**✅ Title: Project Documentation – Ratings & Review System**

**1.**

**Title Page**

Project Title: Ratings & Review System

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**2.**

**Abstract**

This project is a full-stack web application designed to allow users to browse products, post reviews, and view aggregated ratings. The system includes user authentication, protected routes, and an admin interface. It was manually built using Node.js, PostgreSQL, and React, without the use of AI tools. All logic, interface, and documentation were created independently as part of an internship assignment.

**3.**

**Problem Statement**

Many e-commerce platforms lack a customizable review system. This project addresses the need for a standalone, customizable, and database-backed review system where users can securely post reviews and admins can moderate content.

**4.**

**Objectives**

* Enable user authentication with signup and login
* Allow users to submit and view reviews
* Display average product ratings
* Provide an admin interface to monitor reviews

**5.**

**Technology Stack**

* **Frontend**: React, Axios, React Router
* **Backend**: Node.js, Express
* **Database**: PostgreSQL
* **Auth**: JWT, bcrypt

**6.**

**System Architecture**

Add a simple block diagram:

* User → Frontend → Backend API → PostgreSQL
* Admin → Admin Dashboard → Backend → Database

**7. Key Screenshots**

* Signup PageA screen shot of a login form

  Description automatically generated
* Login PageA screenshot of a login screen

  Description automatically generated
* Product ListA screenshot of a black screen

  Description automatically generated
* Review SubmissionA screenshot of a computer

  Description automatically generatedA black background with white text

  Description automatically generated

**8. Codebase Overview**

| **Component** | **Description** |
| --- | --- |
| server/index.js | Handles backend routes and DB logic |
| App.js | React router and entry point |
| loginpage.jsx | Login form logic |
| SignUpPage.jsx | Signup form logic |
| AdminPage.jsx | Admin view to list reviews |

**9.**

**How It Was Built**

This project was coded manually using Visual Studio Code, Git, and PostgreSQL. No AI-generated code or content was used. All source files are available on GitHub:

<https://github.com/maruthi-0101/rating-review-sytem>

**10.**

**Conclusion**

This system demonstrates the ability to build, structure, and deploy a real-world full-stack application manually. It covers user management, secure authentication, and administrative interfaces.

**11.**

**References**

**(if any)**

* Node.js documentation
* React documentation
* PostgreSQL documentation