

ShopSmart: Your Digital Grocery Store Experience

Submitted by:

- Bellamkonda Arthi (Team Leader)
- Ganala Lakshmi Kantham
- B Srikar
- B Harshitha

Department of Computer Science

Ideal Institute of Technology, Kakinada

Internship Project Report

Month & Year: June 2025

Certificate

This is to certify that the project entitled “ShopSmart: Your Digital Grocery Store Experience” has been carried out by Kondayyapalepu Siva Ganesh, Joshitha Ummethapuvvu, Gollapalli Divya Sri, and K Lakshmi Sripada Lasya under the guidance of M. Ganesh, during the academic year 2024–2025. This project is original and has not been submitted elsewhere.

Acknowledgement

We would like to express our sincere gratitude to our mentor M. Ganesh for their valuable guidance and support. We are also thankful to our faculty, Kumar Sir, for motivating and supporting us throughout this internship journey. We are thankful to the faculty of Ideal Institute of Technology, Kakinada, for giving us this opportunity. We also thank each other as teammates for the collaborative effort put into this project.

1. Introduction
2. Objective
3. Existing System
4. Proposed System
5. Technologies Used
6. System Design
7. Implementation
8. Features
9. Testing
10. Screenshots
11. Conclusion
12. Future Enhancements
13. 13. References

Introduction

our basic grocery-web app! Our app is designed to provide a seamless online shopping experience for customers, making it convenient for them to explore and purchase a wide range of products. Whether you are a tech enthusiast, a fashionista, or a homemaker looking for everyday essentials, our app has something for everyone.

Objective

Your Digital Grocery Store Experience is to develop a comprehensive, user-friendly web application that streamlines the grocery shopping process for both customers and sellers.

Existing System

Current systems are either too complex or costly for learning purposes. Most lack a simplified interface and open-source backend integration for developers.

Proposed System

Your Digital Grocery Store Experience, introduces a full-featured web application designed to simplify the online grocery shopping experience for both customers and sellers.

Technologies Used

Frontend: React, Context API, CSS

Backend: Node.js, Express.js

Database: MongoDB Atlas

Authentication: JWT

Deployment: Vercel (Frontend), Render (Backend)

System Design

ShopSmart uses a React-based frontend and a Node.js + Express backend connected to MongoDB Atlas.

It includes modules for user login, product management, cart operations, and admin control.

JWT handles secure authentication, and the app is deployed on Vercel and Render.

The design ensures a smooth, scalable, and secure shopping experience for all users.

Implementation

The ShopSmart application was implemented as a full-stack web solution using the MERN stack (MongoDB, Express.js, React.js, Node.js).

User authentication is handled using JWT, allowing secure access to protected routes. Customers can browse products, manage their cart, and place orders, while admins can manage inventory and view orders.

The Context API is used for managing global state, and all modules are integrated to ensure seamless frontend-backend interaction.

Features

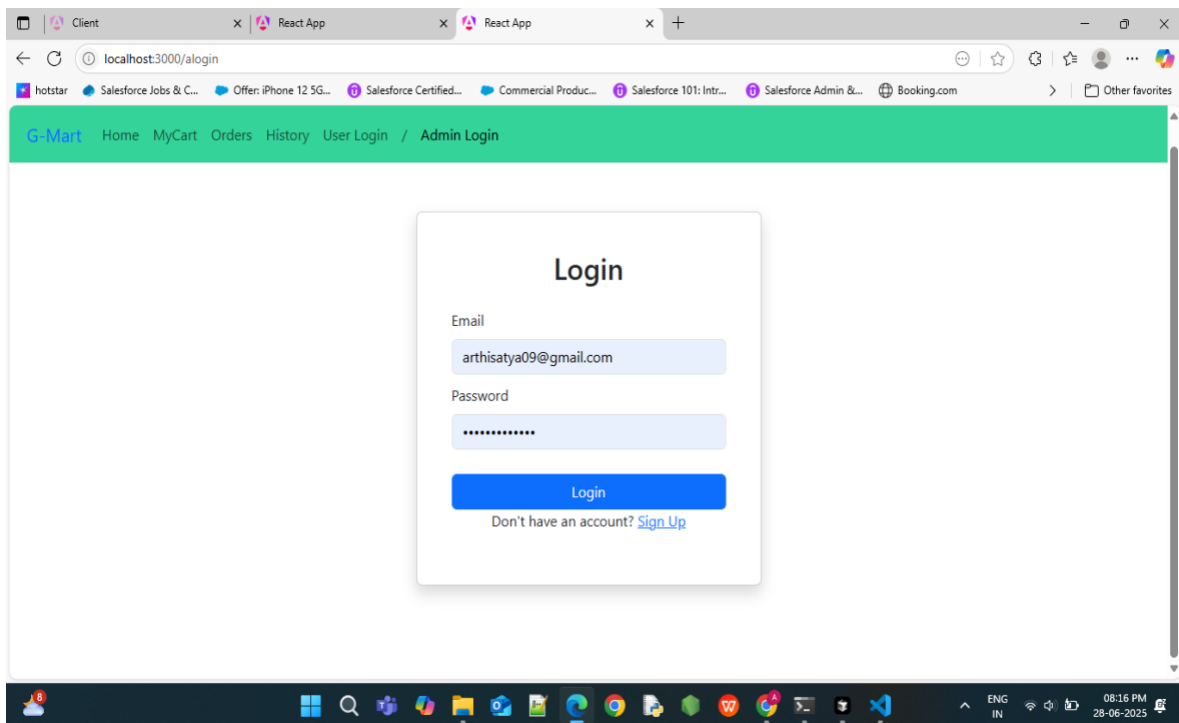
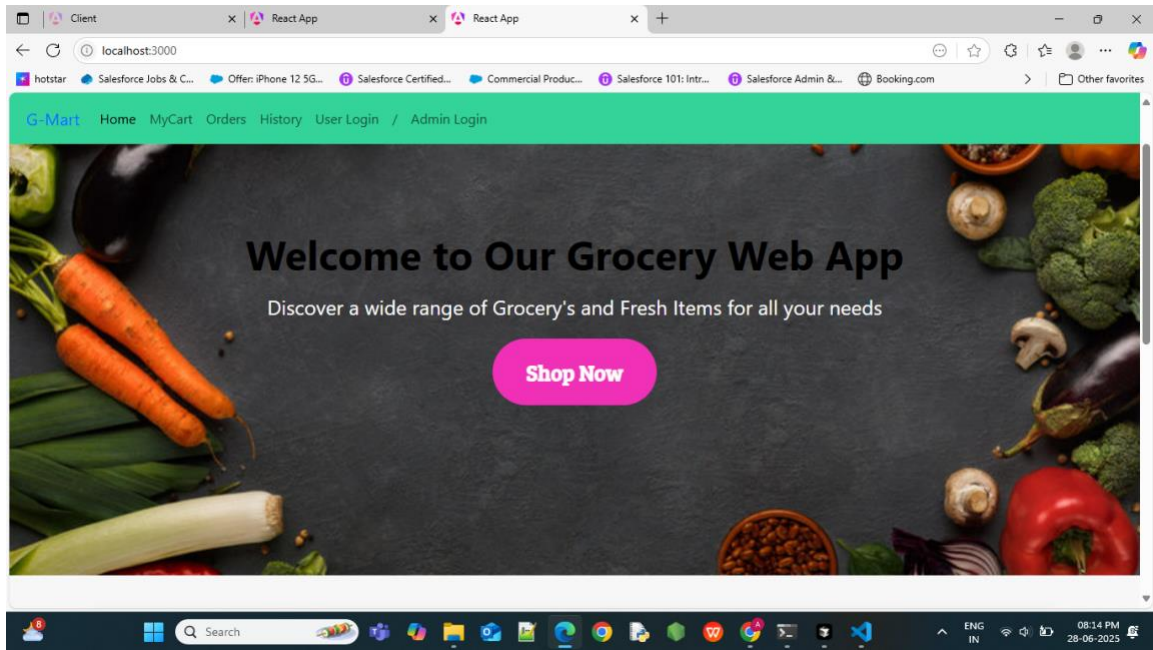
ShopSmart offers secure login, product browsing, and easy cart management. Admins can manage products and track orders through a dedicated dashboard. The app is mobile-friendly with a clean, responsive design. Secure checkout ensures safe and smooth online grocery shopping.

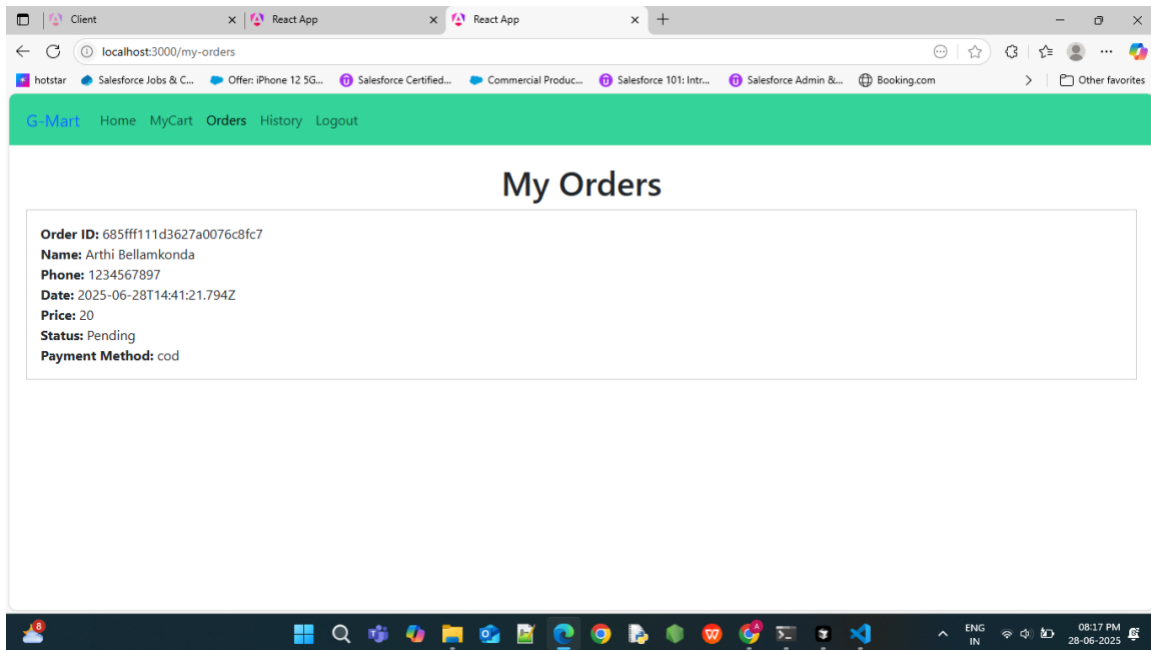
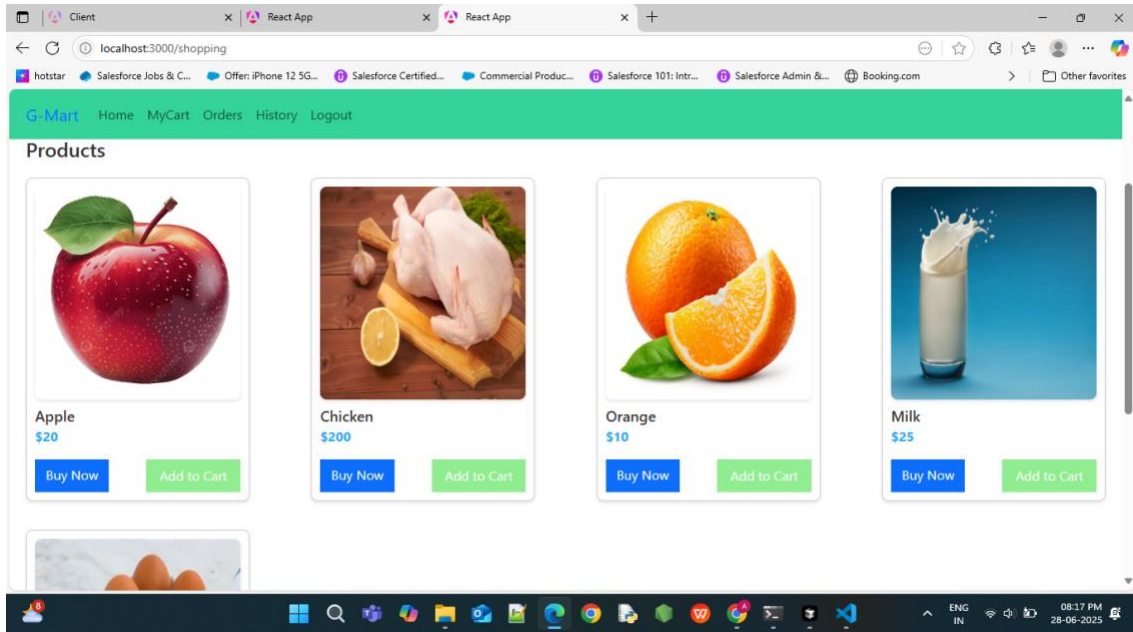
Testing

All major features like login, cart, and checkout were manually tested for functionality. Test cases ensured proper form validation, error handling, and secure access control. The interface was checked for responsiveness across different devices. Bug fixes were applied based on test results to ensure a smooth user experience.

Screenshots

Screenshots of the UI include Home Page, Login/Register, Cart View, and Admin Dashboard.
(Add images in actual submission)





Client React App React App

localhost:3000/order-details/685ffde21d3627a0076c8fb2

hotstar Salesforce Jobs & C... Offer: iPhone 12 5G... Salesforce Certified... Commercial Produc... Salesforce 101: Intr... Salesforce Admin &... Booking.com

G-Mart Home MyCart Orders History Logout

Order Details

First Name:
Enter your first name

Last Name:
Enter your last name

Phone:
Enter your phone number

Quantity:
Enter the quantity

Address:
Enter your address

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Client React App React App

localhost:3000/admin/add-product

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Grocery Web App Dashboard Users Products Add product Orders Logout

Add Product

Product Name Enter product name	Rating Enter product rating	Price Enter product price
Image URL Enter image URL	Category Select Category	Count in Stock Enter count in stock
Description Enter product description		

Add Product

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ClientReact AppReact App

localhost:3000/admin/users

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Grocery Web AppDashboardUsersProductsAdd productOrdersLogout

Users

sl/no	Userid	User name	Email	Operation
1	685ef41769210551014aef3f	Arthiprasad	arthisatya09@gmail.com	<div>view</div>

ENG IN08:19 PM28-06-2025

ClientReact AppReact App

localhost:3000/admin/orders

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Grocery Web AppDashboardUsersProductsAdd productOrdersLogout

Orders

Order ID: 685fff111d3627a0076c8fc7

Fullname: Arthi Bellamkonda

Phone: 1234567897

Product ID: 685ef81269210551014aef50

Quantity: 2

Total price: 20

Payment Method: cod

Address: gandhi nagar kakinada

Created At: 2025-06-28T14:41:21.794Z

Status: Pending

Update Status

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Conclusion

We gained practical experience in building and deploying a full-stack application using modern technologies. This project improved our skills in both frontend and backend development.

Future Enhancements

- Payment gateway integration
- Product categorization
- Order history
- Ratings and reviews
- Analytics for admin