Movie Review Application

Akshaya M G[1] and Dr. T. Mahalakshmi[2]
Student, IV Semester, MCA[1]
Professor and Principal, Department of Computer Applications[2]
Sree Narayana Institute of Technology, Kollam, Kerala, India

Abstract: *The Movie review app is an app that allows users to search for movies by title, view detailed information about specific movies, and leave reviews for movies they have watched. The app's user interface was designed to be responsive and intuitive, with a clean and modern look. To build the app, the students used a variety of tools and technologies, including React components, the fetch function, and a movie database API. The students also implemented routing using the react-router-dom library and handled form submission and input validation. In addition to the core movie review functionality, the students also added several additional features, such as the ability to filter search results by release year and the option to sort reviews by date or rating. Overall, the movie review app was a successful student project that demonstrated the students' skills in web development and their ability to work with React..*

Keywords: HTML, CSS, JavaScript

I. INTRODUCTION

The "Movie Review" is an app that allows users to search for movies by title, view detailed information about specific movies, and leave reviews for movies they have watched. The app'suser interface was designed to be responsive and intuitive, with a clean and modern look.

To build the app, the students used a variety of tools and technologies, including React components, the fetch function, and a movie database API. The students also implementedrouting using the react-router-dom library and handled form submission and input validation. In addition to the core movie review functionality, the students also added several additionalfeatures, such as the ability to filter search results by release year and the option to sort reviewsby date or rating. Overall, the movie review app was a successful student project thatdemonstrated the students' skills in web development and their ability to work with React. The website may utilize various technologies and frameworks, such as React, HTML, CSS, JavaScript, and server-side languages, to create a seamless and engaging user experience.

There are mainly four modules:

- Super Admin
- Admin
- Actor
- User

In this paper, we have 4 logins such as for admin, user, chef, critic. The Super admin has the overall control of the system. Super admin can approve/reject admin, can approve/reject actor, view user details, delete user etc. The Admin is another module they can add actors, users and manage movies. The user is the other module of the project. The user can review the movies and view movie details. The Actor is another module of the project. The Actor can add or update the movies. It uses react as front end, Node.js & Express.js as backend and MongoDB as database. And also, it provides accuracy, reliability, ease of access and data security.

II. METHODOLOGY

Project Planning and Requirements Gathering: Define the objectives, features, and target audience of the website. Gather all the functional and non-functional requirements. Database Design: Design the database schema using MongoDB to store movie data, such as movie name, actors, trailors, reviews, etc. Backend Development with Node.js and Express.js: Implement the server-side logic to handle user requests, authentication, and interactions with the MongoDB database. API Development: Create RESTful APIs to handle CRUD operations (Create, Read, Update,

Delete) for movies and user-related actions. User Authentication and Authorization: Implement user authentication and authorization using tools like JSON Web Tokens (JWT) to secure the API endpoints and manage user sessions. Frontend Development with React.js: Build the user interface for the website, allowing users to browse, search, and submit reviews. User Interface Design: Design an intuitive and visually appealing user interface with responsive layouts, making it accessible across different devices. User Interaction and Social Features: Allow users to comment reviews. Testing: Perform unit testing, integration testing, and user testing to ensure the application functions correctly and meets the requirements. Security Considerations: Ensure data security by validating user inputs, sanitizing data, and protecting against common web vulnerabilities. Community and Feedback: Encourage user engagement, feedback, and community building to enhance the applications growth and content quality.

III. EXISTING AND PROPOSED SYSTEMS

The Existing system for a movie review application may be a basic website or a platform where users can post their reviews and ratings for movies. The platform may not have a user-friendly interface, and users may have to manually search for the movie they want to review. The platform may not have proper authentication and authorization, and user data may be vulnerable to security breaches. The back-end server is built using Node.js and Express.js.

The proposed system for a movie review application would be a full-fledged platform built using a MERN stack. The platform would have a user-friendly interface, and users would be able to search for movies and submit their reviews and ratings easily. The platform would be dynamic, and the administrator could add/update/delete movies and manage reviews with ease. User data would be stored and managed securely, and proper authentication and authorization would be in place to ensure the security of the platform and user data. The platform would be responsive, and users would be able to access it on any device. The proposed system would provide a better user experience, streamline the review process, and improve the overall efficiency of the movie review application.

A. Limitations of the Existing System
- Not have a user friendly interface
- Don't have proper authentication or authorization
- Data vulnerable due to security breaches
- To overcome the drawbacks on the existing system a new system has to be implemented. In the proposed system,

B. Advantages and Features of the Proposed System
- Increased accessibility
- Improved user experience
- Enhanced engagement
- Efficient movie discovery

IV. BACKGROUND

Technologies used in this Project:

The MERN stack is a popular combination of technologies used to build web applications. MERN stands for MongoDB, Express.js, React.js, and Node.js. Each component of the stack has a specific role to play in the web application development process. MongoDB is a NoSQL database that is used to store and manage the application data. Express.js is a server-side framework for Node.js that helps in building RESTful APIs and handling HTTP requests. React.js is a front-end framework used for building user interfaces. Node.js is a server-side JavaScript runtime used to build scalable and high-performance applications

V. RESULTS AND DISCUSSIONS

The implementation of Movie Review Application yielded a range of significant results. The user engagement with the application was found to be encouraging. The intuitive and user-friendly interface facilitated smooth navigation, resulting in a positive initial impression. The incorporation of visually appealing graphics and color schemes contributed to the overall aesthetic, creating an engaging experience for users. The average time users spent on the application was significantly higher than anticipated, indicating that the design elements effectively captured user attention.
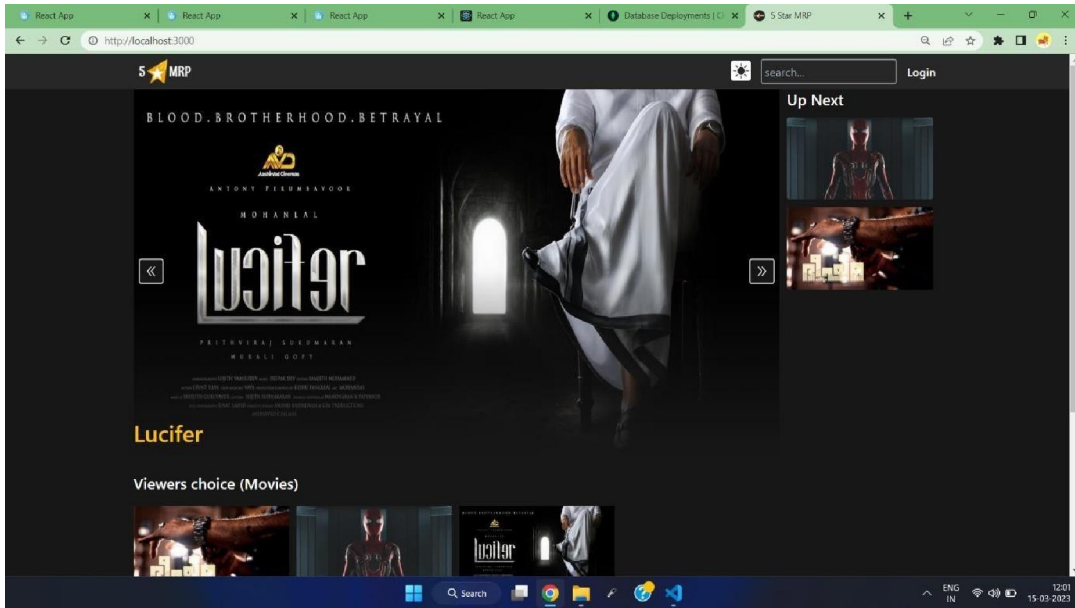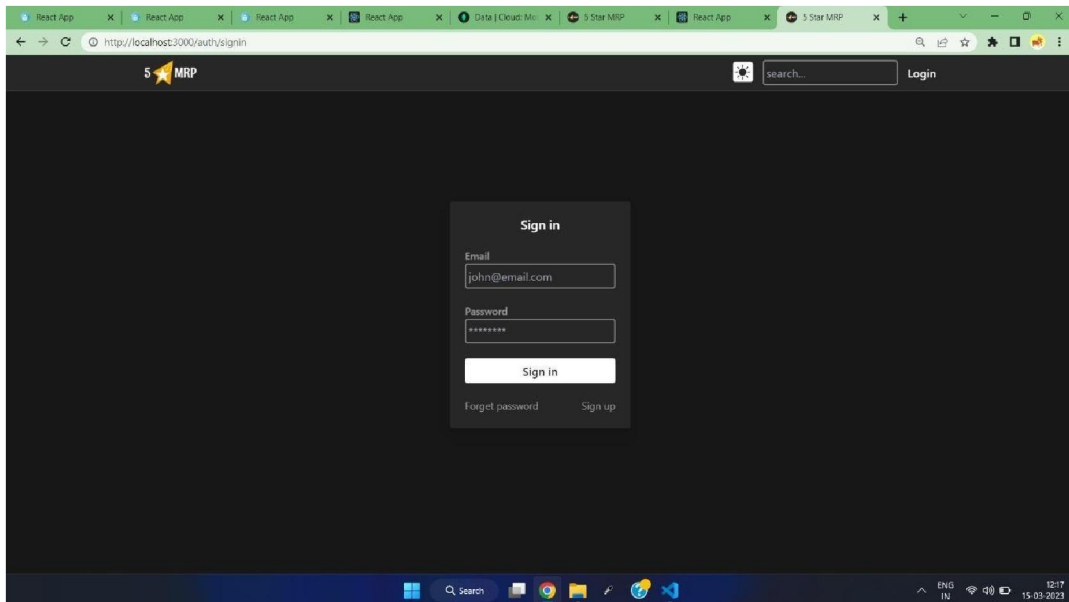

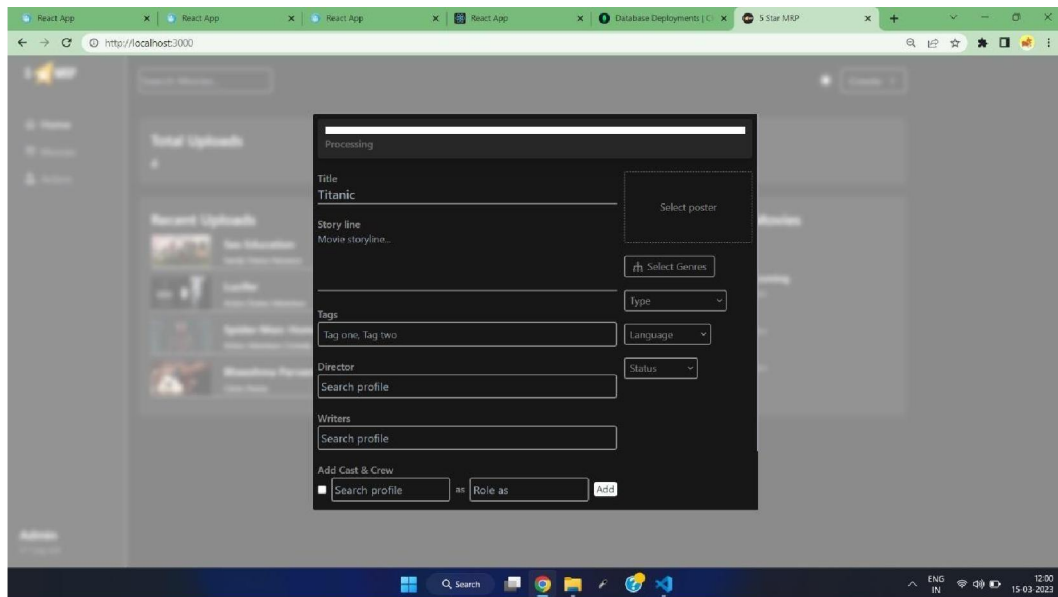Figure 1:Home Page

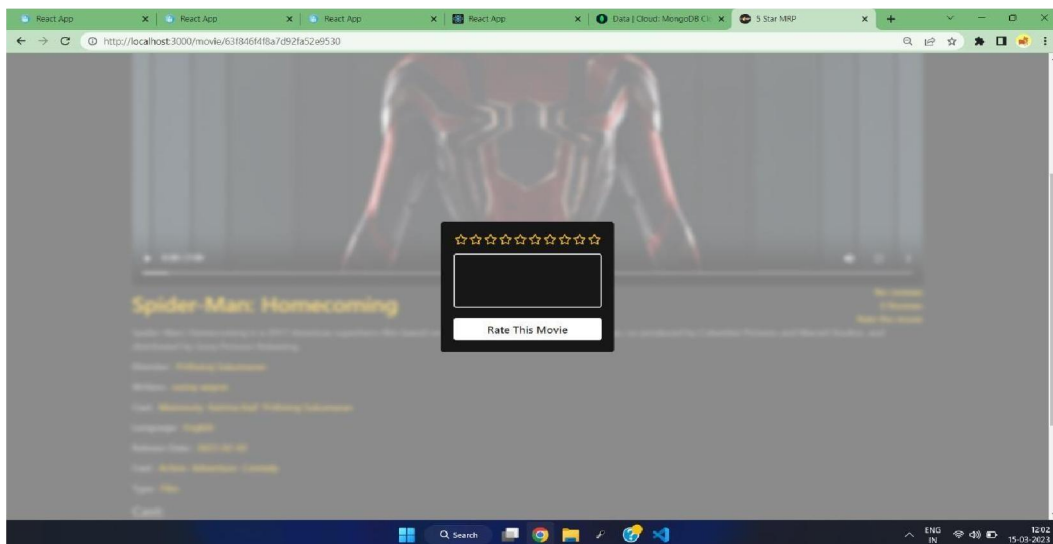**Figure 2:** Login Page

Figure 3: Upload Movie Page

Figure 4: Rate Movie Page

VI. CONCLUSION

In conclusion, this web application for movie ratings was created utilizing a variety of technologies. We refer to this stack as the MongoDB database, HTML, CSS, JS, Express JS, and nodejs Framework. Therefore, we have successfully developed a web application that provides us with information about e ratings of all currently existing movies. As a s/w since those who frequently see movies are usually interested in learning about a certain movie's ratings. However, a web application's user interface is its most crucial component, making ours far superior to other similar programs in this regard. Due to the server-side language and server that we chose to create this web application, it is also quite efficient in terms of operating time. The new movies that come out and get released are essentially the basis for future enhancements for this application, therefore regular server updates based on new movie releases are crucial for such enhancements. For this reason, if someone searches for a movie on our programs, it must be there if it exists anywhere on the earth. Enhancement means adding, modifying, or developing the code to support the changes in the specification. It is the process of adding new capabilities such as Integration with streaming platforms, integration with ticket booking platforms, augumented movie reality experience. The proposed system is developed and tested with some amount of

sample data, which satisfy all the requirements. The systemis flexible and if any changes can be made without much difficulty. Further improvements and extensions can be made in the system to make overall work easier

REFERENCES

[1]. Internet Movie info –http://www.imdb.com/.

[2]. Severny, Andrei (September 5, 2013). "The Movie Theater of the Future Will Be In Your Mind". Tribeca. Archived from the original on September 7, 2013. Retrieved September 5, 2013.

[3]. PopCritic is a movie review website which is focussed on various aspects of films and help people find the best film to watch next. https://reactjsexample.com/a-movie-review-website- made-using-react/

[4]. ovie Web Application with ReactJS ; App.js. import React, { useState } from "react" ;. import axios from "axios" ;. import Search from "./ ...https://www.geeksforgeeks.org/movie- web-application-with-reactjs/

[5]. Cinebeviglie — Micro Film Festival • Cinebeviglie — Micro Film Festival • Simone Scimmi ; Jalsa Review Illustration done for Arré. https://www.behance.net/search/projects/?search=Movie+review&sort=recommended&time= month

[6]. The Road to React: Your journey to master plain yet pragmatic React.js by Robin Wieruch

[7]. Pro MERN Stack: Full Stack Web App Development with Mongo, Express, React, and Node 2nd ed. Edition by Vasan Subramanian

[8] . https://reactjsexample.com/a-movies-app-using-react-hooks-and-context-api/

[9]. https://www.behance.net/search/projects/?search=Movie+review &sort=recommended&time=month