

Backend End Engineering-I Project

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Movie Rating System: Integrating Frontend and Backend

The Movie Rating System is a web-based form designed to collect user feedback on movies. This project showcases the integration of frontend and backend technologies to efficiently gather, validate, and store user ratings while ensuring a seamless user experience.



Problem Statement

Developing an intuitive movie rating form that allows users to submit ratings with proper validation. The form should handle data transmission securely to the backend server and display the submitted ratings, addressing challenges like real-time synchronization and server-side handling.

Technical Details

Frontend Requirements:

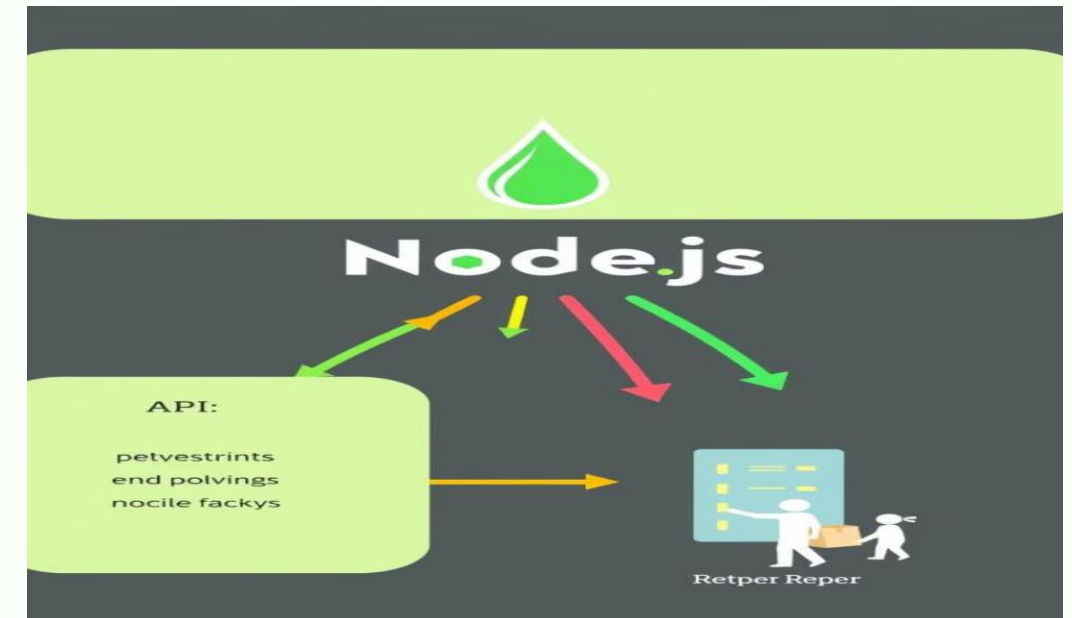
- HTML
- CSS
- JavaScript

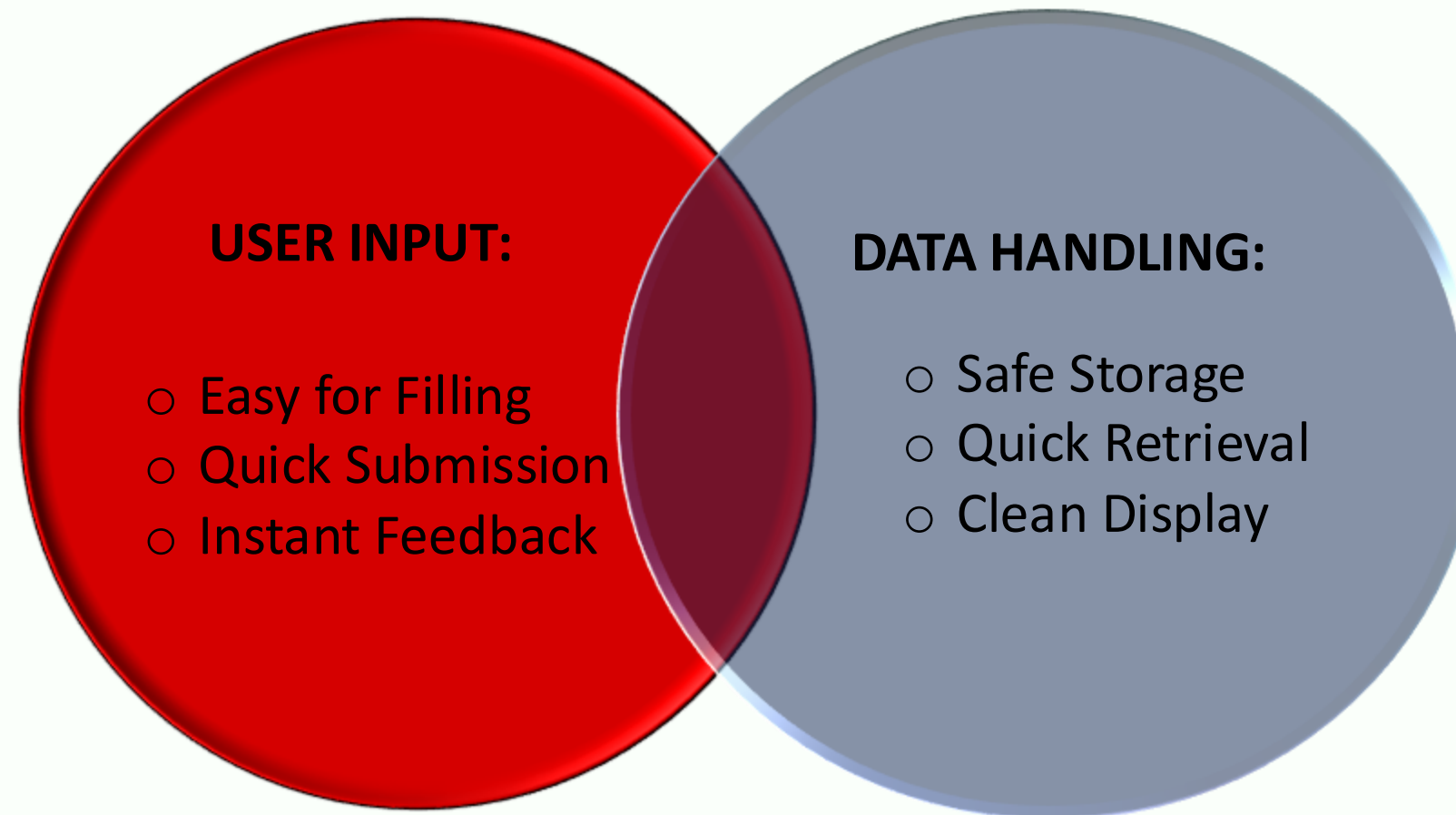
Backend Requirements:

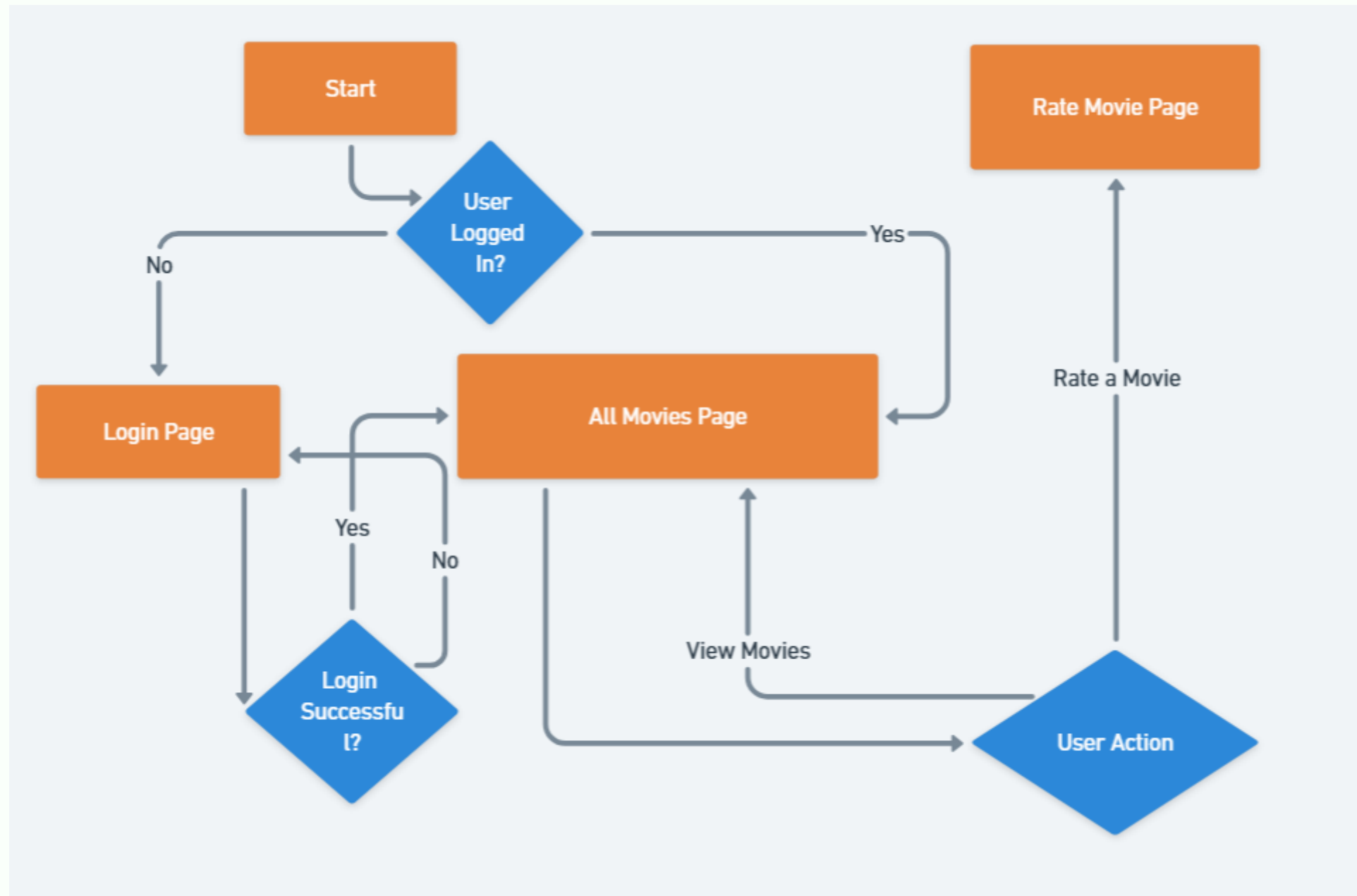
- Node.js

Tools:

- Visual Studio Code







Results & Screen-Shots

Login

Username:

Password:

Login

Don't have an account? [Register here](#)

Register

Username:

Password:

Register

Already have an account? [Login here](#)



Rate a Movie

Movie Title:

Director:

Release Year:

Rating:

Review:

Submit Rating

Integrating Frontend and Backend: Seamless Data Flow

- 1 The user interacts with the frontend rating form and submits their data.
- 2 The frontend sends a request to the Node.js server's API endpoint.
- 3 The server receives the request, validates the data, and stores it in the database.
- 4 The server sends a response back to the frontend confirming successful submission.
- 5 The frontend updates the user interface with a success message or error message.

Project GitHub Link



All Movie Ratings

Title	Director	Year	Rating	Review
Inception	Christopher Nolan	2010	5	A mind-bending thriller with stunning visuals and a gripping story.
The Shawshank Redemption	Frank Darabont	1994	5	An inspiring story of hope and friendship.
The Dark Knight	Christopher Nolan	2008	5	A masterful superhero movie with iconic performances and deep themes.
Pulp Fiction	Quentin Tarantino	1994	4	A stylish and unconventional narrative with memorable dialogues.
Forrest Gump	Robert Zemeckis	1994	5	An emotional and heartwarming journey through an extraordinary life.
Interstellar	Christopher Nolan	2014	5	An epic sci-fi film exploring space, love, and survival.
The Matrix	The Wachowskis	1999	5	A groundbreaking film that redefined sci-fi and action genres.
Parasite	Bong Joon Ho	2019	5	A brilliant and thought-provoking social satire with unexpected twists.
Avengers: Endgame	Anthony Russo, Joe Russo	2019	4	A thrilling conclusion to the Marvel Cinematic Universe's Infinity Saga.
Gladiator	Ridley Scott	2000	5	A powerful historical epic with an outstanding performance by Russell Crowe.

[Logout](#)

[Rate a Movie](#)

Project Link: https://github.com/Khushi-51/Movie_Rating_Website

Conclusion

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By integrating frontend and backend functionalities, we can create a robust and user-friendly movie rating Form. The Movie Rating Form successfully demonstrates a cohesive workflow for collecting and storing user data. It highlights the effective integration of frontend validation and backend processing to create a robust data collection system. The future scope of the project includes implementing additional features and scaling the application for broader use.



References/Links used

- ☐ <https://nodejs.org/docs/latest/api/>
- ☐ <https://www.w3schools.com/>
- ☐ <https://developer.mozilla.org/en-US/docs/Web/API>