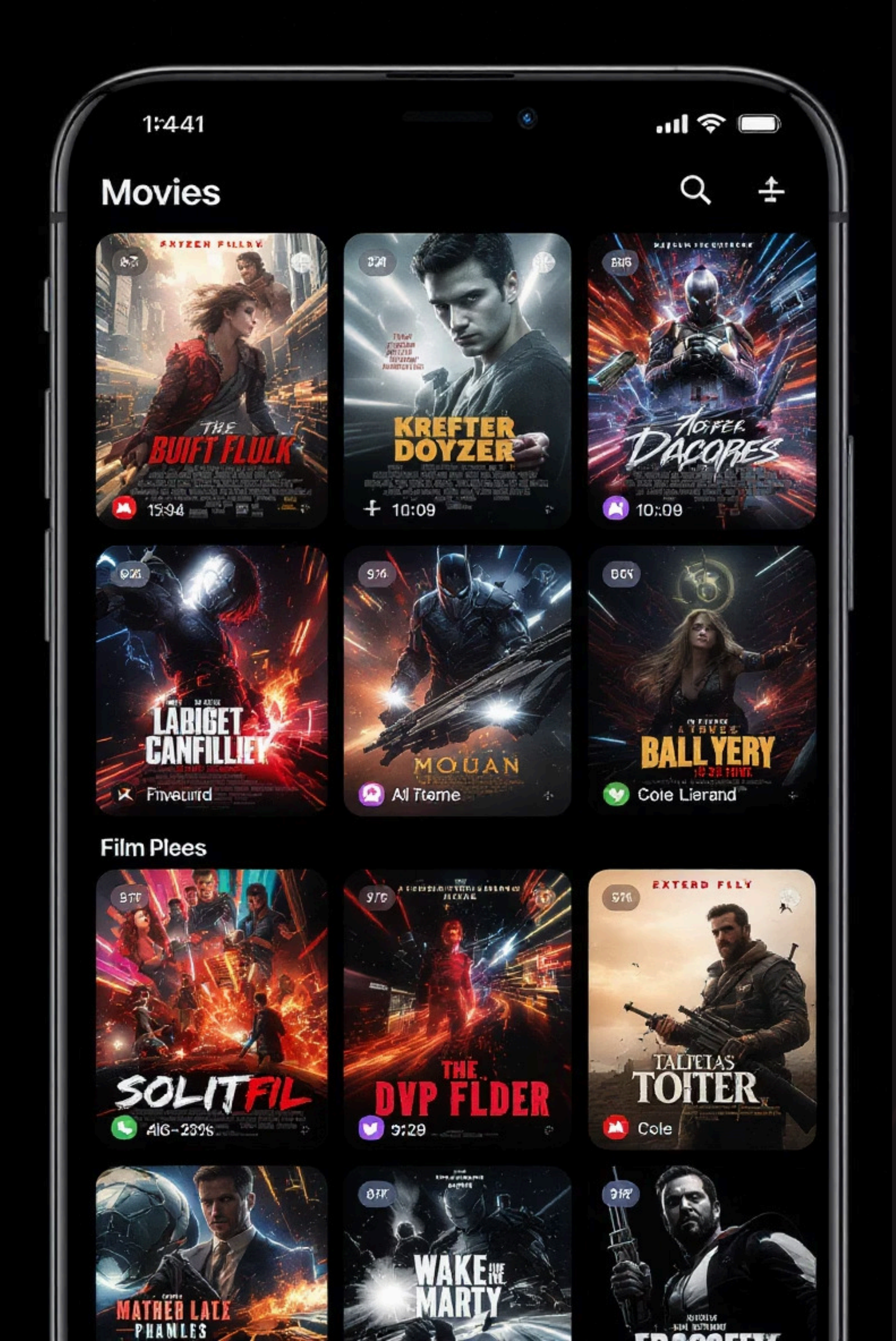


myFlix – Movie App

🎬 A responsive React-based SPA for movie lovers

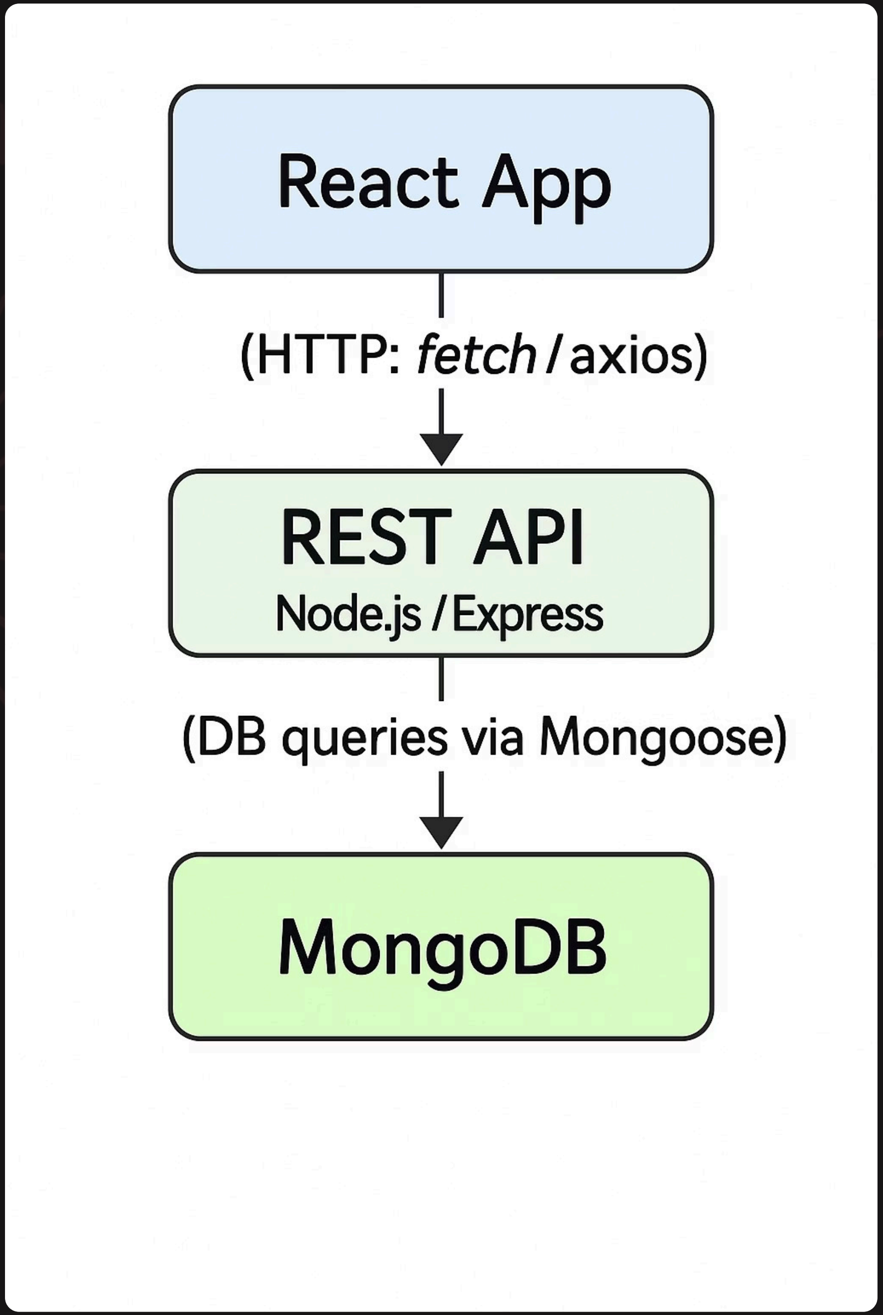
Made with GAMMA

Project Objective

Goal: Build the client-side of the myFlix app using React to connect with a REST API.

Tasks:

- Create an SPA with multiple views
- Implement REST API interactions
- Design a responsive, user-friendly UI



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The 5 Ws

Who

Movie lovers

What

A web app to browse and manage movie data

When

Anytime, from any device

Where

Online and responsive

Why

To conveniently explore, save, and manage movie favorites

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Key Features

User Registration & Login

Secure authentication system for users

Profile management

Update personal information and preferences

Movie browsing & filtering

Search and filter through the movie collection

Favorite movie list

Save and manage favorite movies

Detailed views

Movie, genre, rating and director information

SPA navigation

Using React Router for seamless experience

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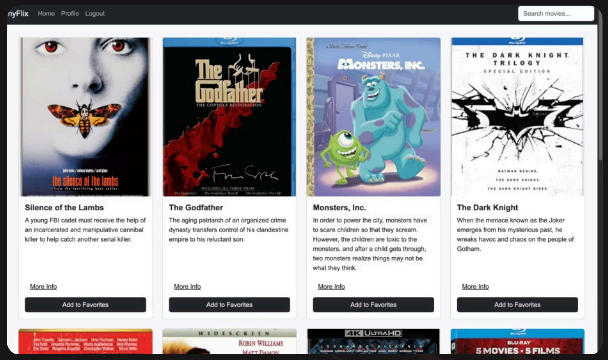
Visual Highlights



Silence of the Lambs
A young FBI cadet must receive the help of an incarcerated and manipulative cannibal killer to help catch another serial killer.

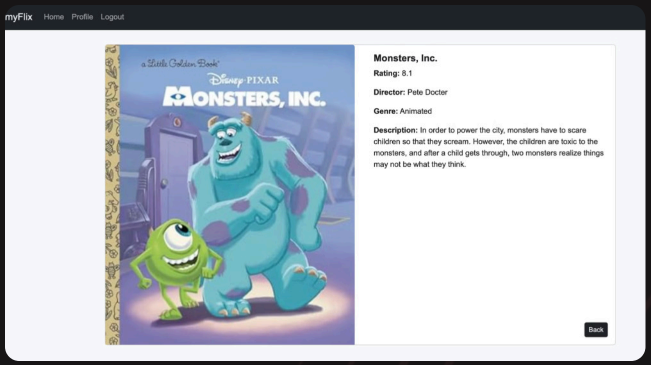
The Godfather
The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.

Monsters, Inc.
In order to power the city, monsters have to scare children so that they scream. However, the children are toxic to the monsters, and after a child gets through, two monsters realize things may not be what they think.

The Dark Knight
When the menace known as the Joker emerges from his mysterious past, he wreaks havoc and chaos on the people of Gotham.

MainView

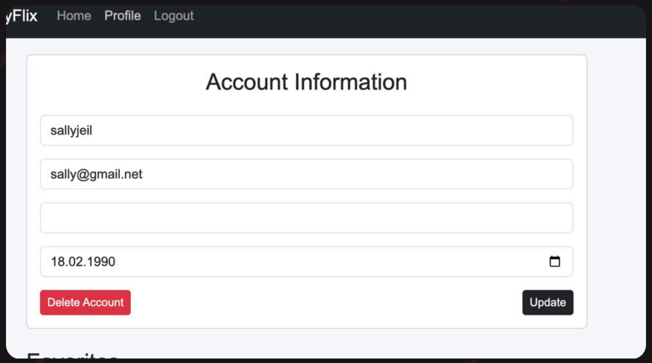
- Browse the full list of movies
- Use the search bar to find specific titles
- Click on a movie to view detailed information (synopsis, genre, director, rating)
- Add movies to your list of favorites directly from the main screen
- Remove movies from the favorite list



Monsters, Inc.
Rating: 8.1
Director: Pete Docter
Genre: Animated
Description: In order to power the city, monsters have to scare children so that they scream. However, the children are toxic to the monsters, and after a child gets through, two monsters realize things may not be what they think.

MovieCard

- View movie details



Account Information
sallyjeil
sally@gmail.net

18.02.1990

Profile View

- Ability to update personal information
- Delete account
- View list of favorite movies

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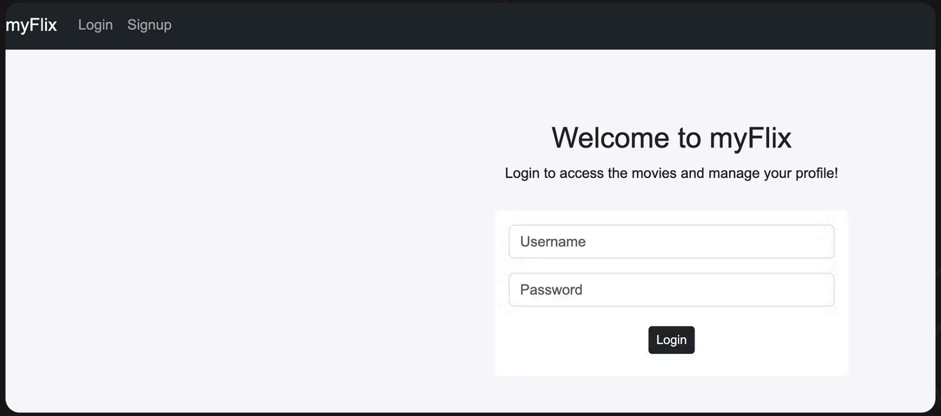
Visual Highlights


myFlix Login Signup

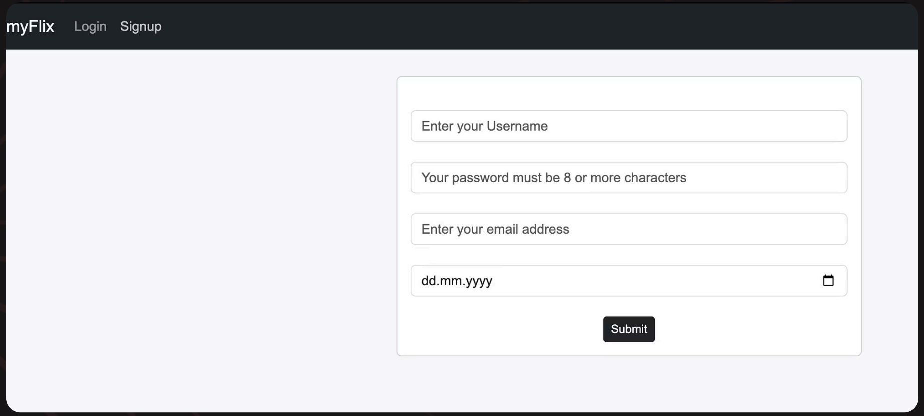
Welcome to myFlix

Login to access the movies and manage your profile!

Username

Password

Login


myFlix Login Signup

Enter your Username

Your password must be 8 or more characters

Enter your email address

dd.mm.yyyy

Submit

Login View

- Allows users to log in using a username and password

Signup View

- Allows new users to register with a username, password, email, and date of birth

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Tech Stack

Frontend

- React
- React Router
- Bootstrap

Backend

- REST API
- Node.js
- Express
- MongoDB

Build & Deployment

- Parcel (Build Tool)
- Netlify (Hosting)
- React Redux

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App Architecture Overview

The application follows a modern React architecture with reusable components, efficient routing, and responsive design principles.

1

Component-Based Design

Structured UI using reusable, modular components.

2

State Management with Hooks

Functional components with `useState`, `useEffect`, and custom hooks.

3

Routing and Navigation

Implemented using React Router for client-side navigation.

4

API Integration

Data fetching and updates via `fetch` to interact with a RESTful API.

5

Responsive Layout with Bootstrap

Used Bootstrap framework to ensure responsive and mobile-friendly design.

6

Modern React Patterns

Includes lifting state up, conditional rendering, and effectful logic separation.

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Results & Outcome

Successfully deployed responsive SPA

A fully functional single-page application accessible on all devices

Full functionality

Complete user journey: register, browse, update, manage favorites

Real-world proof of MERN stack proficiency

Demonstrated skills in modern web development technologies

Ready to include in professional portfolio

Showcases full-stack development capabilities

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Challenges & Solutions

Building a Single-Page Application (SPA)

- Needed smooth navigation without full page reloads.
- Implemented client-side routing and React components for dynamic rendering.
- Achieved fast, seamless user experience and strengthened React skills.

State Routing & URL Synchronization

- Required URLs to stay in sync with app state for sharing and navigation.
- Used React Router to manage routing state and synchronize URLs.
- Enabled intuitive navigation with shareable, accurate URLs.

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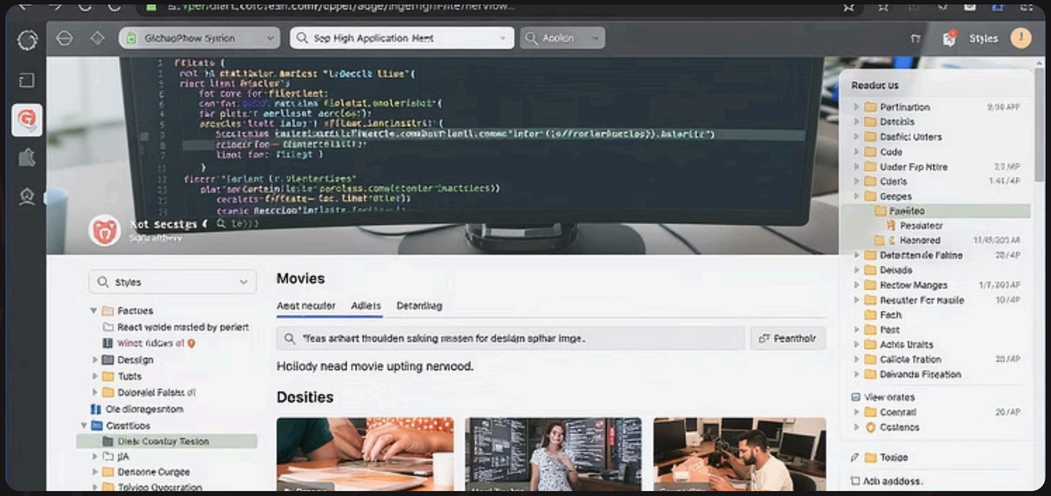
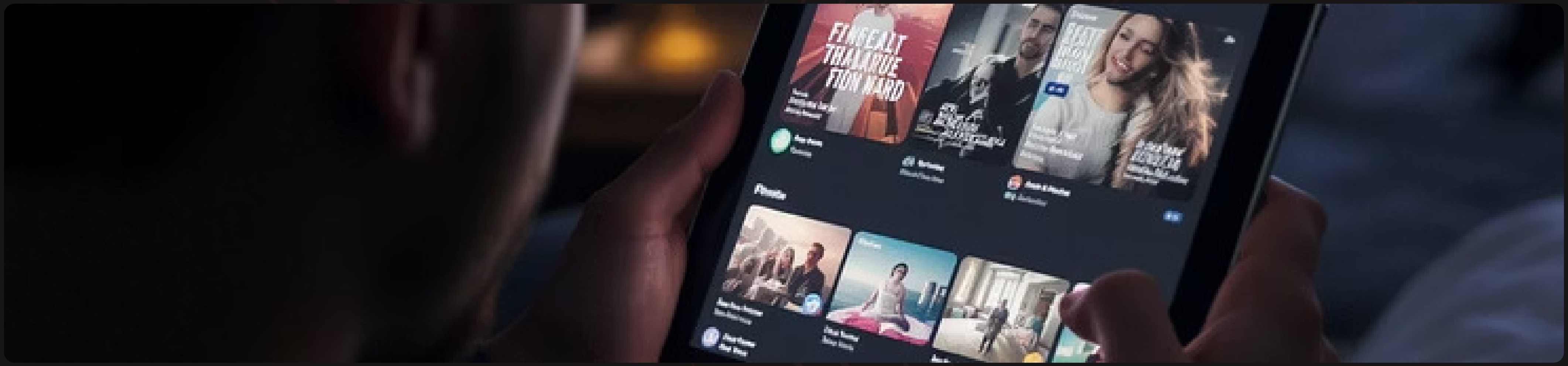
Useful Links





Live App:

m-flixx.netlify.app

myFlix

Source Code:

- https://github.com/o-vilna/MyFlix-client
- https://github.com/o-vilna/movie_api

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