# Store Manager

Project Documentation

## Introduction

* **Project Title:** Maverick Store
* **Team ID:** [NM2025TMID40166]
* **Team Leader:** [Harshan Ml]
* **Team Members:** [Aagash V]
* **Team Members:** [Barath K]
* **Team Members:** [Iyappan R]

## Project Overview

### Purpose:

Maverick Store is a React-based inventory and sales manager supporting product catalogs, stock management, a shopping cart, and sales recording.

### Features:

Product search and display Add to and manage cart Inventory/stock control Record and view sales

Add new products Responsive UI Tailwind CSS

Persistent local storage for cart, inventory, sales

## Architecture

 **Frontend:** React.js

 **Styling:** Tailwind CSS  **Routing:** React Router

 **State:** React Context + useReducer

 **Persistence:** useLocalStorage (custom hook)

## Setup and Running

**Prerequisites:** Node.js, npm, Git, React.js **Installation:**

git clone [repo-url] cd [project-folder] npm install

npm start # [http://localhost:3000](http://localhost:3000/)

## Main Folder Structure

public/

|-- index.html

|-- manifest.json

|-- robots.txt

|-- cartImage.jpg

|-- Maverick.jpg

|-- logo.jpg

src/

|-- components/

|-- context/

|-- hooks/

|-- pages/

|-- App.js

|-- index.js

*See actual attachments for file details. )*

## Key Components

### Product Catalog:

 Lists available products with search/filter ProductCatalog.jsx, ProductList.jsx)  Supports adding to cart

### Cart:

 View, modify, and checkout cart items Cart.jsx, CartItem.jsx) **Inventory:**

 Stock view/edit, add products Inventory.jsx, Product.jsx, AddProduct.jsx) **Sales:**

 Record and list sales Sales.jsx, SaleRecord.jsx) **Navigation:**

 Simple menu NavBar.jsx, Layout.jsx) **NotFound Page:** For random/wrong URLs.

## State and Data

### Cart/Inventory/Sales Contexts:

 store and sync data in browser local storage  **useLocalStorage.js:**

 Custom hook for persistent state

## Attachments List

 **cartImage.jpg:** Shopping cart icon  **Maverick.jpg:** Brand image/logo

 **logo.jpg:** Additional store logo

 **index.html, robots.txt, manifest.json:** Web app core config

 **All main React component, context, and utility source files:** (see detailed folder listing above)

## Known Issues & Enhancements

### Known:

 No real backend or payment system

 No authentication (single user/product context) **Planned:**

Backend/DB integration User authentication

Order analytics and advanced search/filter

## Testing

Manual component testing Verified on major browsers

Focus on correct local storage and state sync

### For details on each file's content and UI, see the provided attachments.

This document gives a clear, brief overview of your project for assessment or documentation needs, allowing readers to refer to file attachments for technical specifics.

⁂

cartImage.jpg

Product.jsx

ProductCatalog.jsx

ProductList.jsx

SaleRecord.jsx

Sales.jsx

AddProduct.jsx

NavBar.jsx

CartContext.js

InventoryContext.js

SalesContext.js

index.html

useLocalStorage.js

NotFound.jsx

App.css

App.js

App.test.js

index.css

index.js

Layout.jsx

reportWebVitals.js

logo.jpg

manifest.json

frontend\_Sample.pdf

Maverick.jpg

robots.txt

Cart.jsx

CartItem.jsx

Inventory.jsx

Product.jsx