Project Documentation
Store Manager: Keep Track of Inventory

1. **Introduction**
    - **Project Title: Store Manager: Keep Track of Inventory**
    - **Team ID: NM2025TMID47635**
    - **Team Leader: SAMUVASAGAM S & samuvasagams@gmail.com**
    - **Team Members:**
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2. **Project Overview**
    - **Purpose: To provide an efficient inventory management system that ensures real-time stock updates, smooth sales checkout, and timely alerts for low inventory.**
    - **Features:**
        - **Real-time Stock Updates**
        - **Cart & Checkout Management**
        - **Low Stock Alerts**
        - **Product Management**

3. **Architecture**
    - **Frontend: React.js with Bootstrap and Material UI**
    - **Backend: Node.js and Express.js managing server logic and API endpoints**
    - **Database: MongoDB stores user data, project information, applications, and chat messages**

4. **Setup Instructions**
    - **Prerequisites:**
        - **Node.js**
        - **MongoDB**
        - **Git**
        - **React.js**
        - **Express.js**
        - **Mongoose**
        - **Visual Studio Code**

5. **Folder Structure**
    inventory-management-frontend/
    ```
    ├ node_modules/
    ├ public/
    ├ src/
    │ ├ components/
    │ │ ├ Cart/
    │ │ ├ Inventory/
    │ │ ├ Product/
    │ │ ├ Sales/
    │ ├ context/
    ```

├ **pages/**
├ **hooks/**

6. **Running the Application**
   - **Frontend:**
     cd client
     npm start
   - **Backend:**
     cd server npm
     start
   - **Access: Visit htp://localhost:3000**

7. **API Documentation**
   - **User:**
     – /api/user/register
     – /api/user/login
   - **Projects:**
     – /api/projects/create
     – /api/projects/:id
   - **Applications:**
     – /api/apply
   - **Chats:**
     – /api/chat/send
     – /api/chat/:userId

8. **Authentication**
   - **JWT-based authentication for secure login**
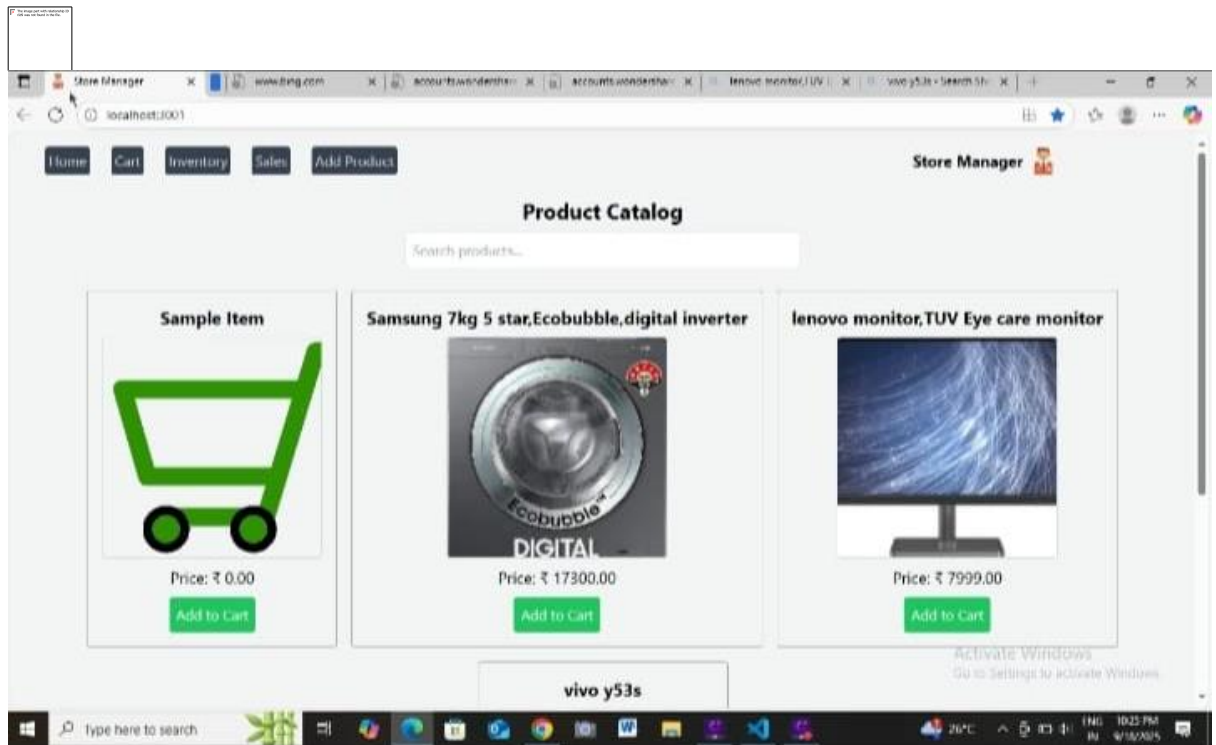   - **Middleware protects private routes**

9. **User Interface**
   - **Landing Page**
   - **Freelancer Dashboard**
   - **Admin Panel**
   - **Project Details Page**

10. **Testing**
   - **Manual testing during milestones**
   - **Tools: Postman, Chrome Dev Tools**

11. Screenshots or Demo

Drive link of Demo Video:
https://github.com/samuvasagams-afk/store-manager/commit/63af05b07280f22ceb692572204f91c8cafc78a6

12. Known Issues: No Issues.

13. Future Enhancements: In feature we can upgrade the page for our need.