Full Stack Development with MERN

Project Documentation format

1. Introduction

- **Project Title:** BOOK NEST
- **Team Members:** Thasmiya bhanu.

2. Project Overview

- **Purpose:** To provide a digital platform for organizing, searching, and tracking books without manual paperwork.

- **Features:** Book search, collection display, and responsive dashboard.

3. Architecture

- **Frontend:** Built using React.js for a dynamic user interface.
- **Backend:** Node.js with Express.js to handle API requests.
- **Database:** Local JSON or MongoDB for book data storage.

4. Setup Instructions

- **Prerequisites:** Node.js, npm, and a code editor (VS Code).

- **Installation: Clone the repo, run npm install in both client and server folders.**

5. Folder Structure

- **Client:** Describe the structure of the React frontend.
- **Server:** Explain the organization of the Node.js backend.

6. Running the Application

- Commands to start the frontend and backend servers locally. o
  Frontend: `npm start` in the client directory.
  - o **Backend:** `npm start` in the server directory.

7. API Documentation

- Document all endpoints exposed by the backend.
- Include request methods, parameters, and example responses.

8. Authentication

• Explain how authentication and authorization are handled in the project. •
Include details about tokens, sessions, or any other methods used.

9. User Interface
• Provide screenshots or GIFs showcasing different UI features.

10. Testing

• Describe the testing strategy and tools used.

11. Screenshots or Demo:
https://github.com/ThasmiyaBhanu/BookNest-project

• . 12. Known Issues

• Document any known bugs or issues that users or developers should be aware of.

13. Future Enhancements

• Outline potential future features or improvements that could be made to the project.