PROJECT BRIEF

PROJECT NAME: Rating-review

PROJECT : The entire project codebase, including backend and frontend, is maintained in a Git repository to track changes, enable collaboration, and ensure code integrity. - GIT link

EXECUTIVE SUMMARY

- I have created the basic React responsive site for rating and reviewing the smatwatches and fitbands. Here is the video link of the excuted project showing how the frontend is run and backend that is node+express is connected to the databse. The daatabse I have used is Mysql. IIn the video I have also shown where the rating and review are stored in the database. I have made all the site by myself thus it seems to be basic.I could have enhanced it with the help of few toold. [Drive Link:-Link]

INTRODUCTION

- The backend of this project is made with Node.js and Express. I built APIs that let the app save and get reviews from a MySQL database. On the frontend, I used React and styled-components to create a simple and easy-to-use interface where users can rate products, write reviews, and see what others have said. I also added smooth animations with Framer Motion to make the app more enjoyable to use. The database is set up to save reviews well and helps to filter reviews by tags. All the code is kept organized and saved on Git for version control.

FRONTEND

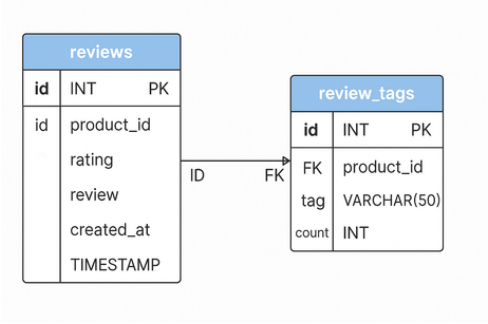
Built with React using functional components and hooks for state management. Styled with styled-components and animated using Framer Motion. Star icons come from react-icons. Uses fetch to connect with the backend APIs for submitting and displaying reviews, with features like rating input, review text, and toggling review visibility.

BACKEND

Used Node.js and Express.js to build REST APIs that handle backend logic for submitting and fetching reviews. The backend connects to a MySQL database to store review data. Middleware like cors and body-parser are used to handle requests and enable smooth communication with the React frontend.

CONCLUSION

- This project demonstrates a web application for gadget ratings and reviews, built with a React frontend and a Node.js/Express backend connected to a MySQL database. It allows users to submit and view ratings and reviews for products in real time. The app includes features like dynamic star ratings, review tagging, and smooth UI interactions. This project helped me strengthen my skills in RESTful API development, React component design, and database integration, as well as handling asynchronous operations between frontend and backend.



APPENDICES

- Complete documentation for setting up, running, and testing this application is provided in the GitHub repository. The project includes a screenshot of the MySQL database schema and a video demonstrating the responsive site running in VS Code with the MySQL database connection and data operations. You can access all the setup instructions, code, and resources at GitHub.