

Project Documentation

Project Title

1. Introduction

- **Project Title:** STORE MANAGEMENT
- **Team ID:** NM2025TMID37807
- **Team Leader: Name:** Sheevani v.sheevani100906@gmail.com
- **Team Members:**
 - Name: Eswari eswari062006@gmail.com
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2. Project Overview

- **Purpose:**
 - To manage and optimize storage space effectively
 - To track inventory accurately and reduce human error..
- **Features:**
 - AI & Machine Learning
 - Blockchain in Inventory
 - Cloud-based Inventory Systems

3. Architecture

- **Frontend:** React.js with Bootstrap and Material UI for creating a clean and responsive user interface
- **Backend:** Node.js and Express.js for handling server logic, authentication, and API endpoints
- **Database:** MongoDB for storing inventory data, product details, stock levels, and user information

4.Setup Instructions

- **Installation Steps:**

Clone the repository: `git clone<repository-link>cd inventory-storage-management`

- **Backend Setup:**

`cd backend`

`npm install`

`npm start`

- **Frontend Setup:**

`cd frontend`

`npm install`

`npm start`

5.Folder Structure

```
SB-Works/  
|-- client/           # React frontend  
    |-- components/  
        |-- pages/  
|-- server/           # Node.js backend  
    |-- routes/  
        |-- models/  
        |-- controllers/
```

6.Running the Application

- **Frontend:**

`Cd client`

`npm start`

- **Backend:**

`cd server npm`

`start`

- **Access:** Visit `http://localhost:3000`

7.Authentication

- JWT-based authentication for secure login
- Middleware protects private routes (e.g., stock updates, order management)

8.User Interface

Login Page

Dashboard (shows stock status, sales summary)

Product Management Page (add, update, delete products)

Order Management Page (create, view, update orders)

Reports Page (sales report, stock report)

9.Testing

Add, update, delete product details.

Check order creation, modification, and cancellation.

Validate reports generation (sales report, stock report).

10.Screenshots or Demo

[demo link ism](#)

11.Known Issues

It can't able to delete the product

12.Future Enhancements

Barcode / QR Code Integration

Stock Alerts & Notifications

Supplier & Customer Management