Project Documentation
Project Title

1.   Introduction

- **Project Title:** Store Manager

- **Team ID:** NM2025TMID37817

- **Team Leader: Name**: S.Pooja shree **Mail id**: poojasridhar93@gmail.com

- **Team Members:**

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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/
     L___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 Video](#)

11.Known Issues

It can't able to delete the product

12.Future Enhancements

Barcode / QR Code Integration

Stock Alerts & Notifications

Supplier & Customer Management