling data about all movies A JSON object hooling data about a language movie such as 8s description, genre, director, image URL, and whether it is featured or not. Example: "Their This Transmit." "Descriptor: "The film is about an Eastern European man who..." "General" "Hames" "Comedy" "Descriptor: "A comedy film is a category of film..." "Descriptor: "A comedy film is a category of film..." "Descriptor: "A comedy film is a category of film is which the main emphasis is on humor..." Return data about a genre by title (e.g. genres) give the genre of the support of the



CLIENT-SIDE

At this stage I needed to familiarise myself with the logic and principles of how Angular works. Luckily, I was able to give myself plenty of time to really come to grips with the basics of this framework. I really wanted to gain experience of working with this extremely popular framework that can be used for building a wide range of mobile and desktop applications. Apart from getting to know the materials provided by Career Foundry, I have done a lot of my own research by reading official Angular documentation, researching solutions on stack overflow and by reaching out to my tutor. This made the learning process more manageable and stress free. I came to love using Angular Material, which instantly made the look of this application more consistent and professional. In the end, through quite an enjoyable learning experience, I was able to build an application that included several interface views including registration/login view, main view that displays all films and a user profile view. I believe this approach has helped to tackle quite a steep learning curve that is associated with learning a new platform.

Sign up! Username *	
Password *	
Email *	
Birthday	
Sign Up	



Challenges

Building user interface with Angular was a little challenging because it required me to learn how to work within a new framework. However, after careful research and familiarization with Angular official documentation, I was able to gain enough knowledge to work well within this new platform. It even became my favourite framework because of all the built-in modules and services.

Duration

Learning how to work with Angular to build the client-side of my project took me a little longer than what the estimated time on the course suggested; however, I didn't mind that because I wanted to lay a strong foundation in my knowledge of Angular, so that I can build on this knowledge and acquire more advanced Angular skills in the future.

Conclusions

I am happy with the outcome of this project because I achieved the goal which was to become familiar with the basics of Angular framework, to show the ability to work with it when building user interface and to connect it to the existing server-side component. The published web application demonstrates that I was able to achieve this by building a fully functional website.

When I look back at the process and ask myself what worked well for me, I can immediately name a few things such as taking my time and familiarizing myself with Angular official documentation and trying to wrap my mind around the logic of this new framework, also doing a lot of research on stack overflow to find the solutions, and of course reaching out to my tutor for his advice and guidance.

In regard to what I would do differently, I would probably read all the additional materials that were suggested by the Career Foundry and do the bonus tasks.

In the nearest future, I am planning to familiarise myself with all the additional materials that I haven't read yet, and to do the bonus tasks suggested on the course. I would also like to do an additional Angular course on freecodecamp.org website to advance my Angular skills.