Project Documentation

Store Manager – Keep Track of Inventory

1. Introduction

- Project Title: Store Manager : keep track of inventory

- Team ID: [NM2025TMID40444]

- Team Leader: Dhanalakshmi.M [19052007dhanalakshmi@gmail.com]

- Team Members:

1 - Monisha.R – r.monishabubu1@gmail.com

2 - Keerthika.P– n.p.keerthika1627@gmail.com

3 - Kaviya.K –kkaviya7617@gmail.com

2. Project Overview

- Purpose: SB Works connects clients and freelancers through project postings, bidding, and Real-time communication.

• Features:

Project posting and bidding

Secure chat system

Feedback and review system

Admin control panel

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

- Installation Steps:

Clone the repository git clone

Install client dependencies cd

Client npm install

Install server dependencies cd

../server npm install

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. 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

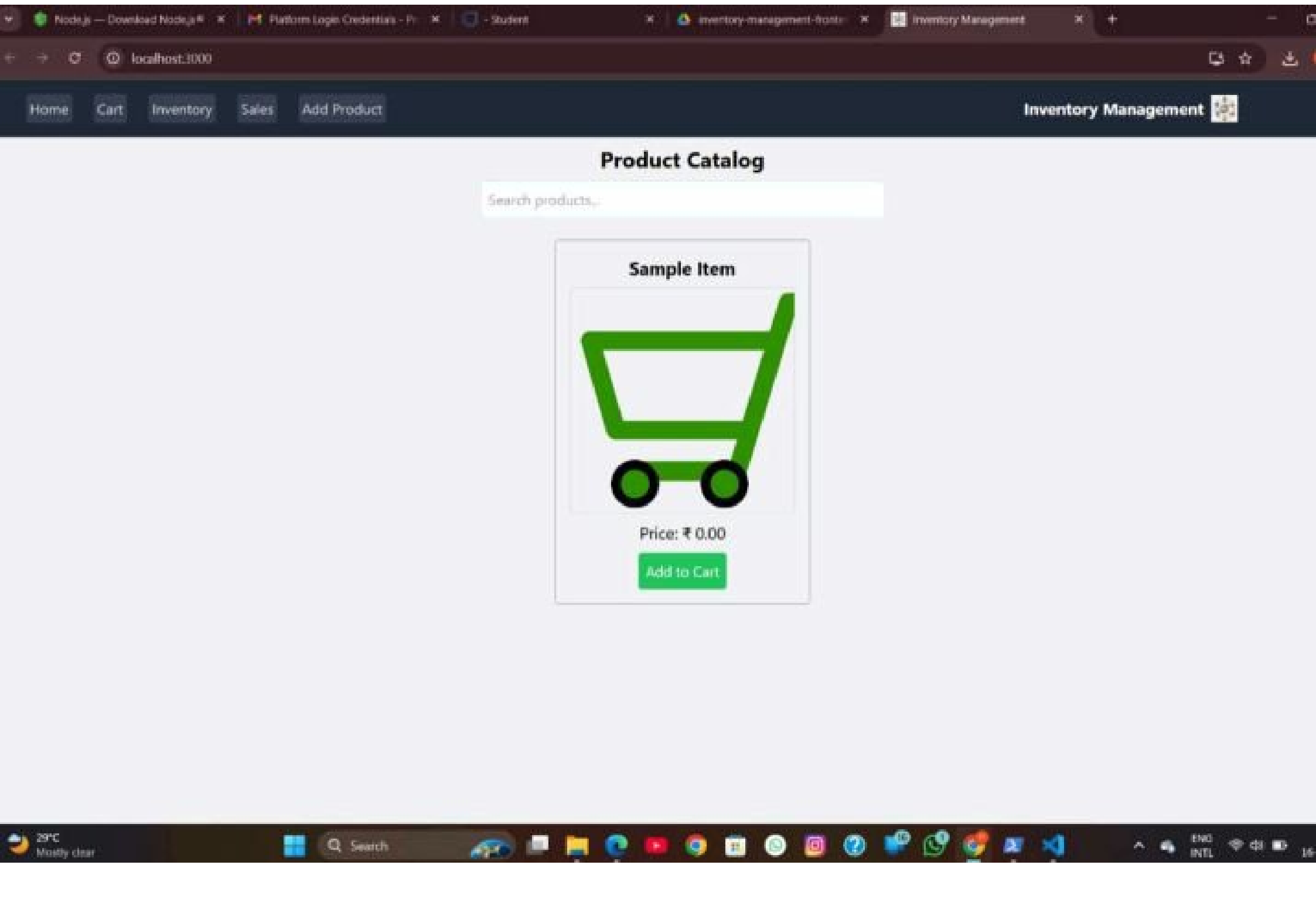- Middleware protects private routes

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

localhost:3000

Product Catalog

Search products...

Sample Item

Price: ₹ 0.00

Add to Cart

localhost:3000/Inventory

Inventory Management

Inventory

Search inventory...

Alert Value [10]

Show Only Depleted [ ]

Sample Item

Price: ₹ 0.00

Stock Available: 1

Add Stock: [0]

Update Stock

Dark Fantacy

Dark Fantacy

Price: ₹ 40.00

Stock Available: 10

Add Stock: [2]

Update Stock

Snipping Tool

Screenshot copied to clipboard
Automatically saved to screenshots folder.

Mark-up and share

29°C
Mostly clear

Q Search

ENG
INTL

21
16-09-2

12. Known Issues

- No persistent storage without backend

- Limited to local state management

13. Future Enhancements

- Backend integration with Node.js and MongoDB

- User authentication and role-based access

- Export inventory reports

- Cloud deployment