FULLSTACK MERN PROJECT REPORT

PROJECT TITLE : SHOPSMART YOUR DIGITAL GROCERY STORE EXPERIENCE

TEAM ID: LTVIP2025TMID20506

Team Leader : Mohammad Asif Baig

Team member : Mirza Mohammad Abbas

Team member : Misala Charan Kumar

Team member : Mogalla Pavan Venkata Kumar

Team Member and Role:-

Name	Role
Mohammad Asif Baig	Team Lead, Backend Integration, Architecture
Mirza Mohammad Abbas	UI Development, React Components
Misala Charan Kumar	Project Coordination, API Integration, Deployment
Mogalla Pavan Venkata Kumar	Testing, Documentation, Support Modules

Introduction:

"Welcome to our Shopsmart Web App, your one-stop shop for all your grocery needs! With our user-friendly interface and wide selection of high-quality products, we aim to make your grocery shopping experience convenient and enjoyable. Whether you're looking for fresh produce, pantry staples, or household essentials, our app has you covered. Explore our virtual aisles, add items to your cart with ease, and have your groceries delivered right to your doorstep. Experience the future of grocery shopping with our Grocery Web App today!"

Project Overview:

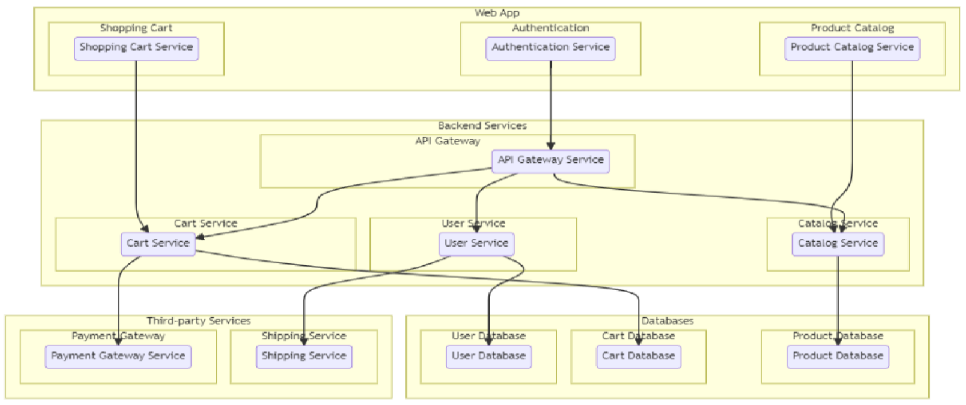
📝 Purpose:-

The purpose of ShopSmart: Your Digital Grocery Store Experience is to provide a seamless and convenient online shopping platform for a wide range of users, including tech-savvy individuals, homemakers, and everyday consumers. The project aims to make grocery shopping more accessible and efficient by offering a user-friendly web application where customers can explore products, manage their purchases, and enjoy a hassle-free digital experience. It also focuses on building trust by ensuring secure transactions and safeguarding user data.

☆ Features:-

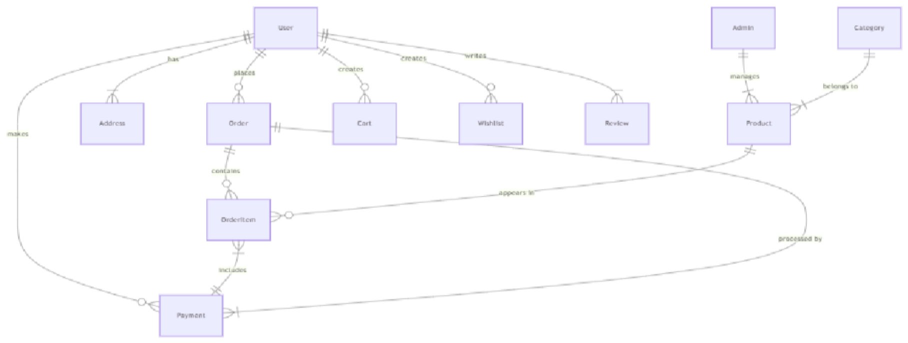
- User-Friendly Navigation: Intuitive and responsive design allows users to easily browse product categories and find what they need.
- Product Details and Cart Management: View product information, add items to the cart, and modify them before checkout.
- Secure Checkout Process: Seamless and protected payment system to complete purchases confidently.
- Seller Dashboard: Sellers can manage product listings, update inventory, and handle customer orders efficiently.
- Admin Panel: Administrators can process payments, monitor user activity, and respond to customer inquiries.
- Data Privacy and Security: Emphasis on securing customer data and maintaining confidentiality of personal information.
- Wide Product Selection: Includes essentials across various categories to cater to different types of customers.
- Optimized Shopping Experience: The app is built to ensure speed, reliability, and customer satisfaction.

Technical Architecture:-



The technical architecture of an grocery-webapp app typically involves a client-server model, where the frontend represents the client and the backend serves as the server. The frontend is responsible for user interface, interaction, and presentation, while the backend handles data storage, business logic, and integration with external services like payment gateways and databases. Communication between the frontend and backend is typically facilitated through APIs, enabling seamless data exchange and functionality.

ER-Diagram:



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Key Features:

Product Catalog: Our grocery-webapp app provides an extensive product catalog with various categories and subcategories. Users can easily search, browse, and filter products based on their preferences, making it effortless to find the desired items.
Shopping Cart and Checkout: The app includes a shopping cart feature that enables users to add products, review their cart, and proceed to checkout. The checkout process offers multiple payment options, ensuring a smooth and secure transaction experience.
Product Reviews and Ratings: Customers can provide feedback and rate products, helping other users make informed purchasing decisions. This feature fosters a sense of community and trust among users.
Order Tracking: Once an order is placed, users can track its status in real-time. They receive updates on order processing, shipping, and delivery, providing transparency and peace of mind.
Admin Dashboard: For administrators, our grocery-webapp app offers a comprehensive dashboard to manage products, inventory, orders, and customer information. It provides insights into sales performance, stock levels, and customer analytics, enabling efficient business operations.
Order Management: The app manages the order lifecycle, including order placement, tracking, and status updates. Users can view their order history, track shipments, and request returns or cancellations.
Search and Filtering: Users can search for products using keywords and apply filters to narrow down the search results based on criteria such as price range, brand, or customer ratings.
Shopping Cart and Checkout: The app includes a shopping cart feature that enables users to add products, review their cart, and proceed to checkout. The checkout process offers multiple payment options, ensuring a smooth and secure transaction experience.
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Search and Filtering: Users can search for products using keywords and apply filters to narrow down the search results based on criteria such as price range, brand, or customer ratings.

PRE REQUISITES:

To develop a full-stack Ecommerce App for Furniture Tool using React js, Node.js,Express js and MongoDB, there are several prerequisites you should consider. Here are the key prerequisites for developing such an application:

Node.js and npm: Install Node.js, which includes npm (Node Package Manager), on your development machine. Node.js is required to run JavaScript on the server side.
• Download: https://nodejs.org/en/download/
• Installation instructions:https://nodejs.org/en/download/package-manager/

MongoDB: Set up a MongoDB database to store hotel and booking information. Install MongoDB locally or use a cloud-based MongoDB service.
• Download: https://www.mongodb.com/try/download/community
• Installation instructions:https://docs.mongodb.com/manual/installation/

Express.js: Express.js is a web application framework for Node.js. Install Express.js to handle server-side routing, middleware, and API development.
• Installation: Open your command prompt or terminal and run the following command: **npm install express**

React js: React is a JavaScript library for building client-side applications.

And Creating Single Page Web-Appliaction

Getting Started

Create React App is an officially supported way to create single-page React applications. It offers a modern build setup with no configuration.

Quik Start

```
npm create vite@latest
cd my-app
npm install
npm run dev
```

If you've previously installed create-react-app globally via npm install -g create-react-app, we recommend you uninstall the package using npm uninstall -g create-react-app or yarn global remove create-react-app to ensure that npx always uses the latest version.

Create a new React project:

• Choose or create a directory where you want to set up your React project.

• Open your terminal or command prompt.

• Navigate to the selected directory using the cd command.

• Create a new React project by running the following command: npx create-react-app your-app-name.Wait for the project to be created:

• This command will generate the basic project structure and install the necessary dependencies

Navigate into the project directory:

• After the project creation is complete, navigate into the project directory by running the following command**: cd your-app-name**

Start the development server:

• To launch the development server and see your React app in the browser, run the following command: **npm run dev**

• The npm start will compile your app and start the development server.

• Open your web browser and navigate to https://localhost:5173 to see your React app.

You have successfully set up React on your machine and created a new React project. You can now start building your app by modifying the generated project files in the src directory.

Please note that these instructions provide a basic setup for React. You can explore more ad- vanced configurations and features by referring to the official React documentation: https://react.dev/

HTML, CSS, and JavaScript: Basic knowledge of HTML for creating the structure of your app, CSS for styling, and JavaScript for client-side interactivity is essential.

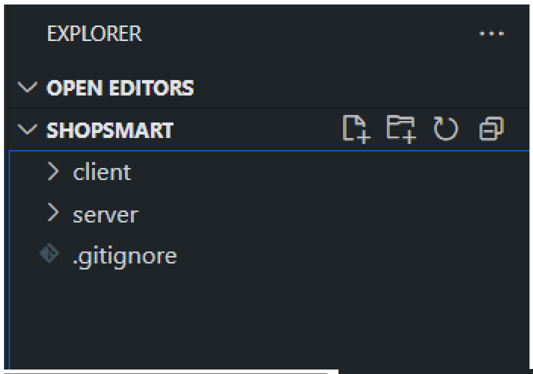
Database Connectivity: Use a MongoDB driver or an Object-Document Mapping (ODM) library like Mongoose to connect your Node.js server with the MongoDB database and perform CRUD (Create, Read, Update, Delete) operations.

Front-end Library: Utilize React to build the user-facing part of the application, including products listings, booking forms, and user interfaces for the admin dashboard.

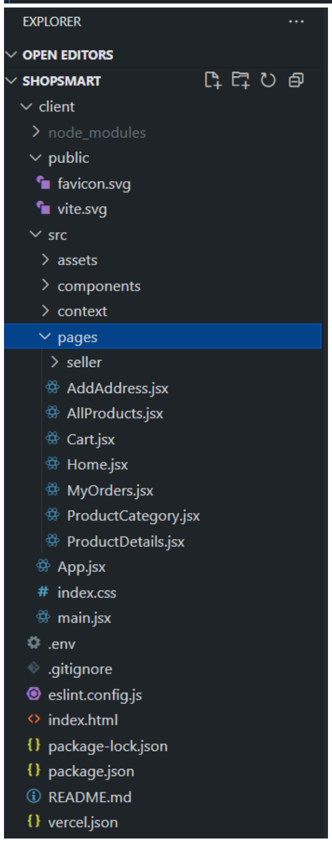
Version Control: Use Git for version control, enabling collaboration and tracking changes throughout the development process. Platforms like GitHub or Bitbucket can host your repository.
• Git: Download and installation instructions can be found at: https://git-scm.com/downloads

Development Environment: Choose a code editor or Integrated Development Environment (IDE) that suits your preferences, such as Visual Studio Code, Sublime Text, or WebStorm.
• Visual Studio Code: Download from https://code.visualstudio.com/download
• Sublime Text: Download from https://www.sublimetext.com/download
• WebStorm: Download from https://www.jetbrains.com/webstorm/download

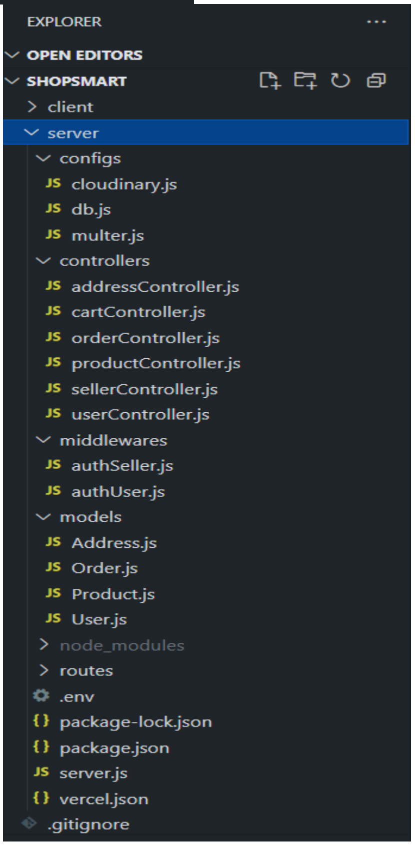
Project Structure:-



```
EXPLORER ...
∨ OPEN EDITORS
∨ SHOPSMART
  > client
  > server
    .gitignore
```



```
EXPLORER ...
∨ OPEN EDITORS
∨ SHOPSMART
  ∨ client
    > node_modules
    ∨ public
        favicon.svg
        vite.svg
    ∨ src
      > assets
      > components
      > context
      ∨ pages
        > seller
          AddAddress.jsx
          AllProducts.jsx
          Cart.jsx
          Home.jsx
          MyOrders.jsx
          ProductCategory.jsx
          ProductDetails.jsx
        App.jsx
        index.css
        main.jsx
      .env
      .gitignore
      eslint.config.js
      index.html
      package-lock.json
      package.json
      README.md
      vercel.json
```



```
EXPLORER ...
∨ OPEN EDITORS
∨ SHOPSMART
  > client
  ∨ server
    ∨ configs
        cloudinary.js
        db.js
        multer.js
    ∨ controllers
        addressController.js
        cartController.js
        orderController.js
        productController.js
        sellerController.js
        userController.js
    ∨ middlewares
        authSeller.js
        authUser.js
    ∨ models
        Address.js
        Order.js
        Product.js
        User.js
    > node_modules
    > routes
      .env
      package-lock.json
      package.json
      server.js
      vercel.json
    .gitignore
```

Roles and Responsibility

User:-

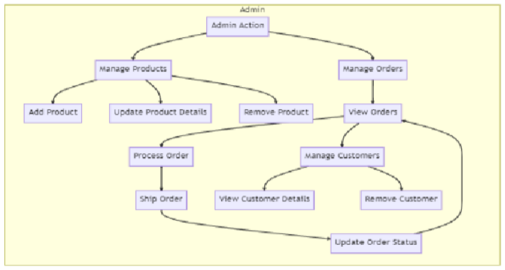
- Registration and Authentication: Users are responsible for creating an account on the platform and securely logging in to access its features.
- Browsing and Shopping: Users can browse products, add them to their cart, and proceed to checkout for purchasing.

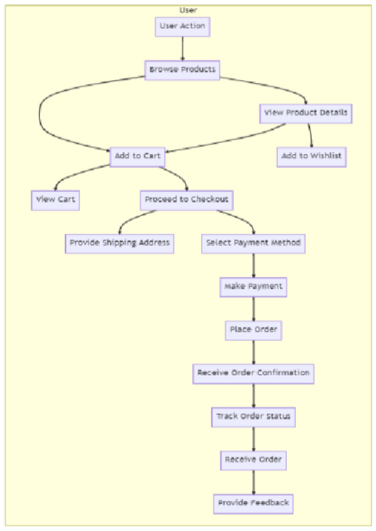
- Payment: Users are responsible for making payments for their orders using the available payment methods.
- Order Management: Users can view their order history, track their deliveries, and manage their account details.
- Feedback and Reviews: Users can provide feedback on products and services and leave reviews to help other users make informed decisions.
- Compliance: Users are expected to adhere to the platform's terms and conditions and privacy policy.

Admin:-

- User Management: Admins can manage user accounts, including creating, updating, and deleting accounts as necessary.
- Product Management: Admins are responsible for managing the platform's product listings, including adding new products, updating existing ones, and removing outdated products.
- Order Management: Admins can view and manage all orders placed on the platform, including processing payments, tracking deliveries, and handling returns or refunds.
- Content Management: Admins can manage the platform's content, including creating and updating informational pages, blog posts, and other content.
- Analytics and Reporting: Admins can generate reports and analyze data to gain insights into the platform's performance and user behavior.
- Compliance and Security: Admins are responsible for ensuring that the platform complies with relevant laws and regulations and that user data is kept secure.
- Customer Support: Admins can provide support to users, including responding to inquiries, resolving issues, and handling complaints.
- Marketing and Promotion: Admins can create and manage marketing campaigns and promotions to attract and retain users.

Admin & User Flow:





The project flow for a grocery-web app involves user actions such as browsing products, adding items to the cart, proceeding to checkout, providing shipping details, selecting payment methods, making payments, and receiving order confirmation. Admin
actions include managing products, viewing and processing orders, managing customers, and updating product details.

PROJECT FLOW:-

Before starting to work on this project, let's see the demo.

Demo link:-
https://drive.google.com/file/d/1OA5mkJzda3LZc8Uo7BAI8qZHcH3wHiuy/view?usp=sharing

Milestone 1: Project Setup and Configuration:

1. Install required tools and software:

- Node.js.
- MongoDB.
- Create-react-app.

2. Create project folders and files:

- Client folders.

- Server folders.

3. Install Packages:

Frontend npm Packages

- Axios.
- React-Router –dom.
- Bootstrap.
- React-Bootstrap.
- React-icons.

Backend npm Packages

- Express.
- Mongoose.
- Cors.

Milestone 2: Backend Development:

- **Setup express server**
    1. Create index.js file in the server (backend folder).
    2. Create a .env file and define port number to access it globally.
    3. Configure the server by adding cors, body-parser.

- **User Authentication:**
    - Create routes and middleware for user registration, login, and logout.
    - Set up authentication middleware to protect routes that require user authentication.

- **Define API Routes:**

- Create separate route files for different API functionalities such as users orders, and authentication.
- Define the necessary routes for listing products, handling user registration and login,managing orders, etc.
- Implement route handlers using Express.js to handle requests and interact with the database.

- **Implement Data Models:**
  - Define Mongoose schemas for the different data entities like products, users, and orders.
  - Create corresponding Mongoose models to interact with the MongoDB database.
  - Implement CRUD operations (Create, Read, Update, Delete) for each model to perform database operations.

- **User Authentication:**
  - Create routes and middleware for user registration, login, and logout.
  - Set up authentication middleware to protect routes that require user authentication.

- **Error Handling:**
  - Implement error handling middleware to catch and handle any errors that occur during the API requests.
  - Return appropriate error responses with relevant error messages and HTTP status codes.

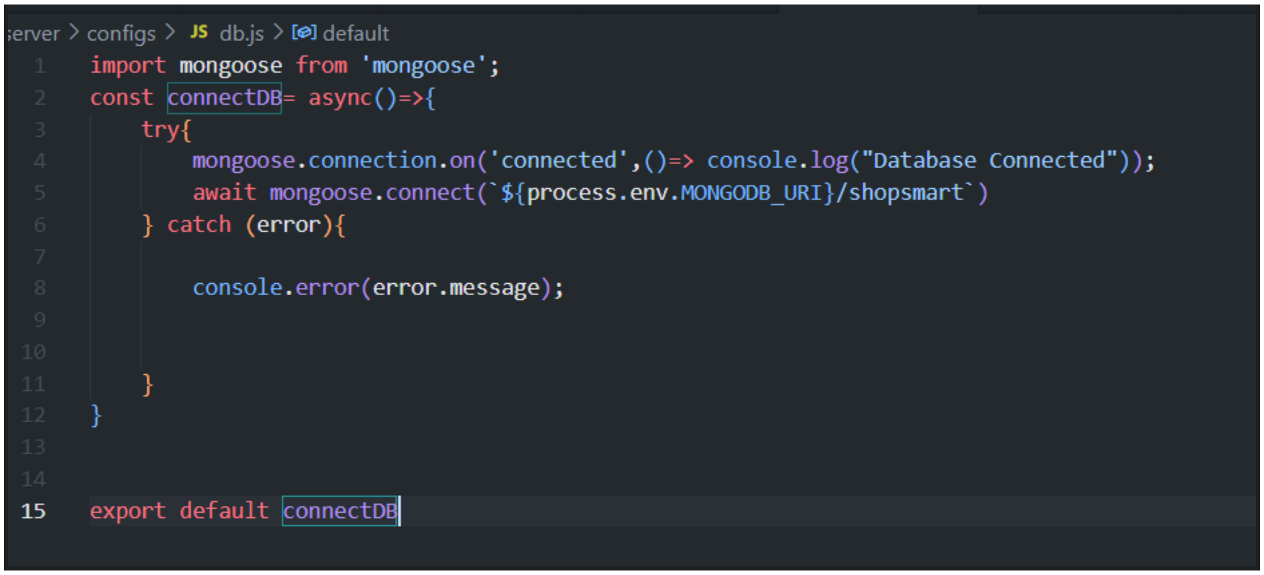
Milestone 3: Database:

1. Configure MongoDB:

- Install Mongoose.
- Create database connection.
- Create Schemas & Models.

2. Connect database to backend:

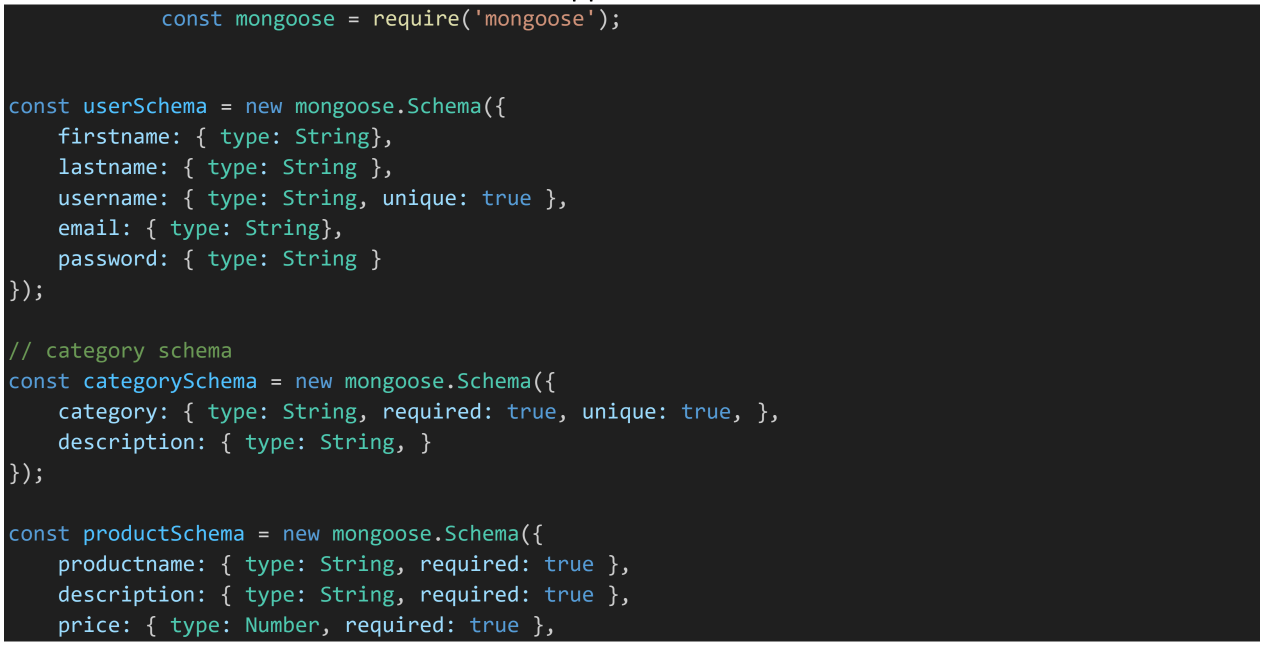
Now, make sure the database is connected before performing any of the actions through the backend. The connection code looks similar to the one provided below.



```
import mongoose from 'mongoose';
const connectDB= async()=>{
    try{
        mongoose.connection.on('connected',()=> console.log("Database Connected"));
        await mongoose.connect(`${process.env.MONGODB_URI}/shopsmart`)
    } catch (error){

        console.error(error.message);


    }
}


export default connectDB
```

3. Configure Schema:

Firstly, configure the Schemas for MongoDB database, to store the data in such pattern. Use the data from the ER diagrams to create the schemas.
The schemas are looks like for the Application.



```
            const mongoose = require('mongoose');


const userSchema = new mongoose.Schema({
    firstname: { type: String},
    lastname: { type: String },
    username: { type: String, unique: true },
    email: { type: String},
    password: { type: String }
});

// category schema
const categorySchema = new mongoose.Schema({
    category: { type: String, required: true, unique: true, },
    description: { type: String, }
});

const productSchema = new mongoose.Schema({
    productname: { type: String, required: true },
    description: { type: String, required: true },
    price: { type: Number, required: true },
    image: { type: String, required: true },
    category: { type: String, ref: 'Category', required: true },
    countInStock: { type: Number, required: true, min: 0 },
    rating: { type: Number, required: true },
    dateCreated: { type: Date, default: Date.now }
});

const addToCartSchema = new mongoose.Schema({
    userId: { type: String, required: true },
    productId: { type: String, required: true },
    quantity: { type: Number, minimum: 1, required: true, default: 1 },
});

const orderSchema = new mongoose.Schema({
    firstname: { type: String, required: true },
    lastname: { type: String, required: true },
    user: { type: String, ref: 'User', required: true },
    phone: { type: String, required: true },
    productId: { type: String, required: true },
    productName: { type: String, required: true },
    quantity: { type: String, default: 1 },
    price: { type: String, required: true },
    status: { type: String, enum: ['Pending', 'Confirmed', 'Shipped', 'Delivered', 'Canceled',],
default: 'Pending' },
    paymentMethod: { type: String, required: true },
    address: { type: String, required: true },
    createdAt: { type: Date, default: Date.now }
});

const models = {
    Users: mongoose.model('User', userSchema),
    Category: mongoose.model('Category', categorySchema),
    Product: mongoose.model('Product', productSchema),
    AddToCart: mongoose.model('AddToCart', addToCartSchema),
    Order: mongoose.model('Order', orderSchema),

};

module.exports = models;
```

Milestone 4: Frontend Development:

1. Setup React Application:

- Create React application.
- Configure Routing.
- Install required libraries.

2. Design UI components:

• Create Components.

• Implement layout and styling.

• Add navigation.

3. Implement frontend logic:

• Integration with API endpoints.

• Implement data binding.

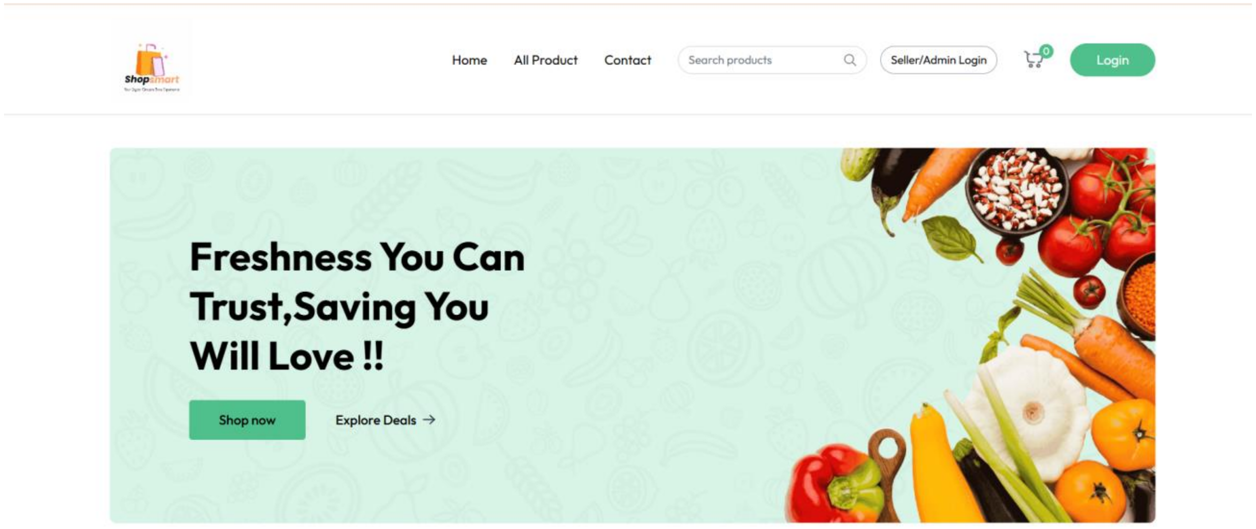
Reference:-

https://drive.google.com/file/d/1jzebl3jn6a37_ntwPmjg5K2yzpKPbF0a/view?usp=sharing

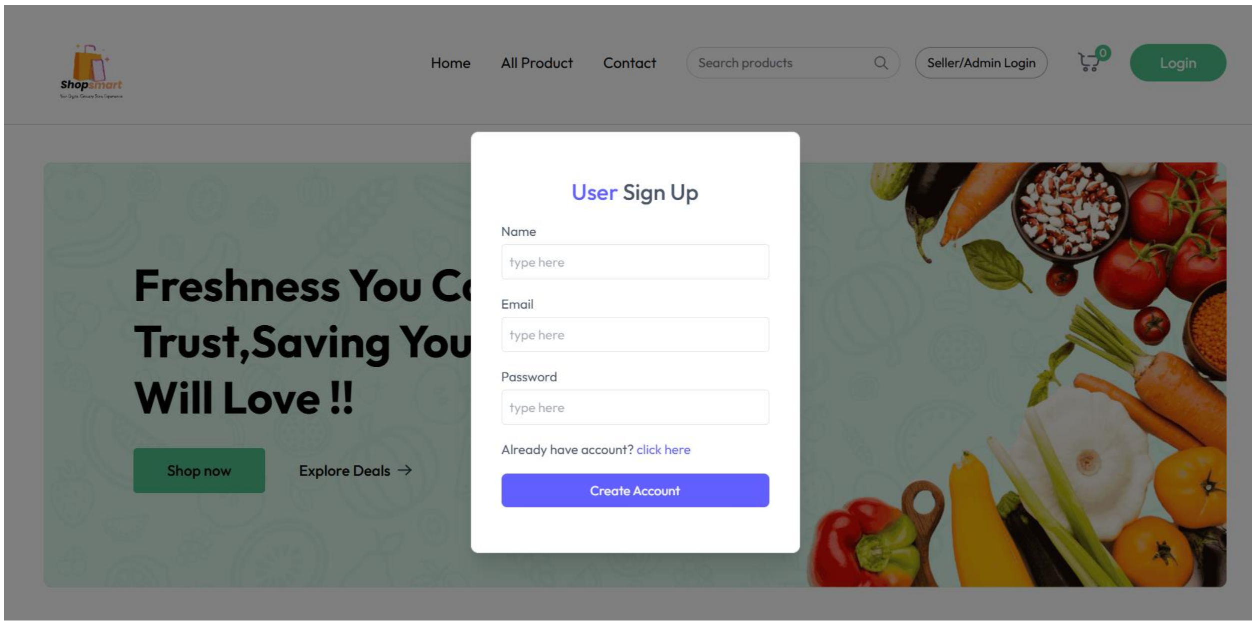
Milestone 5: Project Implementation:

Finally, after finishing coding the projects we run the whole project to test it's working process and look for bugs. Now, let's have a final look at the working of our Darshan Ease.

Landing page:-



Register Page:-



User Sign Up

Name

type here

Email

type here

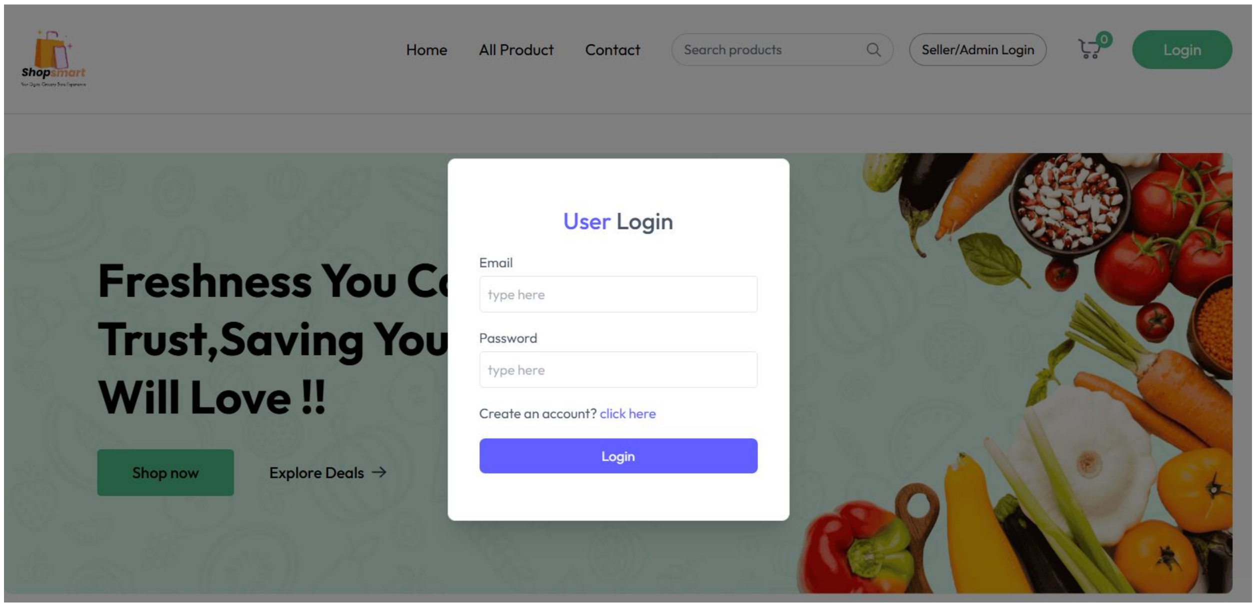
Password

type here

Already have account? click here

Create Account

Login Page:-



User Login

Email

type here

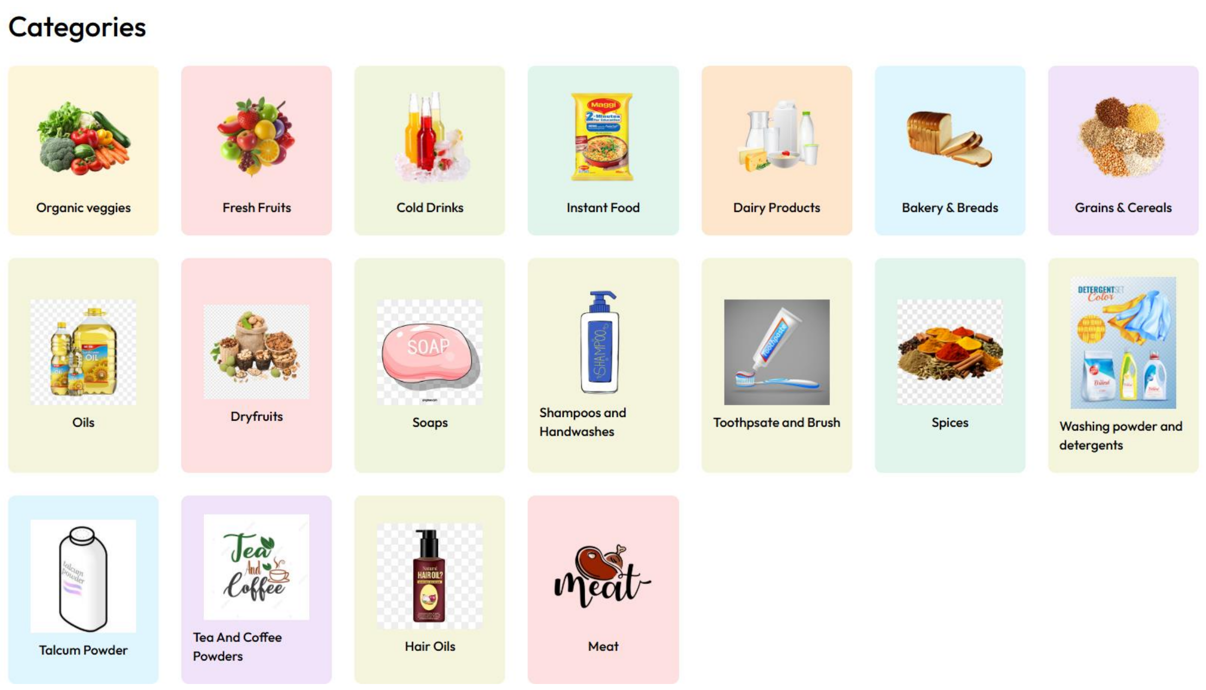
Password

type here

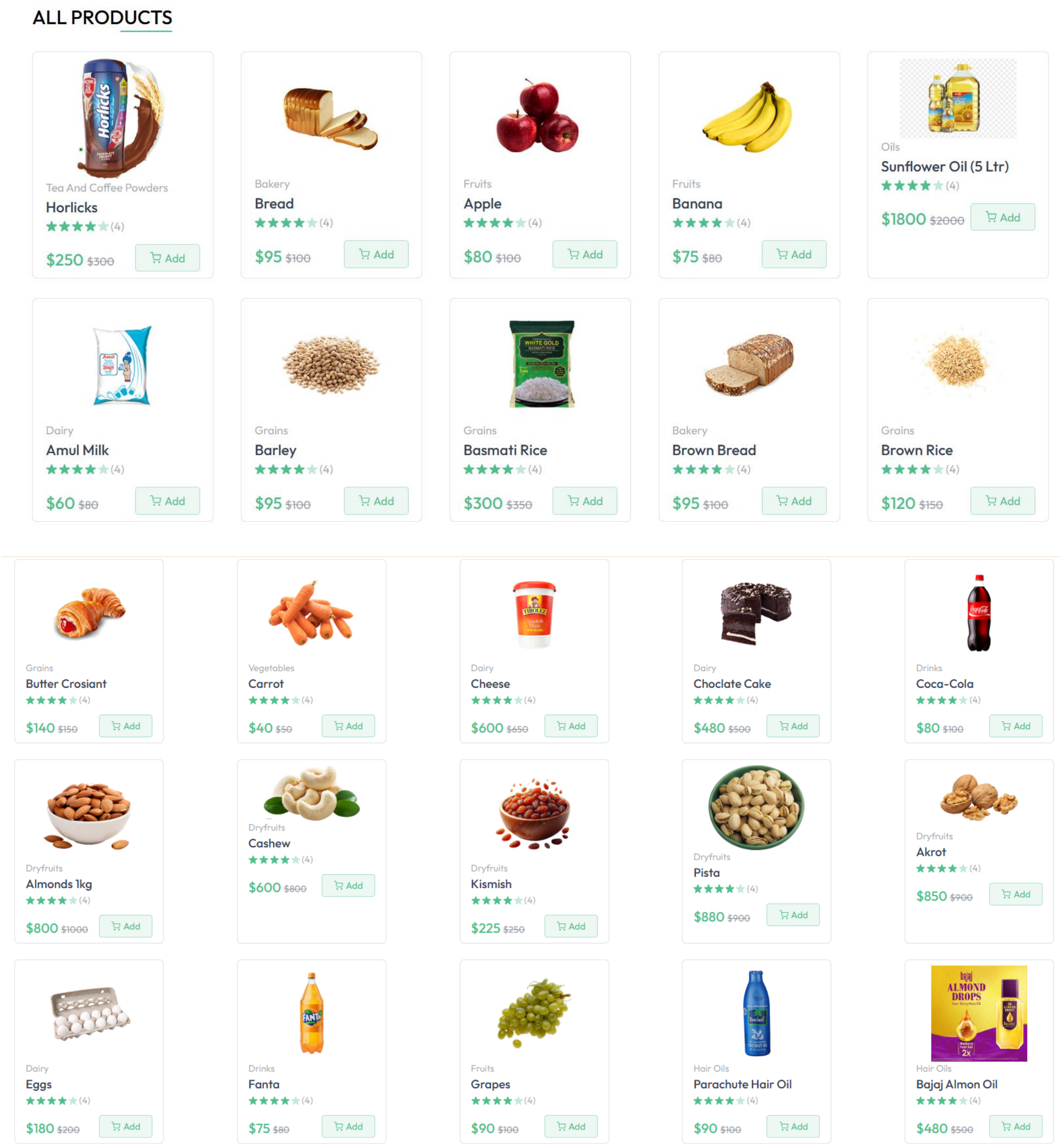
Create an account? click here

Login

Category Page:-



All Products Page:-



ALL PRODUCTS

Tea And Coffee Powders
Horlicks
★★★★☆ (4)
$250 ~~$300~~ Add

Bakery
Bread
★★★★☆ (4)
$95 ~~$100~~ Add

Fruits
Apple
★★★★☆ (4)
$80 ~~$100~~ Add

Fruits
Banana
★★★★☆ (4)
$75 ~~$80~~ Add

Oils
Sunflower Oil (5 Ltr)
★★★★☆ (4)
$1800 ~~$2000~~ Add

Dairy
Amul Milk
★★★★☆ (4)
$60 ~~$80~~ Add

Grains
Barley
★★★★☆ (4)
$95 ~~$100~~ Add

Grains
Basmati Rice
★★★★☆ (4)
$300 ~~$350~~ Add

Bakery
Brown Bread
★★★★☆ (4)
$95 ~~$100~~ Add

Grains
Brown Rice
★★★★☆ (4)
$120 ~~$150~~ Add

Grains
Butter Crosiant
★★★★☆ (4)
$140 ~~$150~~ Add

Vegetables
Carrot
★★★★☆ (4)
$40 ~~$50~~ Add

Dairy
Cheese
★★★★☆ (4)
$600 ~~$650~~ Add

Dairy
Choclate Cake
★★★★☆ (4)
$480 ~~$500~~ Add

Drinks
Coca-Cola
★★★★☆ (4)
$80 ~~$100~~ Add

Dryfruits
Almonds 1kg
★★★★☆ (4)
$800 ~~$1000~~ Add

Dryfruits
Cashew
★★★★☆ (4)
$600 ~~$800~~ Add

Dryfruits
Kismish
★★★★☆ (4)
$225 ~~$250~~ Add

Dryfruits
Pista
★★★★☆ (4)
$880 ~~$900~~ Add

Dryfruits
Akrot
★★★★☆ (4)
$850 ~~$900~~ Add

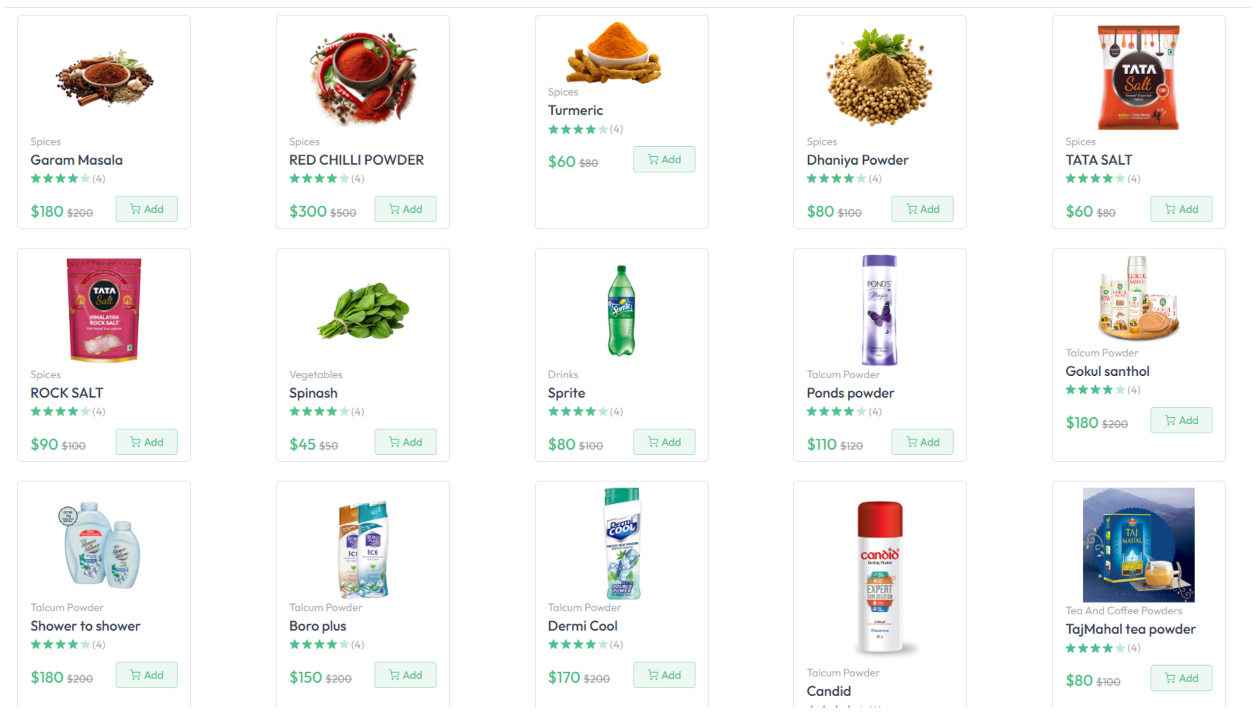
Dairy
Eggs
★★★★☆ (4)
$180 ~~$200~~ Add

Drinks
Fanta
★★★★☆ (4)
$75 ~~$80~~ Add

Fruits
Grapes
★★★★☆ (4)
$90 ~~$100~~ Add

Hair Oils
Parachute Hair Oil
★★★★☆ (4)
$90 ~~$100~~ Add

Hair Oils
Bajaj Almon Oil
★★★★☆ (4)
$480 ~~$500~~ Add



Spices
Garam Masala
★★★★★ (4)
$180 ~~$200~~ Add

Spices
RED CHILLI POWDER
★★★★★ (4)
$300 ~~$500~~ Add

Spices
Turmeric
★★★★★ (4)
$60 ~~$80~~ Add

Spices
Dhaniya Powder
★★★★★ (4)
$80 ~~$100~~ Add

Spices
TATA SALT
★★★★★ (4)
$60 ~~$80~~ Add

Spices
ROCK SALT
★★★★★ (4)
$90 ~~$100~~ Add

Vegetables
Spinash
★★★★★ (4)
$45 ~~$50~~ Add

Drinks
Sprite
★★★★★ (4)
$80 ~~$100~~ Add

Talcum Powder
Ponds powder
★★★★★ (4)
$110 ~~$120~~ Add

Talcum Powder
Gokul santhol
★★★★★ (4)
$180 ~~$200~~ Add

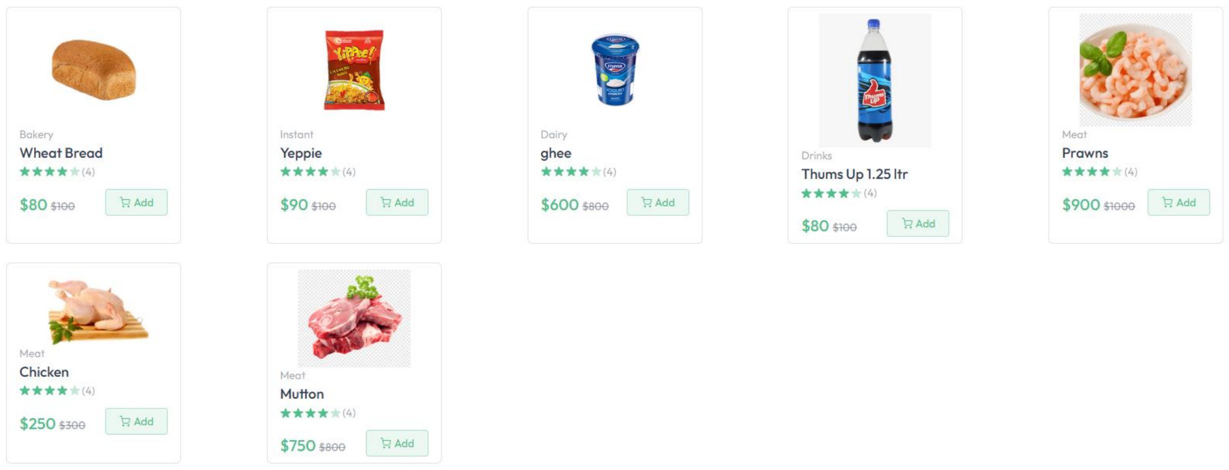
Talcum Powder
Shower to shower
★★★★★ (4)
$180 ~~$200~~ Add

Talcum Powder
Boro plus
★★★★★ (4)
$150 ~~$200~~ Add

Talcum Powder
Dermi Cool
★★★★★ (4)
$170 ~~$200~~ Add

Talcum Powder
Candid

Tea And Coffee Powders
TajMahal tea powder
★★★★★ (4)
$80 ~~$100~~ Add



Bakery
Wheat Bread
★★★★★ (4)
$80 ~~$100~~ Add

Instant
Yeppie
★★★★★ (4)
$90 ~~$100~~ Add

Dairy
ghee
★★★★★ (4)
$600 ~~$800~~ Add

Drinks
Thums Up 1.25 ltr
★★★★★ (4)
$80 ~~$100~~ Add

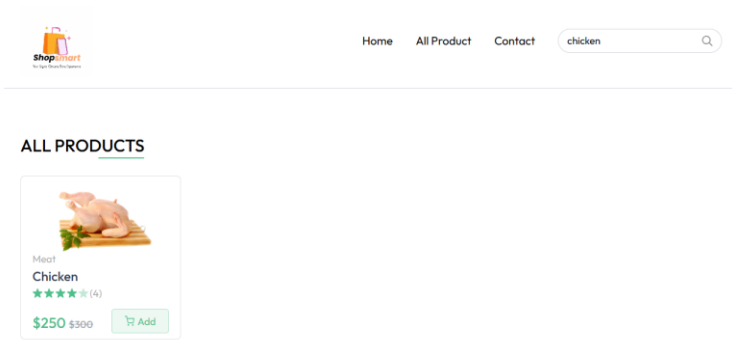
Meat
Prawns
★★★★★ (4)
$900 ~~$1000~~ Add

Meat
Chicken
★★★★★ (4)
$250 ~~$300~~ Add

Meat
Mutton
★★★★★ (4)
$750 ~~$800~~ Add

Search Feature:-

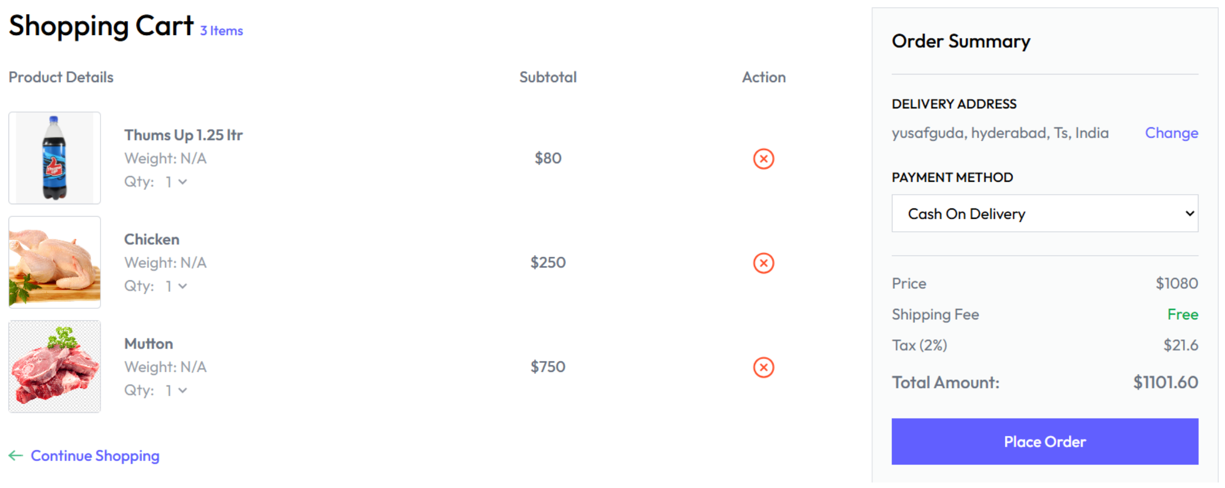
Search product through search bar and it filters and show you the product



ALL PRODUCTS

Meat
Chicken
★★★★★ (4)
$250 ~~$300~~ Add

My Cart:-



Shopping Cart 3 Items

Product Details	Subtotal	Action
Thums Up 1.25 ltr Weight: N/A Qty: 1	$80	⊗
Chicken Weight: N/A Qty: 1	$250	⊗
Mutton Weight: N/A Qty: 1	$750	⊗

← Continue Shopping

Order Summary

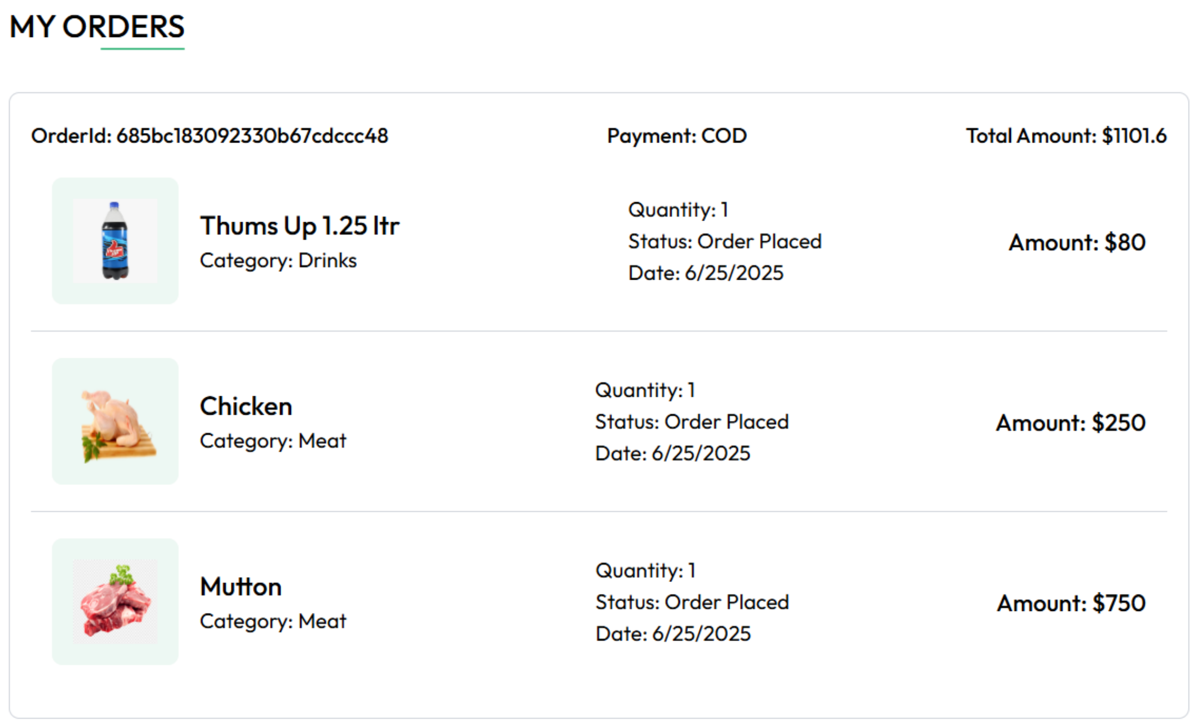
DELIVERY ADDRESS
yusafguda, hyderabad, Ts, India Change

PAYMENT METHOD
Cash On Delivery

Price	$1080
Shipping Fee	Free
Tax (2%)	$21.6
Total Amount:	$1101.60

Place Order

My Orders Page:-

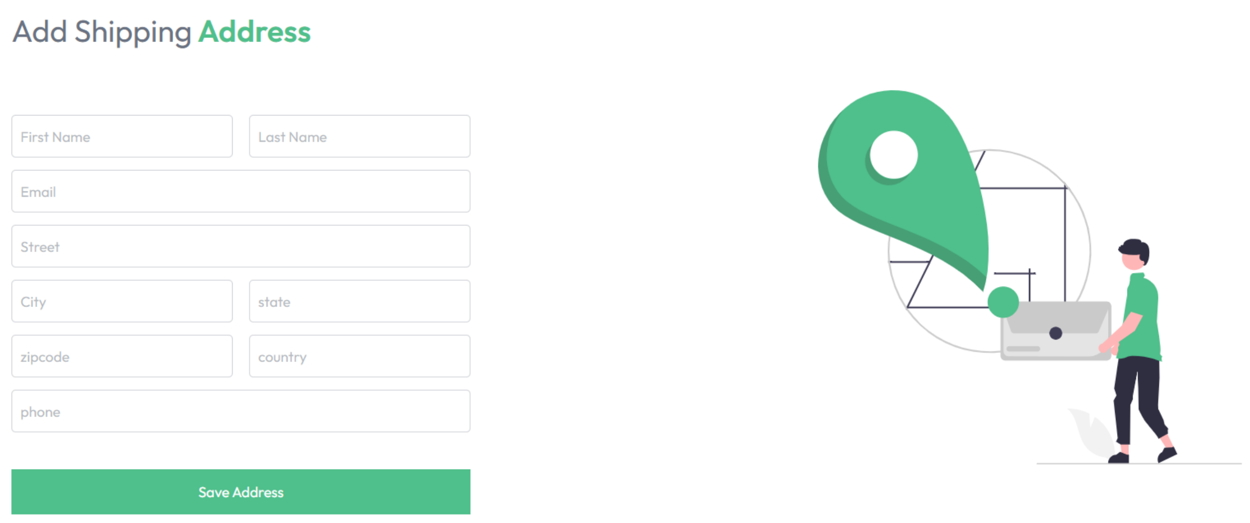


MY ORDERS

OrderId: 685bc183092330b67cdccc48 Payment: COD Total Amount: $1101.6

Thums Up 1.25 ltr Category: Drinks	Quantity: 1 Status: Order Placed Date: 6/25/2025	Amount: $80
Chicken Category: Meat	Quantity: 1 Status: Order Placed Date: 6/25/2025	Amount: $250
Mutton Category: Meat	Quantity: 1 Status: Order Placed Date: 6/25/2025	Amount: $750

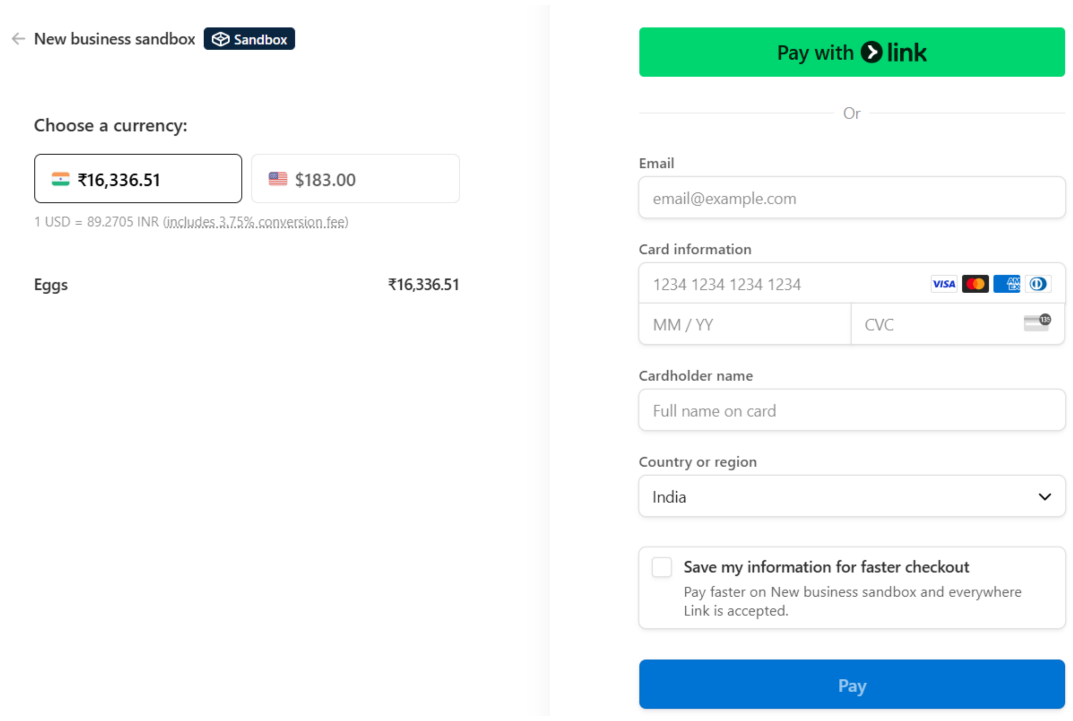
Address Page:-


Add Shipping Address

First Name | Last Name
Email
Street
City | state
zipcode | country
phone

Save Address

Payment Page (online payment:Stripe):-


← New business sandbox Sandbox

Choose a currency:

₹16,336.51 | $183.00

1 USD = 89.2705 INR (includes 3.75% conversion fee)

Eggs ₹16,336.51

Pay with link

Or

Email
email@example.com

Card information
1234 1234 1234 1234
MM / YY | CVC

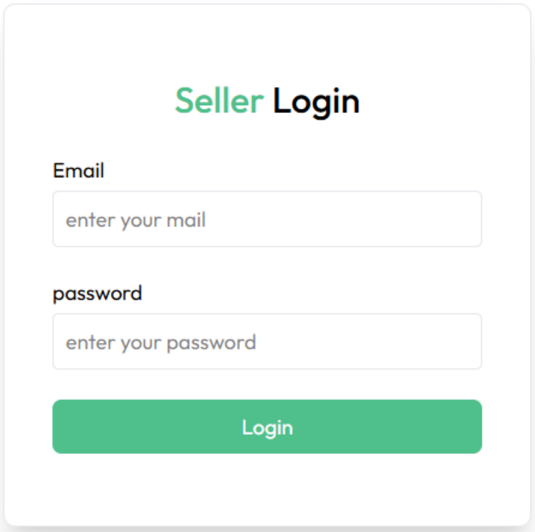
Cardholder name
Full name on card

Country or region
India

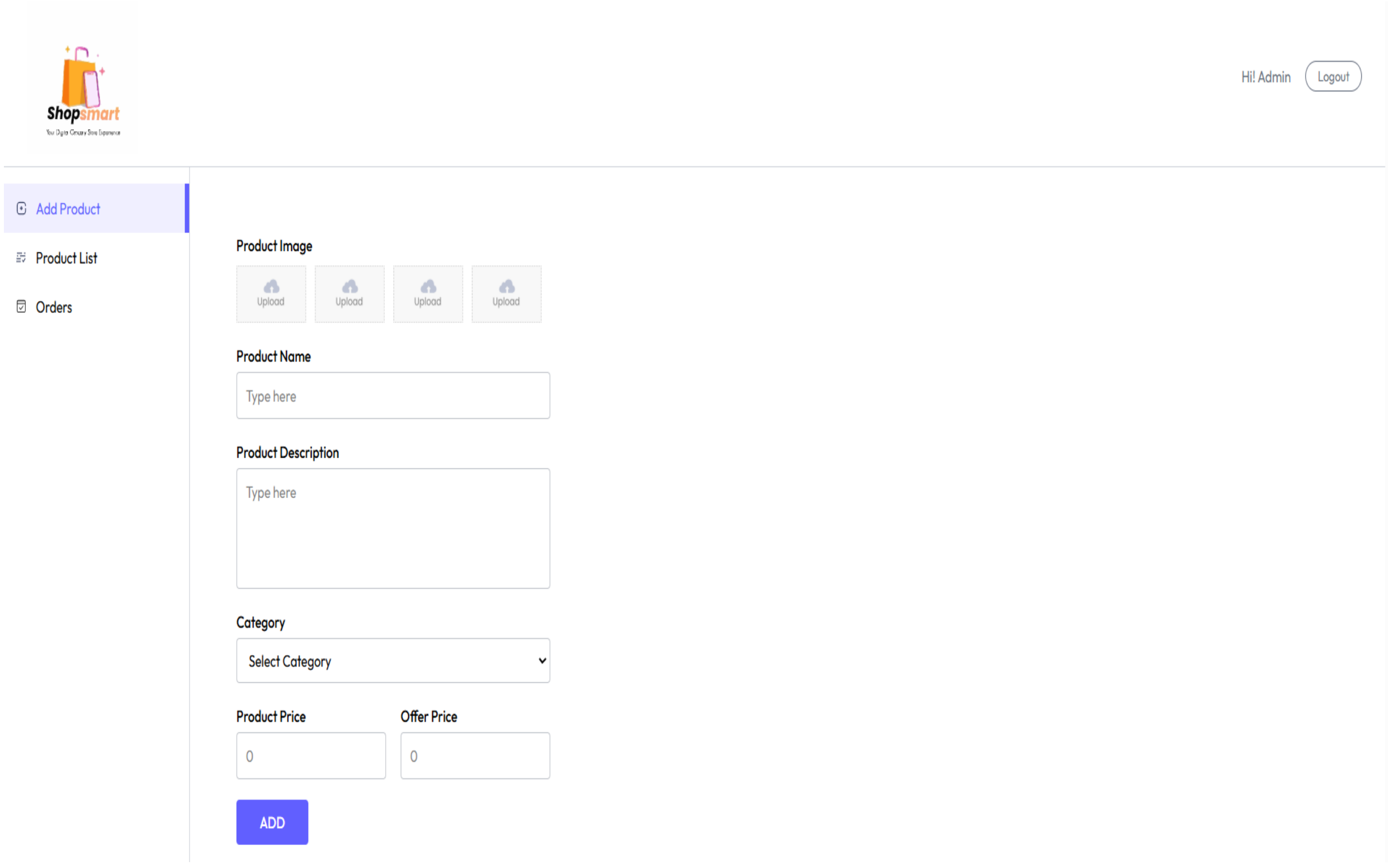
Save my information for faster checkout
Pay faster on New business sandbox and everywhere Link is accepted.

Pay

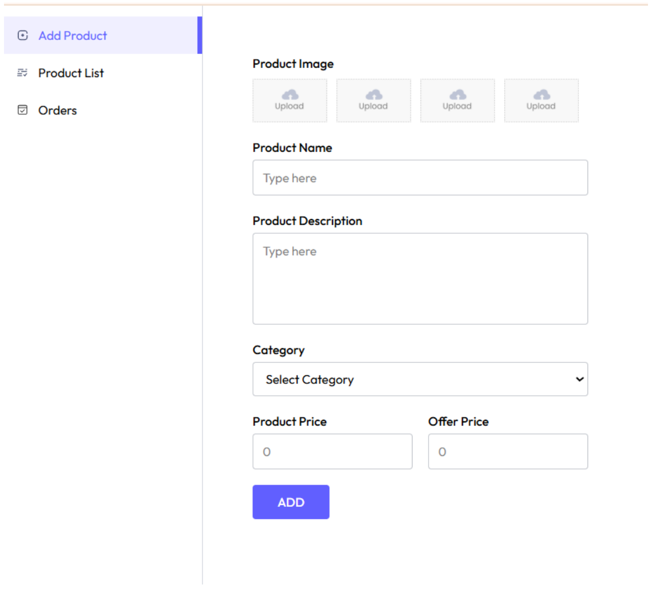
Admin Login Page:-



Admin Dashboard Page:



Add Product page:-



Product Image

Upload Upload Upload Upload

Product Name

Type here

Product Description

Type here

Category

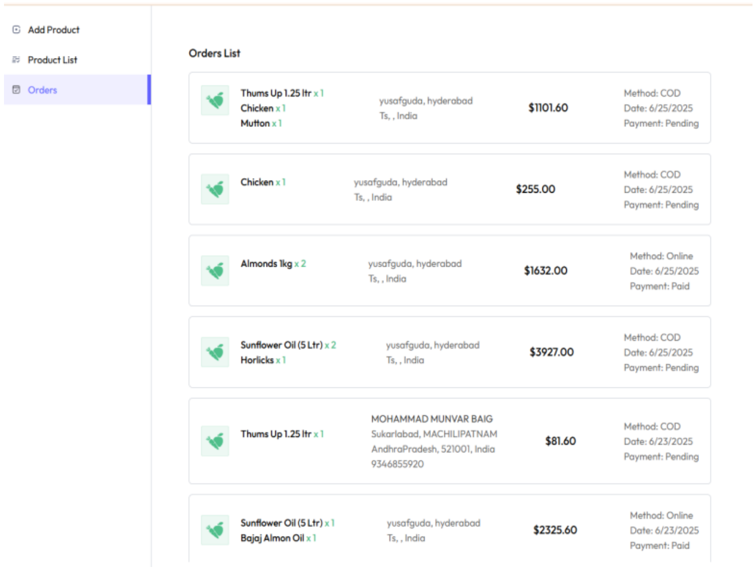
Select Category

Product Price: 0

Offer Price: 0

ADD

Admin Orders Page:-



Orders List

Thums Up 1.25 ltr x 1 Chicken x 1 Mutton x 1	yusafguda, hyderabad Ts, , India	$1101.60	Method: COD Date: 6/25/2025 Payment: Pending
Chicken x 1	yusafguda, hyderabad Ts, , India	$255.00	Method: COD Date: 6/25/2025 Payment: Pending
Almonds 1kg x 2	yusafguda, hyderabad Ts, , India	$1632.00	Method: Online Date: 6/25/2025 Payment: Paid
Sunflower Oil (5 Ltr) x 2 Horlicks x 1	yusafguda, hyderabad Ts, , India	$3927.00	Method: COD Date: 6/25/2025 Payment: Pending
Thums Up 1.25 ltr x 1	MOHAMMAD MUNVAR BAIG Sukarlabad, MACHILIPATNAM AndhraPradesh, 521001, India 9346855920	$81.60	Method: COD Date: 6/23/2025 Payment: Pending
Sunflower Oil (5 Ltr) x 1 Bajaj Almon Oil x 1	yusafguda, hyderabad Ts, , India	$2325.60	Method: Online Date: 6/23/2025 Payment: Paid

The demo of the app is available at:-

https://drive.google.com/file/d/1OA5mkJzda3LZc8Uo7BAI8qZHcH3wHiuy/view?usp=sharing

The demo code and overall project at :-

https://drive.google.com/file/d/1jzebl3jn6a37_ntwPmjg5K2yzpKPbF0a/view?usp=sharing

Future Enhancements:-

1. Multi-Vendor Marketplace
   Enable multiple sellers to register and manage their own shops, expanding the platform's scalability.
2. Product Recommendation System
   Use machine learning to suggest products based on user behavior, preferences, and purchase history.
3. Coupons and Promo Codes
   Add support for discount coupons and promotional codes to boost sales and user engagement.
4. Order Tracking System
   Allow users to track their orders in real-time with status updates and estimated delivery times.
5. PWA Support
   Convert the web app into a Progressive Web App (PWA) for offline use and mobile installation.
6. Review and Rating System
   Let customers review and rate products, enhancing trust and product feedback.
7. Chatbot Integration
   Implement an AI-powered chatbot to assist users with queries, orders, and support.
8. Admin Analytics Dashboard
   Add a visual dashboard with graphs and statistics to help admins track sales, orders, and user activity.

** *Thank You* **