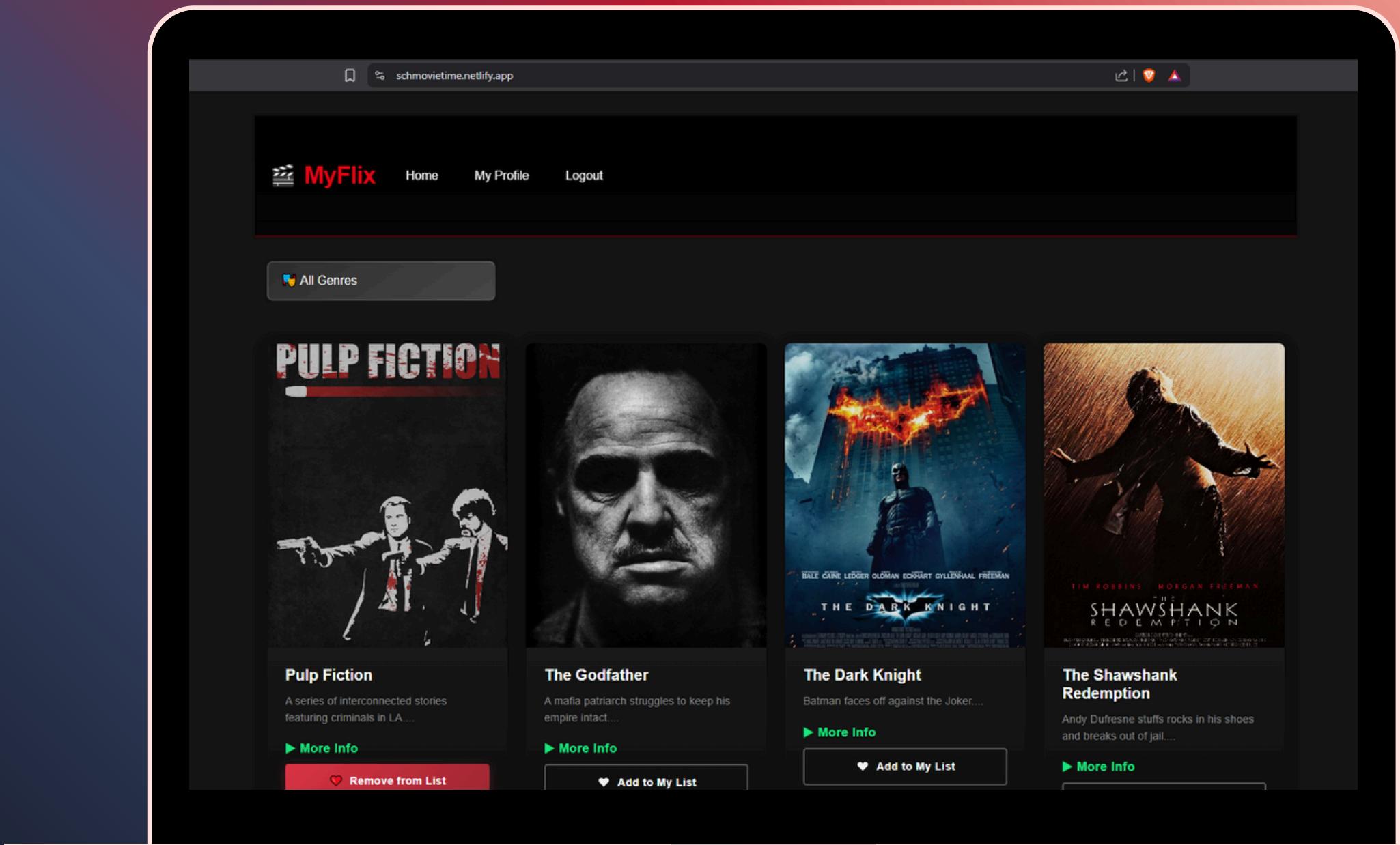


Case Study: MyFlix App

October
2025



The screenshot shows a dark-themed web application for "MyFlix". At the top, there's a navigation bar with a movie camera icon, the text "MyFlix", and links for "Home", "My Profile", and "Logout". Below the navigation, a button labeled "All Genres" is visible. The main content area displays four movie cards in a row:

- PULP FICTION**: A black and white image of two men holding guns. Below the image, the title "Pulp Fiction" is displayed, followed by a brief description: "A series of interconnected stories featuring criminals in LA...." and two "More Info" buttons.
- The Godfather**: A close-up portrait of Marlon Brando as Don Corleone. Below the image, the title "The Godfather" is displayed, followed by a brief description: "A mafia patriarch struggles to keep his empire intact...." and two "More Info" buttons.
- The Dark Knight**: An image of the Dark Knight standing in front of a burning city skyline. Below the image, the title "The Dark Knight" is displayed, followed by a brief description: "Batman faces off against the Joker...." and two "More Info" buttons.
- The Shawshank Redemption**: A scene from the movie showing Andy Dufresne in the rain. Below the image, the title "The Shawshank Redemption" is displayed, followed by a brief description: "Andy Dufresne stuffs rocks in his shoes and breaks out of jail...." and two "More Info" buttons.

Each movie card also features a "Remove from List" button (red with a heart icon) and an "Add to My List" button (white with a heart icon).

Presented by
 **Tommy Scholl**

Project Overview

MyFlix is a single-page, responsive web application built with React that serves as the client-side interface for a movie database API. The application provides movie enthusiasts with a comprehensive platform to explore film information, create personalized accounts, and curate their favorite movie collections.

Designed with a modern streaming service aesthetic in mind, reminiscent of Netflix and Hulu, MyFlix delivers an engaging user experience across all devices.

All Genres

PULP FICTION

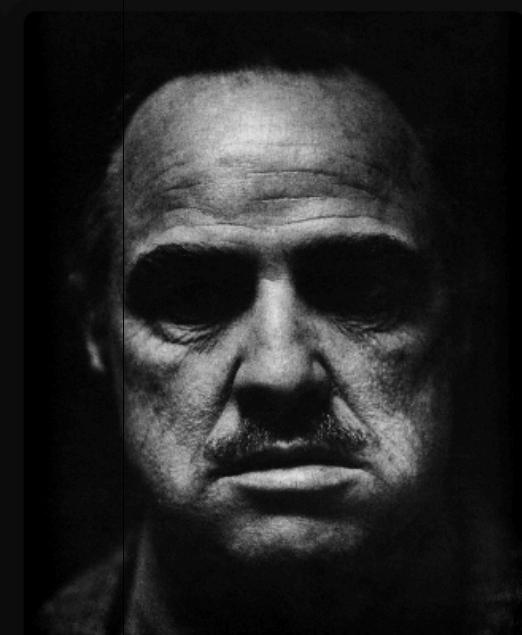


Pulp Fiction

A series of interconnected stories featuring criminals in LA....

[► More Info](#)

 Remove from List



The Godfather

A mafia patriarch struggles to keep his empire intact....

[► More Info](#)

 Add to My List



The Dark Knight

Batman faces off against the Joker....

[► More Info](#)

 Add to My List



Context and Purpose



MyFlix serves as both a learning exercise in advanced React patterns (hooks, routing, state management) and a demonstration of my ability to create production-ready applications with professional UI/UX design standards.

The Godfather

Crime

A mafia patriarch struggles to keep his empire intact.

Director
Francis Ford Coppola
Francis Ford Coppola is an american filmmaker best known for the Godfather series.

Genre
Crime movies center around criminal activity and the consequences of breaking the law.

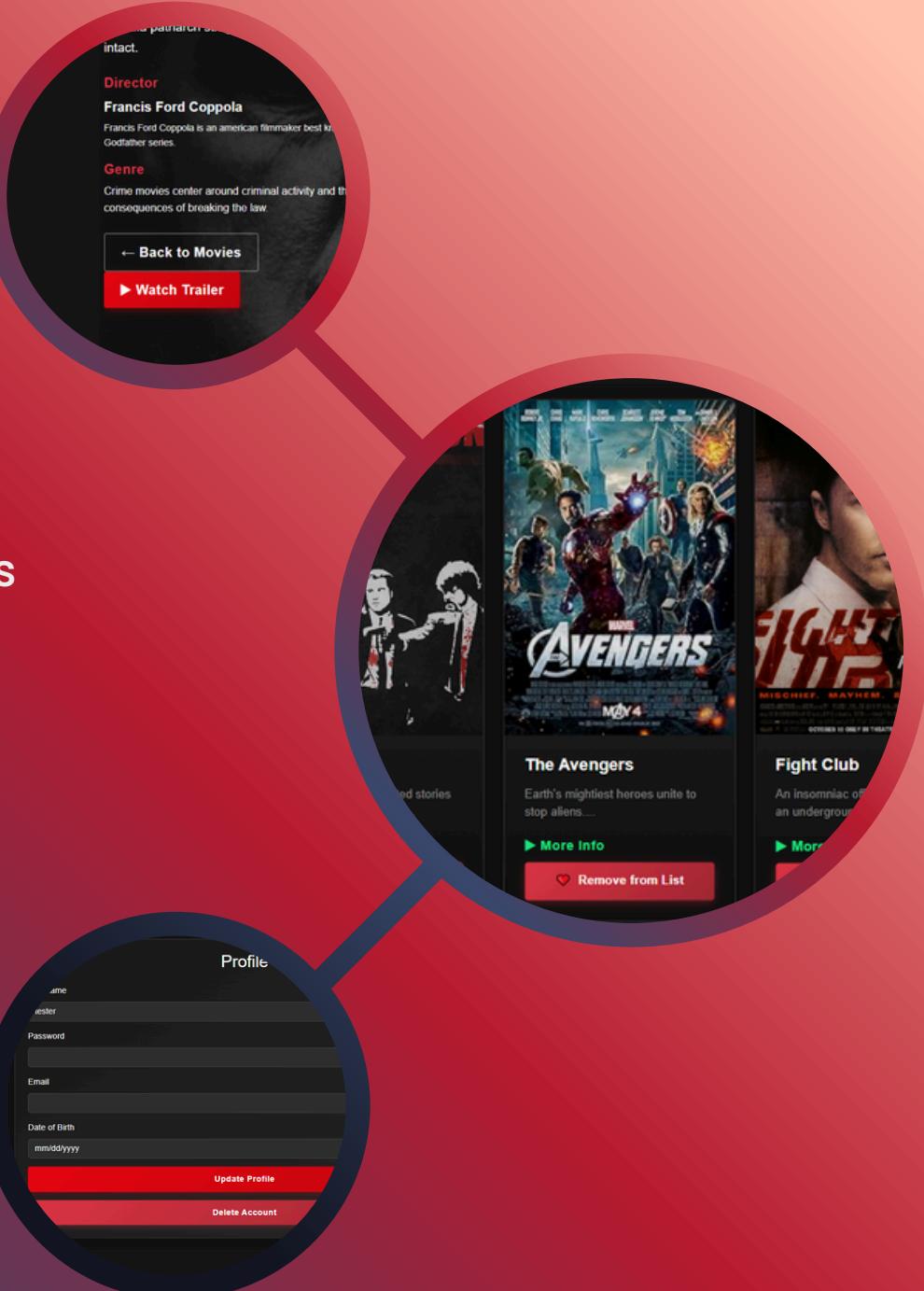
[← Back to Movies](#)

[▶ Watch Trailer](#)

A black and white movie poster for "The Godfather". It features a close-up portrait of Marlon Brando as Don Corleone, looking intensely at the viewer. The background is dark and moody.

Project Objectives

- Create a comprehensive movie discovery platform
- Implement secure user authentication and profile management
- Develop an intuitive favorites system
- Demonstrate the coolest features of the modern React ecosystem
- Build a responsive, accessible application that provides consistent functionality across desktop, tablet, and mobile devices
- Integrate seamlessly with a custom RESTful API to perform CRUD operations



Tools & Methodologies

1. Component-Based Architecture
2. State Management with React Hooks
3. Responsive Design Strategy
4. API-First Development

Front End

- ES6 Javascript
- Sass/SCSS
- React
- React Bootstrap
- Parcel

Back End

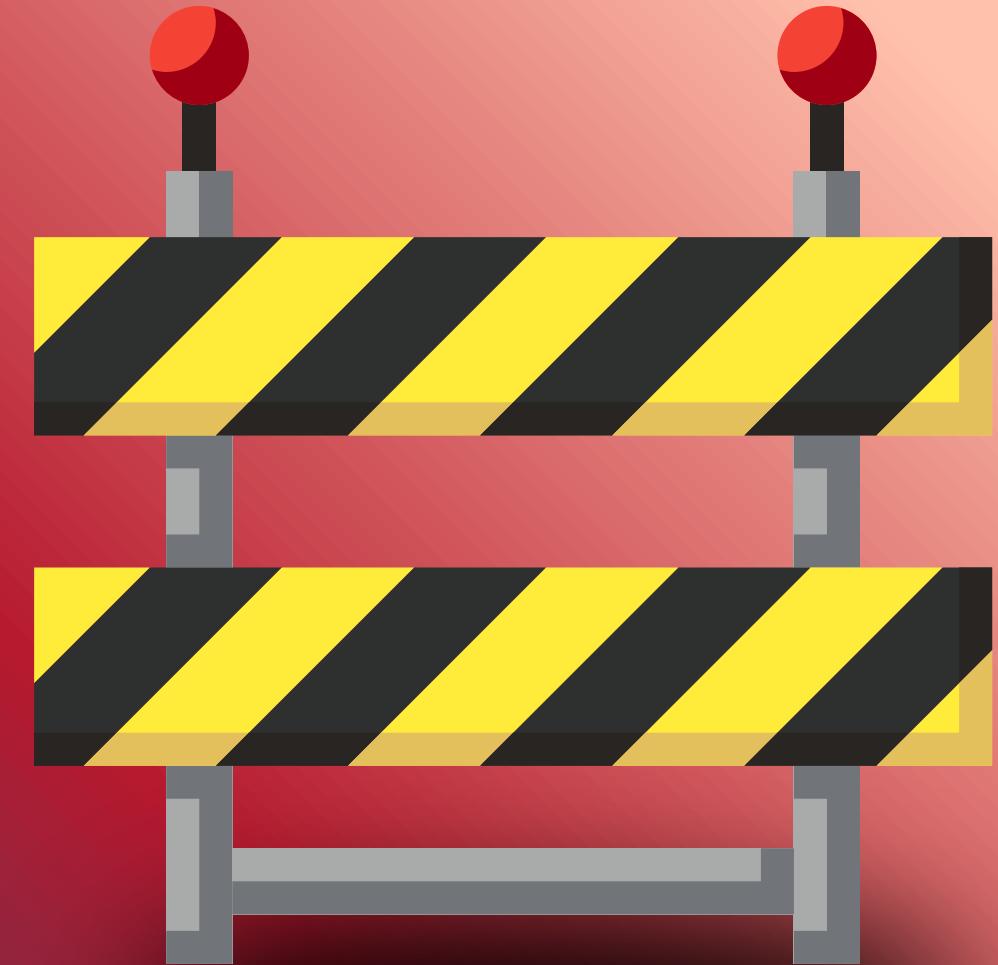
- MongoDB Atlas
- Heroku
- Node.js
- Netlify Continuous Integration



Challenges

By far the greatest challenge of this project was troubleshooting version conflict issues with Netlify, React and Bootstrap which complicated the build process. I solved these issues by carefully reinstalling the correct versions of each technology in a specific order.

It was also difficult to create a Netflix-style interface that maintains visual appeal and functionality across drastically different screen sizes, from mobile phones to large desktop displays. For this I utilized some AI tools to soften the edges on my CSS and other code styling.



Conclusion

The MyFlix application successfully demonstrates proficiency in modern React development while delivering a fully functional movie discovery platform. The project showcases ability to work with contemporary frontend technologies, implement complex user flows, and create engaging UI/UX that rivals commercial streaming platforms.

This project serves as a strong portfolio piece that effectively communicates technical capabilities in React ecosystem, API integration, responsive design, and modern web development best practices.



Tommy Scholl

Username
tester

Password

Email

Date of Birth
 mm/dd/yyyy

Update Profile

Delete Account

Favorite Movies

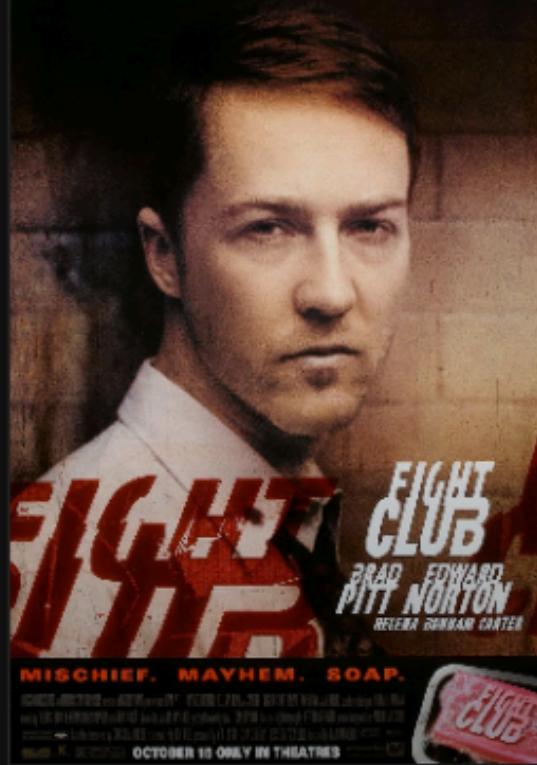
PULP FICTION



Pulp Fiction



The Avengers



Fight Club