

OWERVIEW

FlixList is a responsive single-page web application designed for movie enthusiasts, offering a rich and interactive user experience.

Developed as part of a full-stack
JavaScript project, FlixList seamlessly
integrates with an existing server-side
codebase, providing users with a
platform to explore, save, and learn
more about their favorite movies.



Username: User 1

Password: password1





FlixList was conceived as a personal project during my web development course at CareerFoundry. The goal was to demonstrate proficiency in full-stack JavaScript development. The project involved building the complete server-side and client-side for the application from scratch, as outlined in the project brief for the API.







Server-Side

I initiated the project by developing a RESTful API using Node.js and Express. The API interacts with a MongoDB database, employing CRUD methods for data retrieval and storage. To ensure security, I implemented user authentication and authorization through basic HTTP authentication and JWT.

ENDPOINTS HERE (documentation.html)

BUSINESS LOGIC: I structured the server-side code to handle the essential functions of FlixList. This involved setting up models to keep the data consistent. I used MongoDB, a flexible database, to store information.

DEPLOYMENT: For hosting FlixList, I chose MongoDB because it provides more flexibility. I deployed the app on Heroku and stored the data in MongoDB Atlas, ensuring a reliable and scalable setup.

SECURITY:

<u>Login Security</u>: HTTP authentication

<u>Authorization</u>: JWT tokens

CORS Setup: Applied CORS to prevent security issues

related to cross-origin requests.

Password Protection: Implemented strong password

hashing for user account security.

TESTING AND DEPLOYMENT: Tested the app's API using Postman to make sure it works smoothly and handled data accurately. I then deployed the app on Heroku for online access. MongoDB Atlas hosted the database, ensuring data reliability





Client -Side

Moving on to the client-side, I employed React and React-Redux to craft a user-friendly single-page application. This includes various views such as the main view, single movie view, login view, registration view, and profile view, each contributing to an enhanced user experience.

VISIT SITE

Username: User 1

Password: password1

The Build

My aim was to grasp the MVC architecture design pattern. I opted for React due to its speed and ease of maintenance. To handle build operations, I employed Parcel.

Components

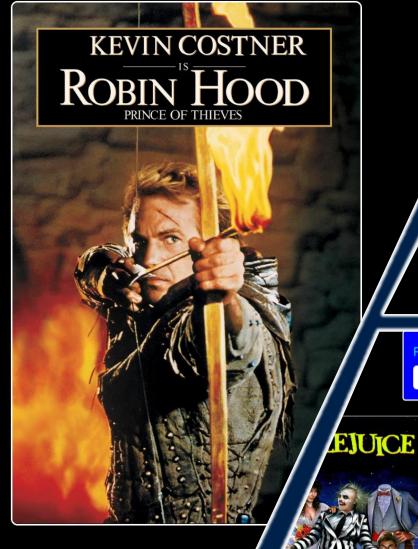
After the initial build, I created components for different views and used hooks to manage the application state. Axios was used to fetch data from the previously developed API.

Design

To ensure a consistent and appealing layout, React Bootstrap came in handy for designing pages and cards. App-routing on the client-side added an authentication layer for accessing views.

Final Product

To enhance state management and scalability, Redux was integrated into the application. The completed project found its home on Netlify, making it accessible online.





Username

Password

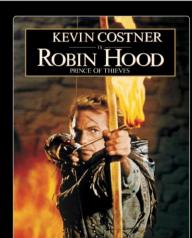
Login

Now Hear? Cian Ha

Filter by Genre:

All Genres







Title: Robin Hood: Prince of Thieves

Description: Robin Hood decides to fight back as a

the Sheriff of Nottingham and also to win back the la

Director: Vovin Povnolde

CHALLENGES

While constructing the API was a somewhat smooth process, navigating React and Redux on the client-side presented significant challenges. Troubleshooting with my tutor and mentor was invaluable in overcoming these hurdles. This was both my favorite and most challenging project. Deploying the project on Netlify added another layer of complexity, but through collaborative learning and perseverance, I successfully conquered these challenges.

DURATION

The development of the client-side component took longer than expected, reflecting the time invested in understanding React and React-Redux. My issues with deployment also contributed to the extended duration.

TECHNOLOGIES

Server-Side Development

- Node.js
- Express
- Mongo DB
- MERN stack

Client-Side Development

- React
- Bootstrap

Additional Technologies

- Postman
- Heroku
- Axios
- Redux
- JWT Authentication

CREDITS

•Lead Developer: Stephanie Duda

•Tutor: Andrew Muscara

•Mentor: Sarah Rohl