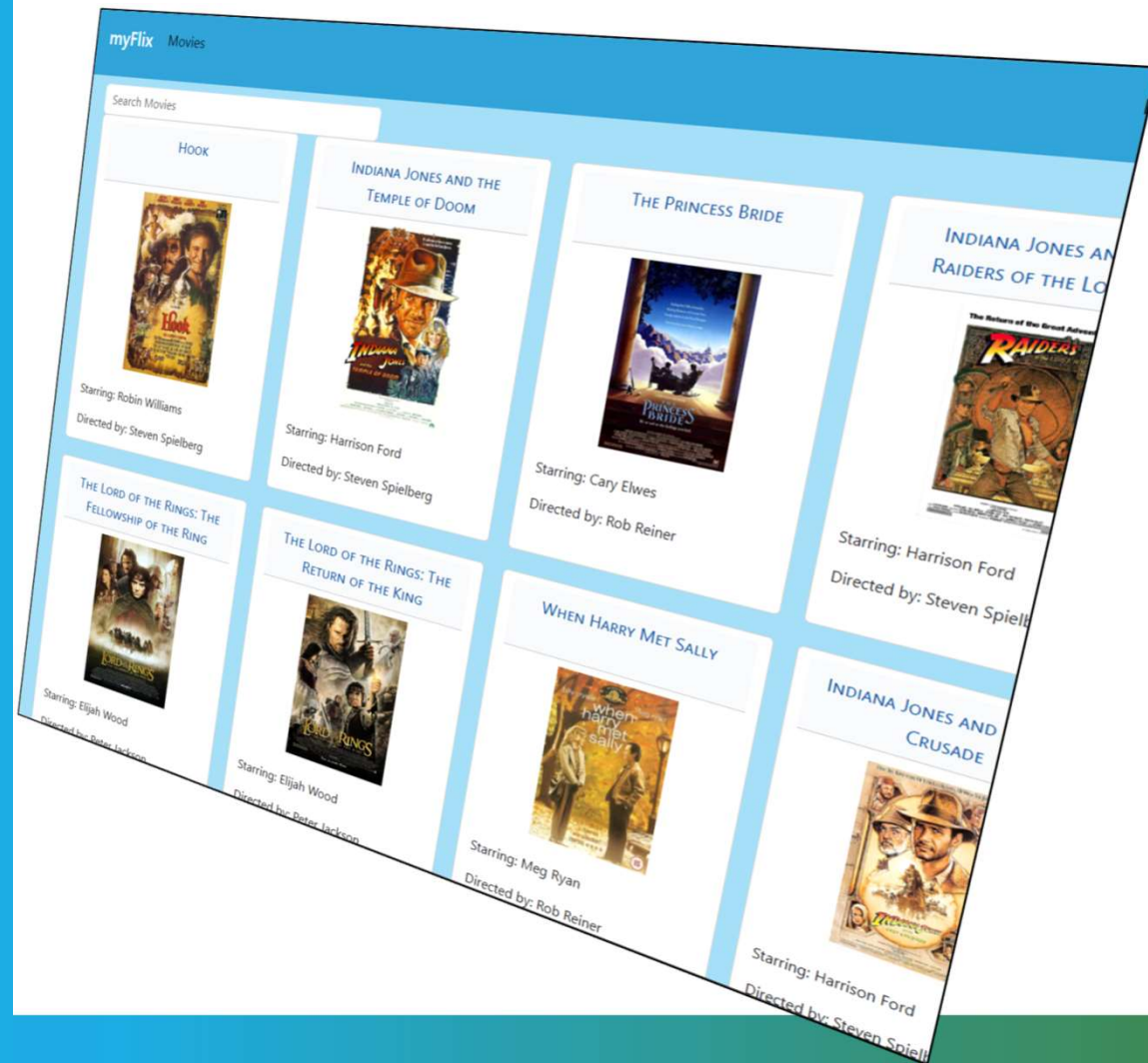


myFlix – React Client

OVERVIEW

myFlix is a web app that allows users to sign up, browse movies, and add them to a favorites list! It accesses an API that I also made in order to provide information about movies, directors, and genres.



myFlix was a project that I developed as part of my Full-Stack web development course at CareerFoundry to showcase what I learned about JavaScript and React. After building an API containing movie information, I realized I needed an effective way to present my work. To solve this, I created myFlix – an intuitive and user-friendly interface that allows users to seamlessly interact with my API.

Duration

This was one of my longer projects, taking two months to complete. Balancing work and other responsibilities made the process more challenging, and it took longer than I initially anticipated. However, building a fully functional website from scratch is an achievement I'm incredibly proud of.

Credits

- Lead Developer – Hannah Hogan
- Mentor – Drew Mercer
- Tutor – Davi Ferreira
- Consultants – Tim Pamplin and Jason Pamplin

TOOLS AND SKILLS

MERN stack

React

Bootstrap

Postman

Redux

Heroku

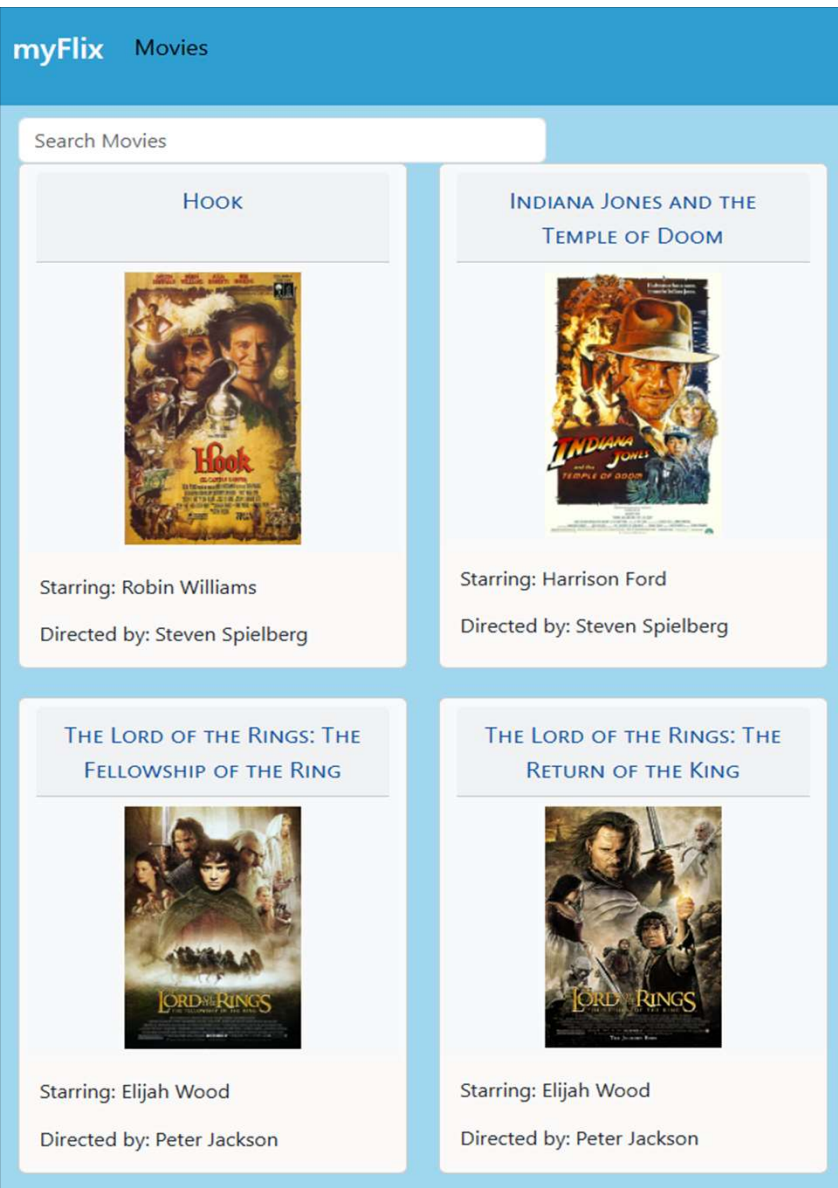
Parcel

VSCode

Netlify

Git/GitHub





In order to access my API in an intuitive way, I needed to create multiple “Views”

Main View:

This view enables users to browse movies and see brief details about each one. To achieve this, I utilized React-Bootstrap’s Cards, allowing me to design a single card component and dynamically generate a new instance for each movie. This approach ensured a consistent and visually appealing layout while streamlining the development process.





The Matrix

Hacker Thomas Anderson, known online as Neo, discovers that the world he lives in is a simulated reality created by a powerful AI to subjugate humanity. He joins a group of rebels led by Morpheus to fight against the machine world. Neo's hidden potential as "The One" prophesied in the machine world's code allows him to defeat the powerful agents, Neo must embrace his true identity that transcends both reality and illusion.

Director:

The Wachowskis

The Wachowskis, Lana and Lilly, are American filmmakers best known for directing *The Matrix* (1999), which became a landmark in science fiction and action filmmaking. The duo is also recognized for their work on *Cloud Atlas* (2012) and *Sense8* (2015), exploring themes of identity, technology, and society.

Starring:

Keanu Reeves

Genre:

Action

Action films are centered around intense and thrilling sequences, often featuring high-energy chases, explosions, and combat. They are typically fast-paced, with a focus on visual spectacle. The protagonists are often placed in situations where they must overcome obstacles, defeat villains, or survive dangerous environments. Action movies can include a mix of genres, from martial arts to superhero and war films, but they all focus on adrenaline-pumping moments.

In order to access my API in an intuitive way, I needed to create multiple "Views"

Movie View:

This view provides users with detailed information about a selected movie. For example, instead of simply displaying the director's name, it includes a short biography to offer more context. Additionally, this view allows users to add the movie to their favorites list, enhancing personalization and user engagement.



Hannah
Email: email@email.com
Birthday: 02/05/2025

Favorite Movies

- Hook
- The Princess Bride
- The Lord of the Rings: The Fellowship of the Ring
- The Lord of the Rings: The Return of the King
- The Lord of the Rings: The Two Towers
- The Avengers
- Back to the Future
- The Matrix
- The Dark Knight
- The Hunger Games

[Update info](#) [Delete Account](#)

[Back](#)

In order to access my API in an intuitive way, I needed to create multiple “Views”

Profile View:

This view enables users to view and edit their personal information while also providing access to their list of favorite movies. One unexpected challenge I encountered was formatting the user's birthday. By default, the date included an unnecessarily detailed time component down to the millisecond—an impractical level of precision for a birthdate. To resolve this, I used a split function to extract only the relevant parts, displaying the date in a more user-friendly format with just the month, day, and year.



Log in

Username:

Password:

Submit

Or Sign up!

Username:

Password:

Email:

Birthday:

Submit

In order to access my API in an intuitive way, I needed to create multiple “Views”

Login/Signup View:

To access movies or manage an account, users must first sign up. The signup view generates a unique user ID and an authentication token upon registration. When logging in, the system verifies the username and password against the stored credentials in the database. Additionally, the authentication token is checked to ensure it matches the one associated with the user before granting access.



OTHER CONSIDERATIONS

Remove from Favorites!

Add to Favorites!

I also needed to implement a way for users to add movies to their favorites list. This was one of the more complex components to develop, as I wanted the favorites to be displayed in multiple locations. While adding or removing movies from the list was straightforward, I also wanted the "favorite" button to dynamically update based on whether a movie was already in the list. To achieve this, I created an "isFavorite" state that could be toggled between true and false. This state determined whether to display an "Add to Favorites" or "Remove from Favorites" button, ensuring a seamless user experience.

Styling and Mobile Accessibility

For styling, I utilized React Bootstrap to create a clean and responsive design. To enhance accessibility for mobile users, I made each movie card clickable, allowing users to access more details with a simple tap. This approach eliminates the need for tapping on small links, improving usability on smaller screens.

Navigation Enhancements

While the navigation bar functioned well on desktop browsers, it was not optimized for mobile devices. To address this, I implemented Bootstrap's collapse feature, transforming the traditional navigation bar into a dropdown menu that provides a more user-friendly experience on phones.

Filtering Functionality

To improve content discoverability, I integrated Redux to enable filtering movies by title. This feature allows users to quickly find specific movies, enhancing the overall browsing experience.

FINAL THOUGHTS

Project Initiation

- At the outset, my primary objective was straightforward: to develop a front-end application that could interact with my API. However, I initially underestimated the complexity of the process.

Challenges and Learning Experience

- As I began working, I quickly realized the numerous challenges involved in building a functional web application. Given that this was my first significant web development project, I found the scope of tasks somewhat overwhelming. Nonetheless, by taking a step-by-step approach, I was able to navigate through the difficulties and steadily make progress.

Final Outcome and Future Improvements

- Ultimately, I produced a final product that I am genuinely proud of. While the core functionality and content are well-implemented, I recognize that there is room for improvement—particularly in terms of styling and design. My next steps involve refining the user interface to create a more polished and cohesive visual experience.