



Advanced Web and JavaScript and API Management project

FINAL PROJECT

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Title: Movie Rating App

Description:

A movie rating app using React that allows users to rate movies and see ratings from other users and can preview the movies.

Features:

- User registration and login
- welcome page with last seen films, new movies and recommendations
- play film (mock)
- Search and filter functionality to find movies
- Movie rating system using stars or numerical values
- User profile page to see all ratings and reviews

Technology Stack:

- React
- Java Spring boot
- Maven
- Node.js
- MongoDB
- Postgresql
- Docker
- Express.js

Functionalities:

User Registration and Login:

This movie rating app has a registration and login system that allows users to create an account and sign in to the app. The registration form includes fields for the user's name, email address, and password. Users should be able to log in to the app using their username and password.

Movie Search and Filter:

This app allows users to search for movies based on their movie titles and able to displays the overall ratings and reviews submitted by the user and description about the movie.

Play Mock:

This app allows users to play the preview of the movies.

Movie Rating System:

This app has a movie rating system that allows users to rate movies using numerical values, able to comment. Users should be able to rate the same movie multiple times and update their ratings later.

User Interface Design (UI):

The User Interface Design of this app is used by React.

Database Design:

This app uses Postgres as a database to store user data information for signup and login and also it uses Mongo DB as a database to store movie rating and reviews.

API Design:

This app uses a Restful java API and node API to communicate between the front-end and back-end. The java API is designed to handle the user authentication, movie search and the node API is designed to handle the rating submissions.

System Architecture:

This app uses three-tier architecture, with the front-end, back-end, and database layers. The front-end is built using React, while the back-end is java, Node.js and Express.js. Postgres DB and Mongo DB are used as the database.