myFlix

with Angular

Overview

The myFlix Angular client is a web application that serves as the front-end for an API I've created earlier. It provides users with access to information about movies. The users are able to register and create a list with their favorite movies.

TECH STACK

- TYPESCRIPT
- HTML
- SCSS

Context

myFlix was built from scratch as a part of my 6-month CarrerFoundry Full-Stack Web Development course. The goal is to demonstrate my skills in full-stack JavaScript web development.

Objective

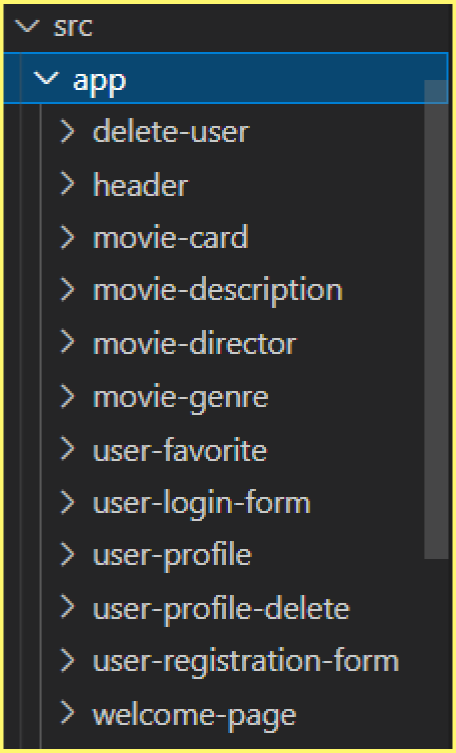
The aim of this app is to become a part of my portfolio as an ambitious full-stack project. The problem that I had to solve is to adapt the same structure of the client-side that I've already created in React to Angular.

THE PROJECT

Structure.

The components for this project were already decided by a previous task in the course. There they were created using **React** and the goal in this project was to re-write them with **Angular.**

List of components.



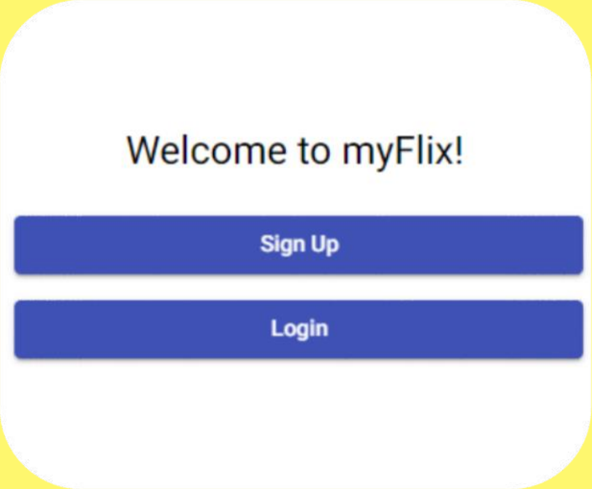
```
src
  app
    delete-user
    header
    movie-card
    movie-description
    movie-director
    movie-genre
    user-favorite
    user-login-form
    user-profile
    user-profile-delete
    user-registration-form
    welcome-page
```

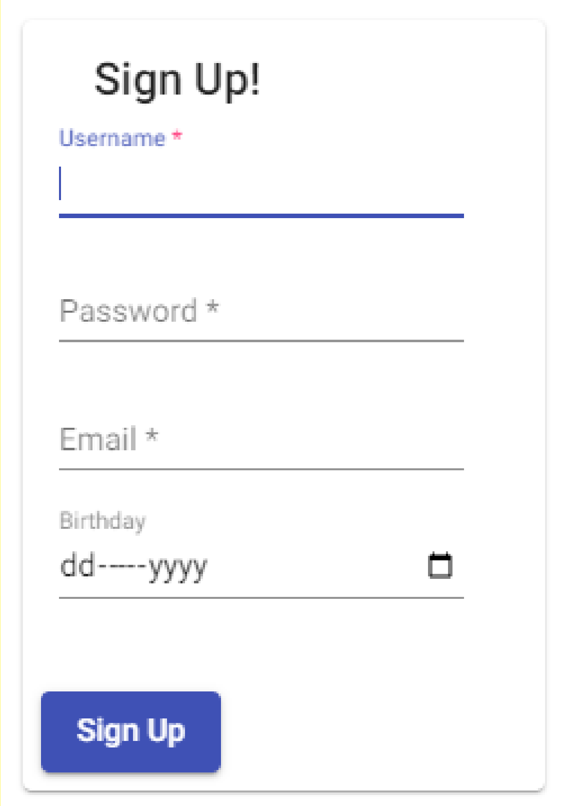
Step-by-step.

1. Welcome page
2. Movie list
3. Profile view
4. Style

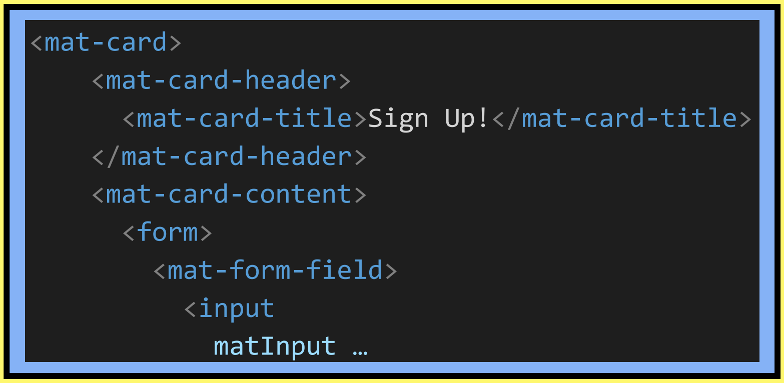
THE WELCOME PAGE

The welcome page is created with the idea to be very simple and to make it easier for the customer to navigate. A new user has the option to sign up and existing users can simply login. Of course some SCSS has been used to format the buttons and center the text but that's it for styling.





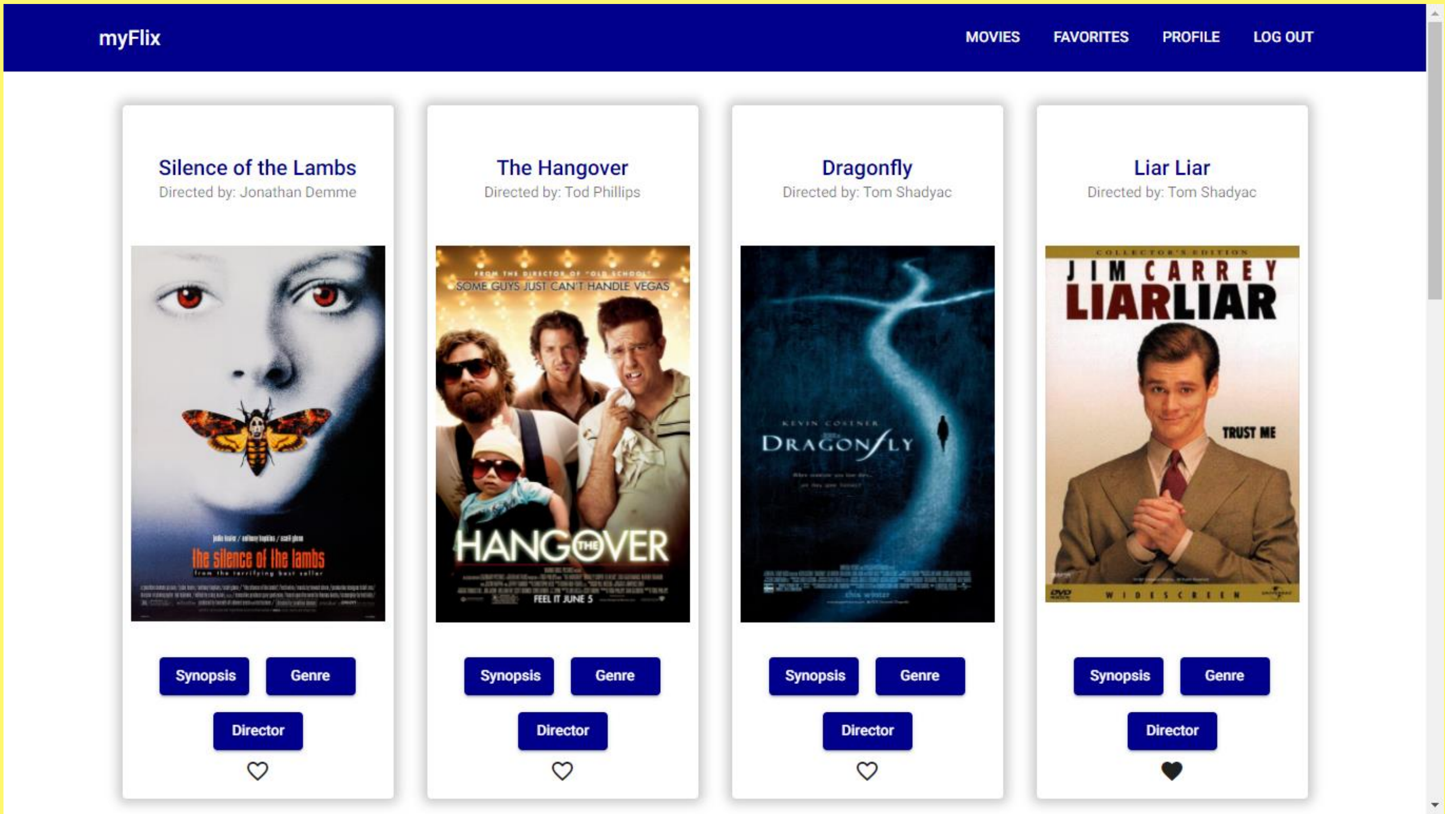
The registration component though is entirely built using Angular Material without any additional styling. This is because I wanted to achieve consistency throughout the dialogs' style.



```
<mat-card>
    <mat-card-header>
      <mat-card-title>Sign Up!</mat-card-title>
    </mat-card-header>
    <mat-card-content>
      <form>
        <mat-form-field>
          <input
            matInput …
```

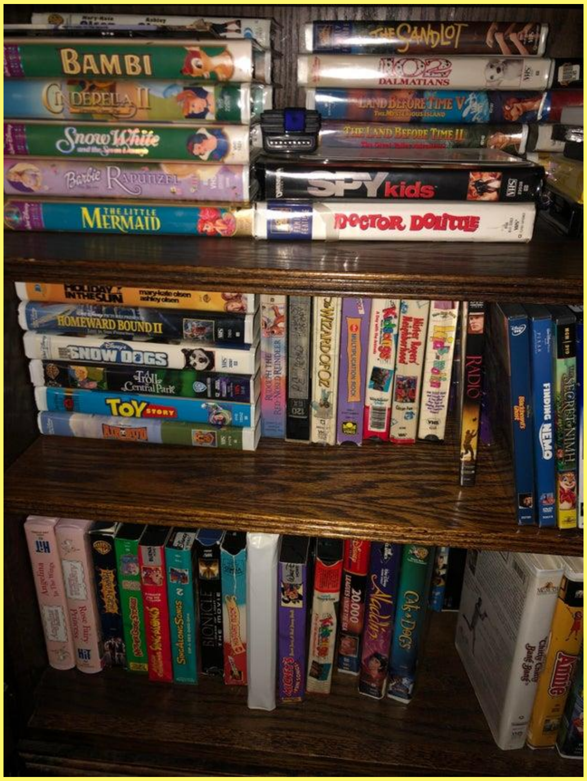
THE MOVIE LIST

- The movie list is the first component that a logged in user sees
- It shows a list of all movies
- The list is displayed using movie cards
- The movie cards have a button to add a movie to or remove it from user's favorite movies list



The movie list component is the most important in the app. It consists of all movies from the database. From there the users have the option to add a movie to their favorites list.

About the design.



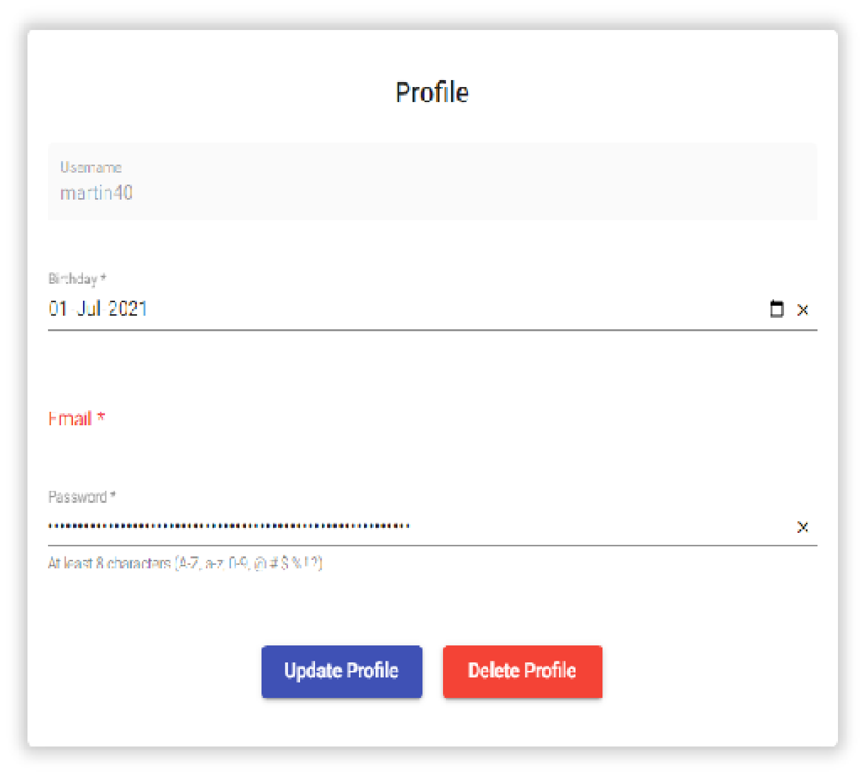
The idea the movies to be shown as movie cards was inspired from the VHS tapes covers in the 80s. Adding movies to your favorites list resembles a collection of tapes you would buy and store at home if it was 1985.

Did everything go well?

The most challenging part of this component was to create the function that adds a movie to the favorites list. It threw error 401 Unauthorized. The issue turned out to be in the POST method. It expected three parameters – URL, body and options but instead I had provided only 2. The options were replacing the body and therefore the 401.

THE PROFILE VIEW

This is the place to edit or delete a user. It's a compulsory component for apps that provide an option to register. Is again built using Angular Material in order the dialogs to look familiar to the user who already met this style while registering. As this page is about user information it had to show the current information that's in the database. So when a user goes to their profile they can see what they've shared.



Profile

Username
martin40

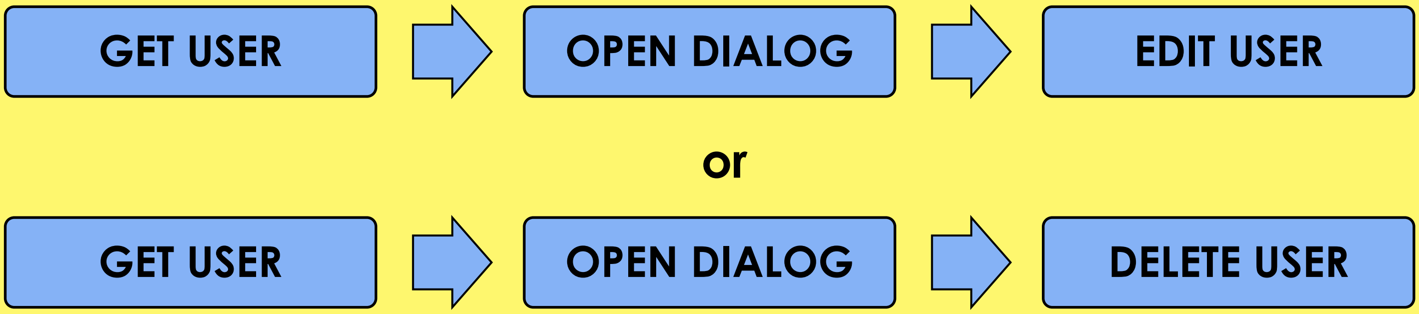
Birthday *
01 Jul 2021

Email *

Password *
••

At least 8 characters (A-Z, a-z, 0-9, @ # $ % ! ?)

How it works.



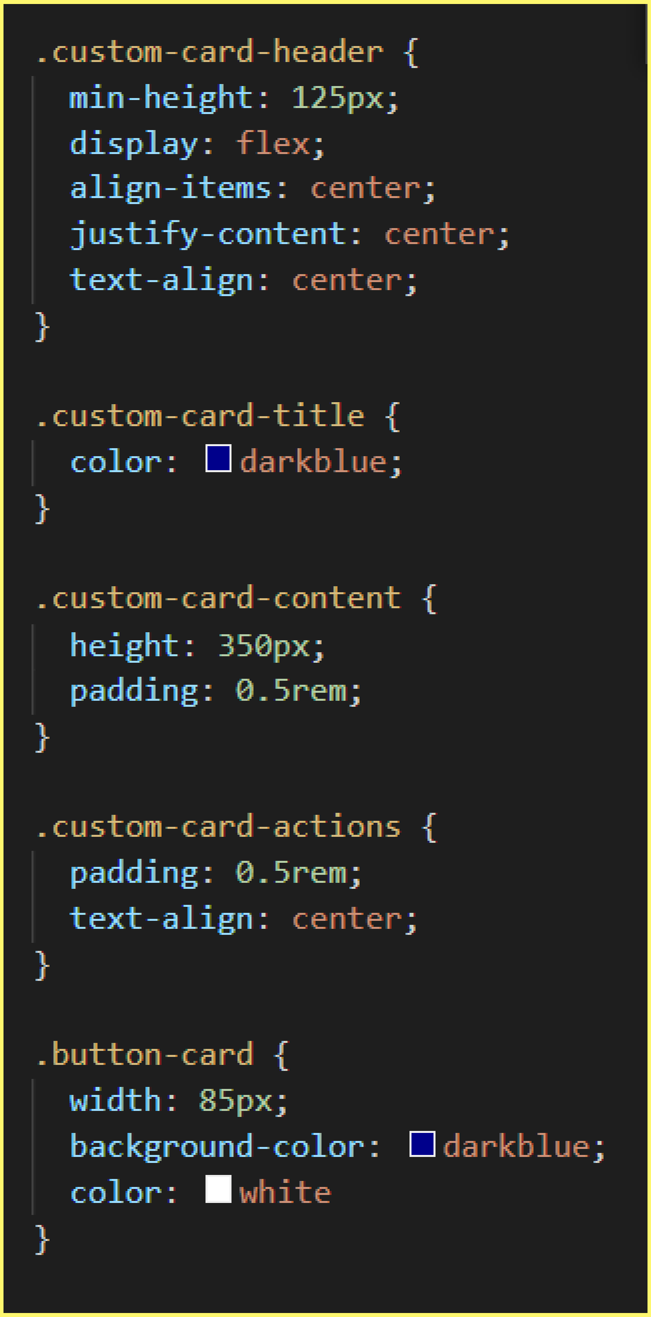
GET USER → OPEN DIALOG → EDIT USER

or

GET USER → OPEN DIALOG → DELETE USER

STYLE

The looks of all components in this app are done using SCSS. The app is made responsive and therefore users can use it on devices with different screen sizes. Following the best practices in web design I have chosen well-contrasting colors that improve readability and make it easier for the customers to navigate through. The design of the app is simple because its main purpose is to demonstrate my mastery of Angular mainly.



```scss
.custom-card-header {
  min-height: 125px;
  display: flex;
  align-items: center;
  justify-content: center;
  text-align: center;
}

.custom-card-title {
  color: darkblue;
}

.custom-card-content {
  height: 350px;
  padding: 0.5rem;
}

.custom-card-actions {
  padding: 0.5rem;
  text-align: center;
}

.button-card {
  width: 85px;
  background-color: darkblue;
  color: white
}
```

SUMMARY

This was the last project of my 6-month Full-Stack Web Development course and it was the most challenging. As I've mentioned the structure was already familiar because I had already worked on it with a previous project which had the same components but created using React. This project helped me to understand the differences between Angular and React – the most popular JavaScript Frameworks.

Because of some specifics of the two approaches I also had to add several endpoints to the API needed for different methods in Angular. This was a good opportunity to exercise previously learned skills and play around with tools like Postman.

The goal of this case study is to walk you through the process of creating a web app with Angular while learning the framework at the same time. It is a presentation of the thought process behind and would be included to my portfolio.

There is a link to the app:

https://martink21.github.io/myFlix-Angular-client/

There is a link to the repository on GitHub:

https://github.com/martink21/myFlix-Angular-client