Project Documentation

Project Title

Store Manager: Keep Track of Inventory

1. Introduction

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Team ID: (NM2025TMID39098)

Team Leader: Ayesha Thahasin F (Mail ID: 24bsccs30@cttewc.edu.in)

Team Members:

Prathipa S (Mail ID: 24bsccs03@cttewc.edu.in)

Pavithra U (Mail ID: 24bsccs14@cttewc.edu.in)

Daisy Rani V (Mail ID: 24bsccs34@cttewc.edu.in)

2. Project Overview

Purpose:

The Store Manager app allows shop owners or administrators to manage products, track inventory, and enable customers to browse items and add them to a cart for purchase.

Features:

– Product catalog with images, prices, and tags

– Add-to-cart functionality

– Inventory management (view/update stock)

– Simple checkout/cart summary page

– Responsive user interface for desktop and mobile

3. Architecture

•Frontend: React.js with standard CSS (Create React App setup)

•Backend: None for now (the current version is front-end only, using React state for data).

•Database: Local React state or JSON data (no external database in this version).

4. Setup Instruction

Prerequisites:

•Node.js (latest LTS)

•npm (comes with Node)

•A code editor like Visual Studio Code

Installation Steps:

Clone the repository

git clone <your-repo-url>

Move into the project folder

cd store-manager

Install dependencies

npm install

5. Folder Structure

```
Store-Manager/
├── public/
├── src/
│   ├── components/
│   │   ├── Cards.jsx
│   │   ├── Footer.jsx
│   │   ├── Navbar.jsx
│   ├── Pages.jsx
│   ├── App.js
│   ├── App.css
│   ├── index.js
│   ├── index.css
├── package.json
├── README.md
```

6. Running the Application

•Start development server:

npm start

•Access in browser:

http://localhost:3000

7. API Documentation

Current version does not use external APIs.

8. Authentication
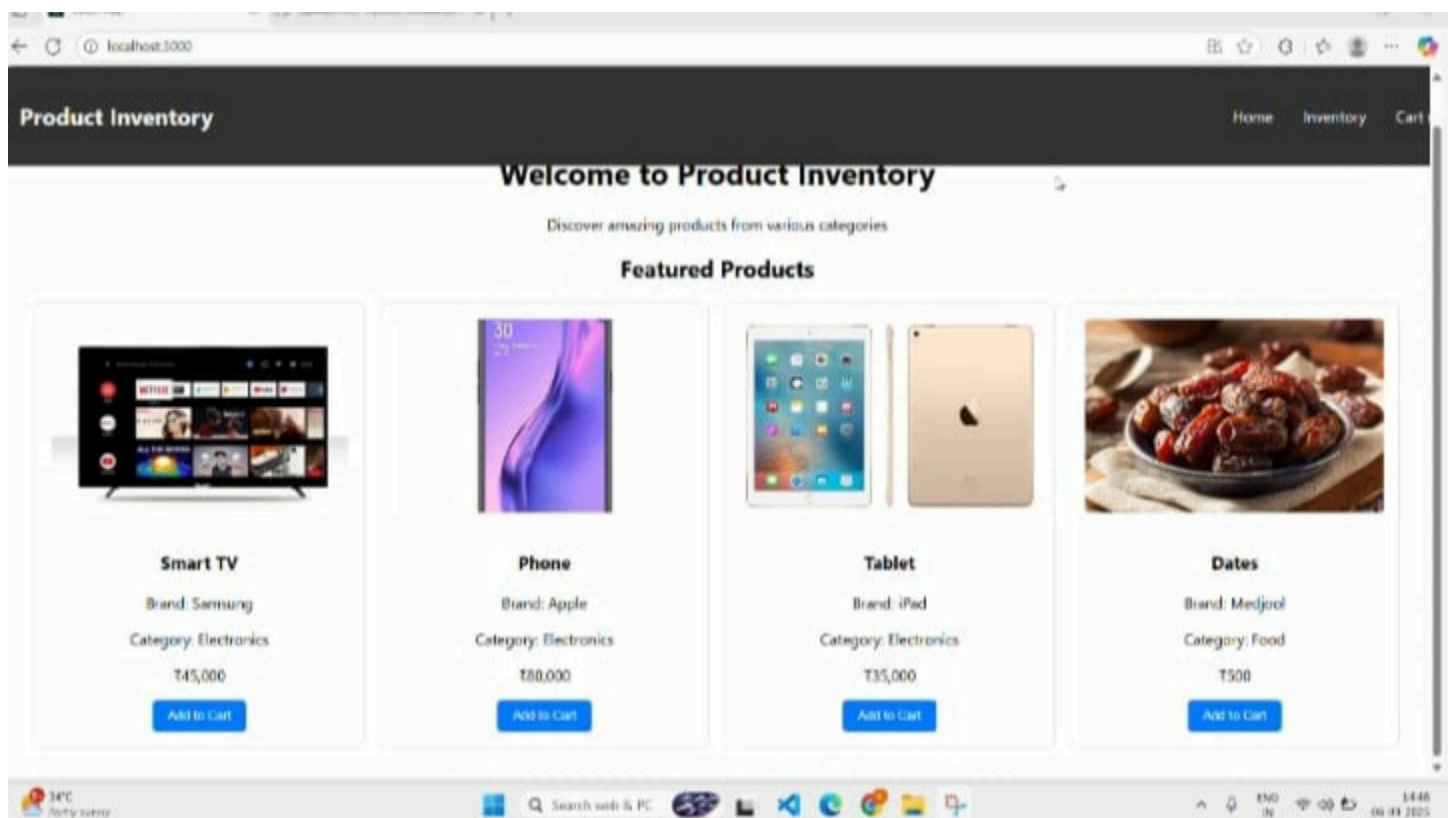
No authentication implemented in this version.
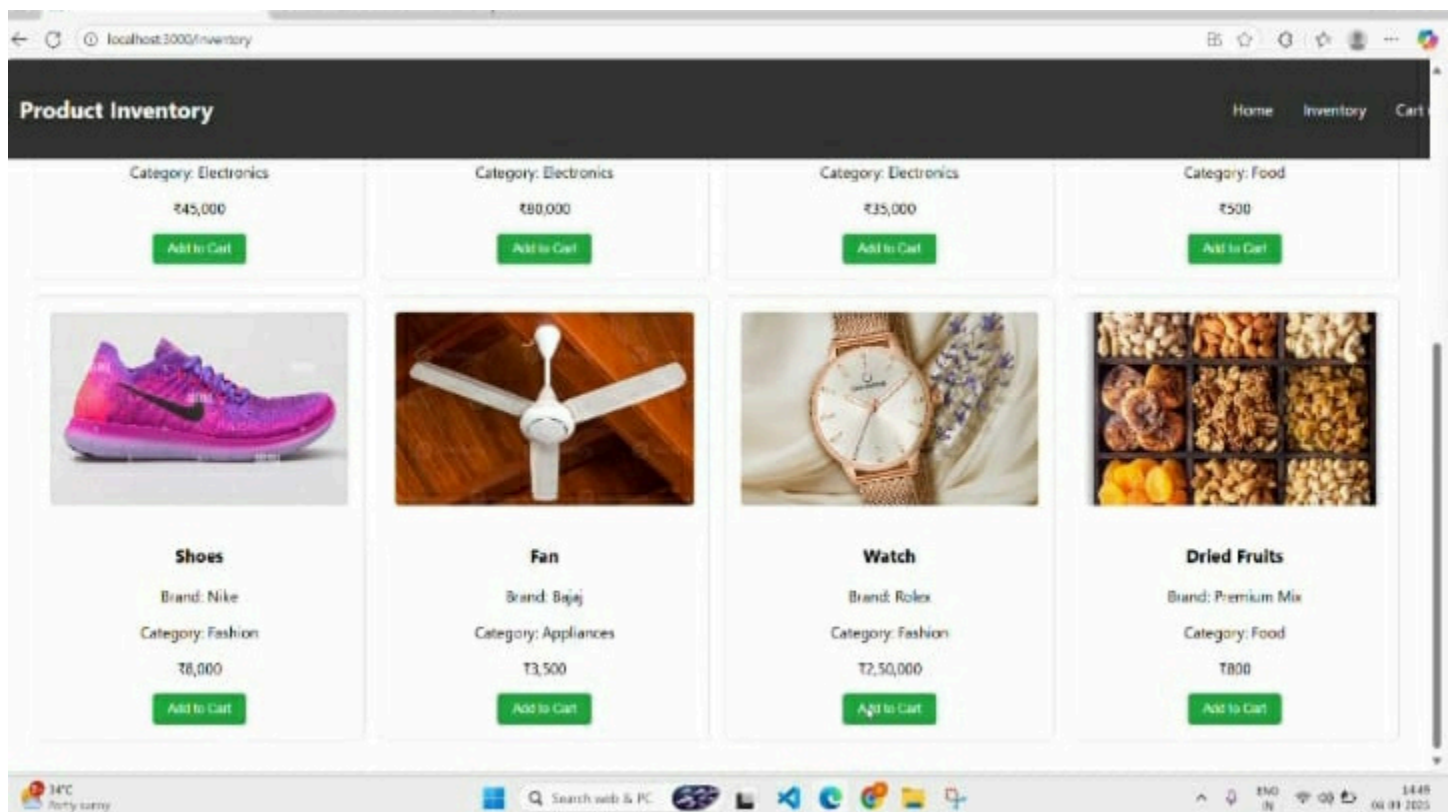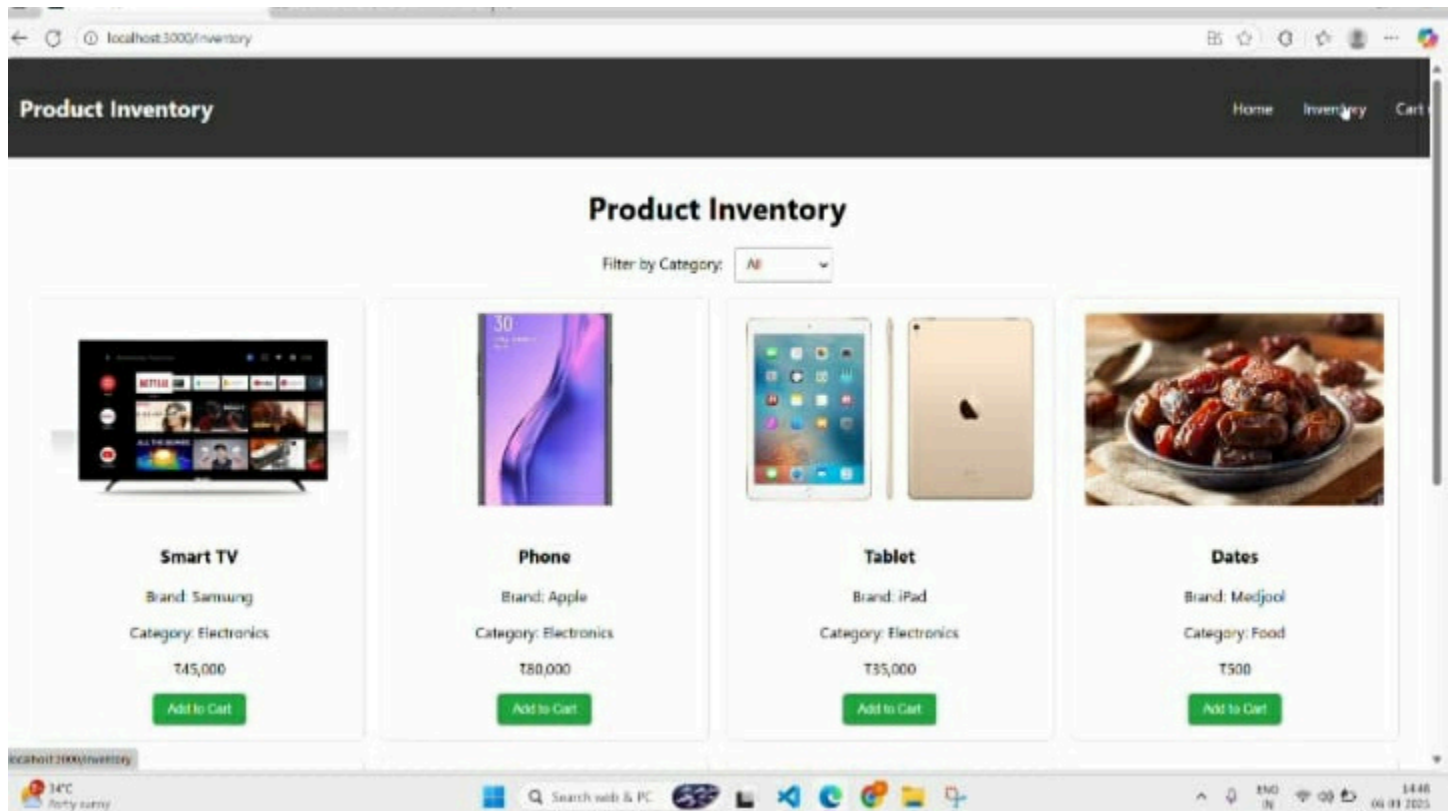
9. User Interface

•Home Page: Product listings with images, prices, and "Add to Cart" buttons.

•Cart Page: Shows selected items and total cost.

•Inventory Section: For the manager to view stock levels (if implemented).
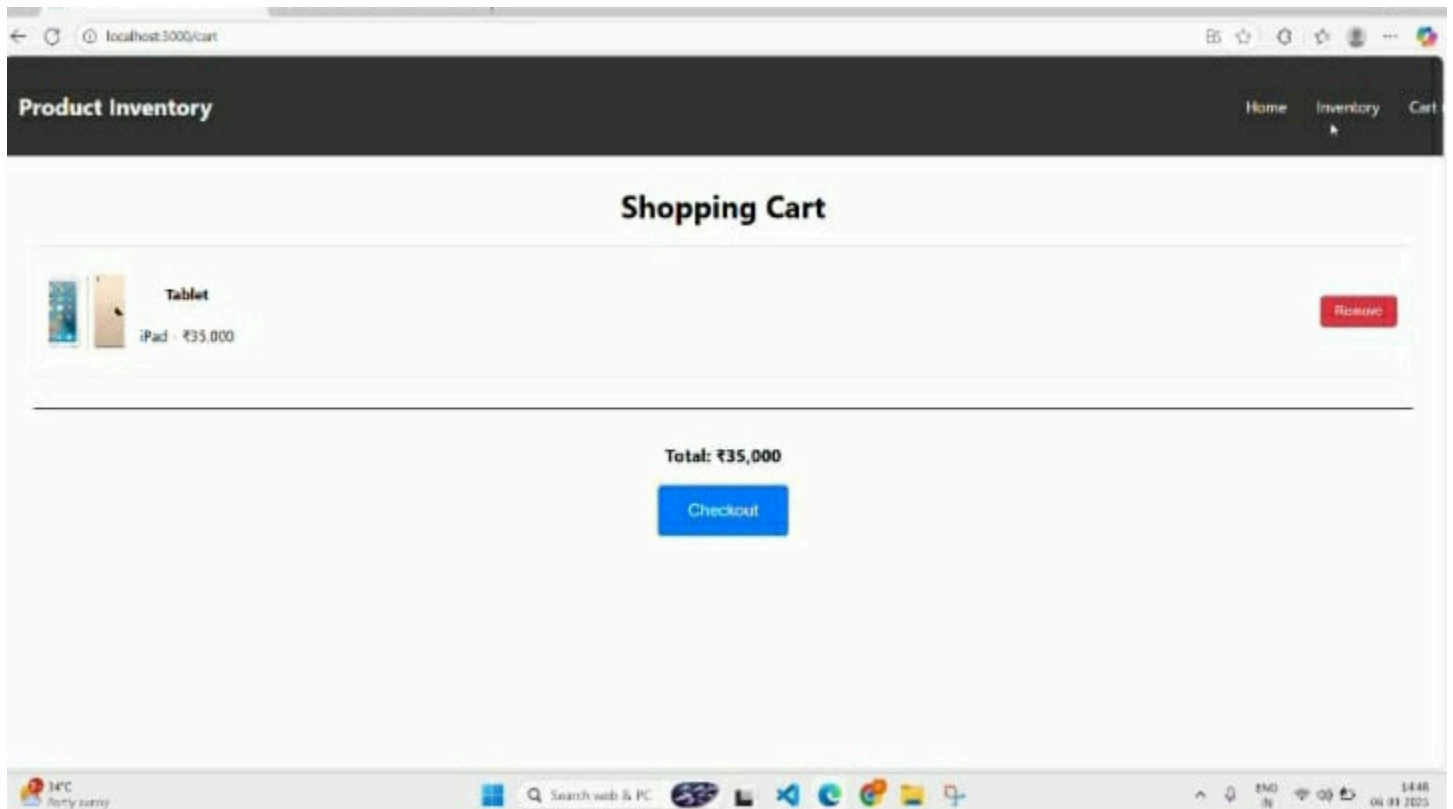
10. Testing

•Manual testing of all pages and cart interactions.

•Browser Developer Tools used to verify layout and console errors.

11. ScreenShot or Demo

Product Inventory   Home   Inventory   Cart

Product Inventory

Filter by Category: All ▾

Smart TV	Phone	Tablet	Dates
Brand: Samsung	Brand: Apple	Brand: iPad	Brand: Medjool
Category: Electronics	Category: Electronics	Category: Electronics	Category: Food
₹45,000	₹80,000	₹35,000	₹500
Add to Cart	Add to Cart	Add to Cart	Add to Cart

Product Inventory   Home   Inventory   Cart

Category: Electronics	Category: Electronics	Category: Electronics	Category: Food
₹45,000	₹80,000	₹35,000	₹500
Add to Cart	Add to Cart	Add to Cart	Add to Cart

Shoes	Fan	Watch	Dried Fruits
Brand: Nike	Brand: Bajaj	Brand: Rolex	Brand: Premium Mix
Category: Fashion	Category: Appliances	Category: Fashion	Category: Food
₹8,000	₹3,500	₹2,50,000	₹800
Add to Cart	Add to Cart	Add to Cart	Add to Cart

12. Known Issues

•No persistent backend or database; data resets on refresh.

•No users authentication

13.Future Enhancements

•Add a Node/Express backend with a MongoDB database.

•Implement user login/registration and role-based access.

•Include payment gateway integration.

•Add automated testing.