Project Specification Documentation

Advance Web Engineering (AWE)

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Project Name: Grocery
Project Type: E-commerce Web Site

Business Case

The business case for designing an eCommerce grocery website with Laravel on the backend and React on the frontend is around providing a strong, scalable, and user-friendly platform that is adapted to the changing demands of modern customers. Laravel, known for its simple syntax and extensive backend features, guarantees safe and efficient data management, user authentication, and seamless connectivity with databases, which are crucial for managing inventory, orders, and customer information in the supermarket industry. The component-based design of react provides a dynamic and responsive user interface, improving the overall user experience with quick loading speeds and interactive features.

Technology and Library Used:
The following technology and library are used in this project:

Libraries and Versions

1. **PHP**:

```
PHP 8.2.12 (cli) (built: Oct 24 2023 21:15:15) (ZTS Visual C++ 2019 x64)
Copyright (c) The PHP Group
Zend Engine v4.2.12, Copyright (c) Zend Technologies
```
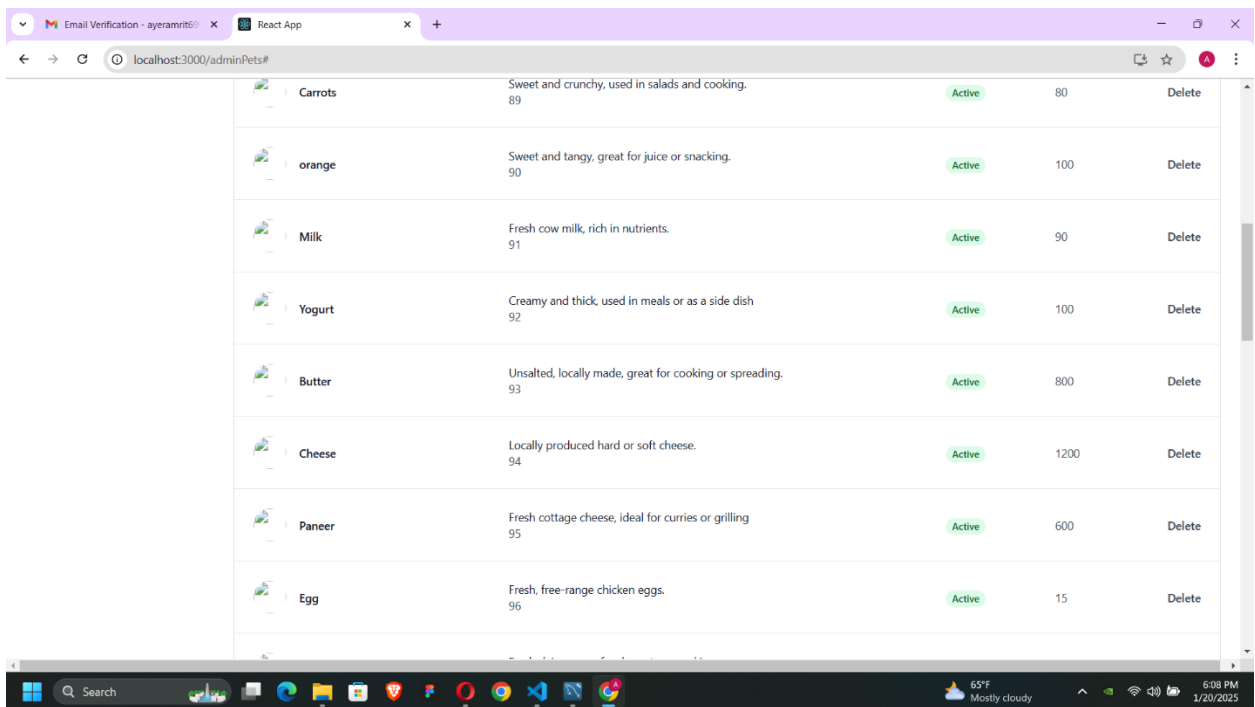
2. Laravel

   Used for Backend

3. React

   Used for frontend

Admin:

Image: Admin Panel Product View

Image: Admin Dashboard
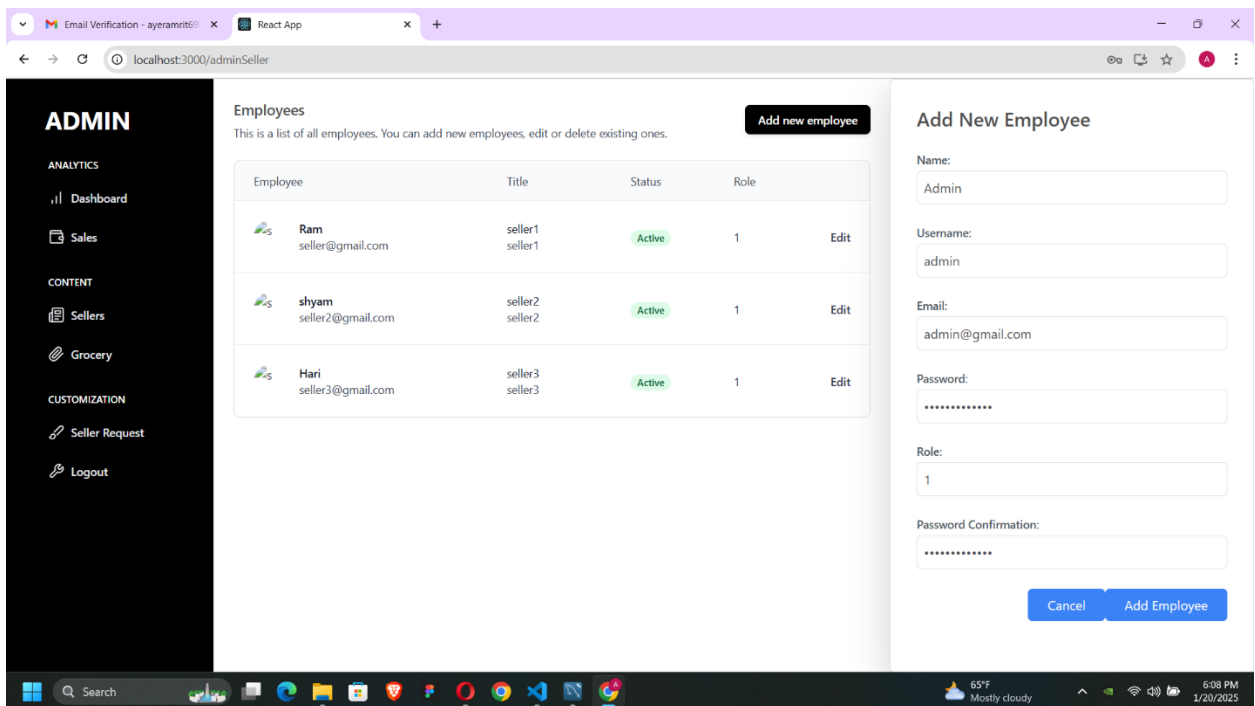
Image: seller management panel of Admin

ADMIN

ANALYTICS

Dashboard
Sales

CONTENT

Sellers
Grocery

CUSTOMIZATION

Seller Request
Logout

All Grocerys in sell
This is a list of all Grocery. You can, edit or delete existing ones.

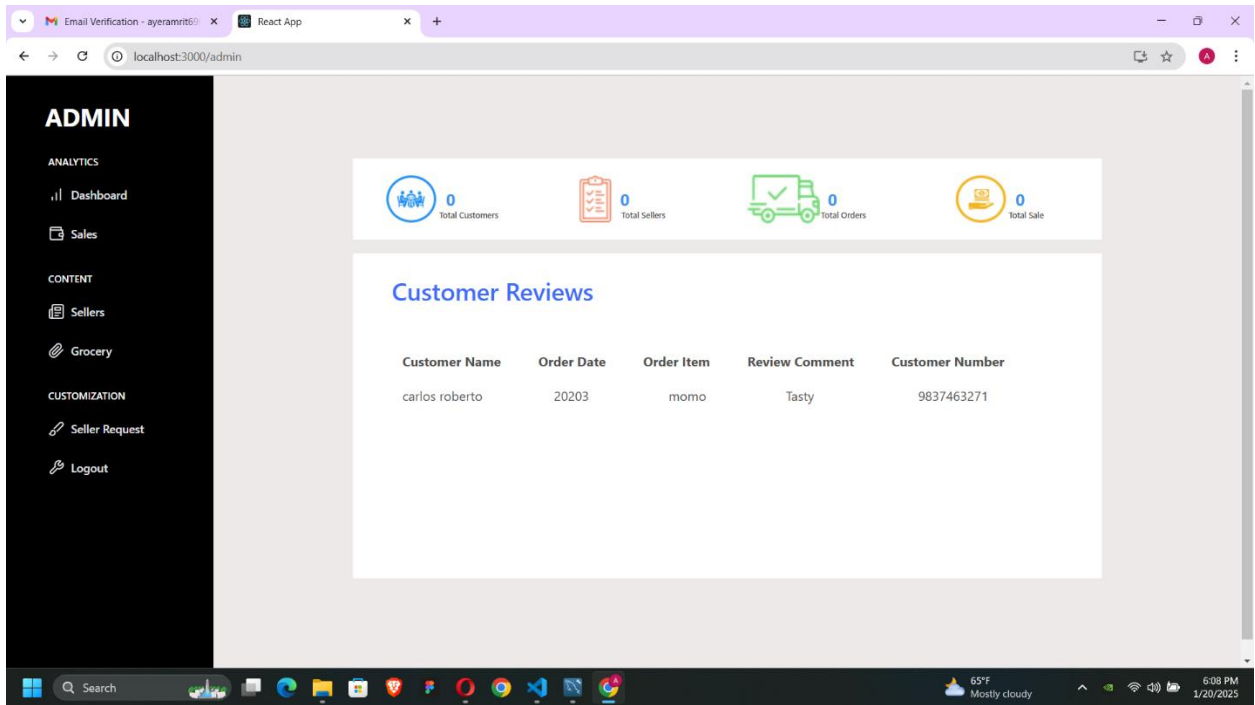| Name	Description	Category	Price	
Potatoes	Versatile root vegetable, used in a variety of dishes. 82	Active	40	Delete
Onion	Essential for curries, soups, and salads. 83	Active	60	Delete
Cabbage	Green leafy vegetable, great for stir-fries and soups. 84	Active	50	Delete
Cauliflower	Fresh florets, used in curries or fried snacks. 85	Active	70	Delete
Bananas	Sweet and ripe, ideal as a snack or in desserts. 86	Active	10	Delete
Apples	Crisp and juicy, sourced from local orchards. 87	Active	250	Delete

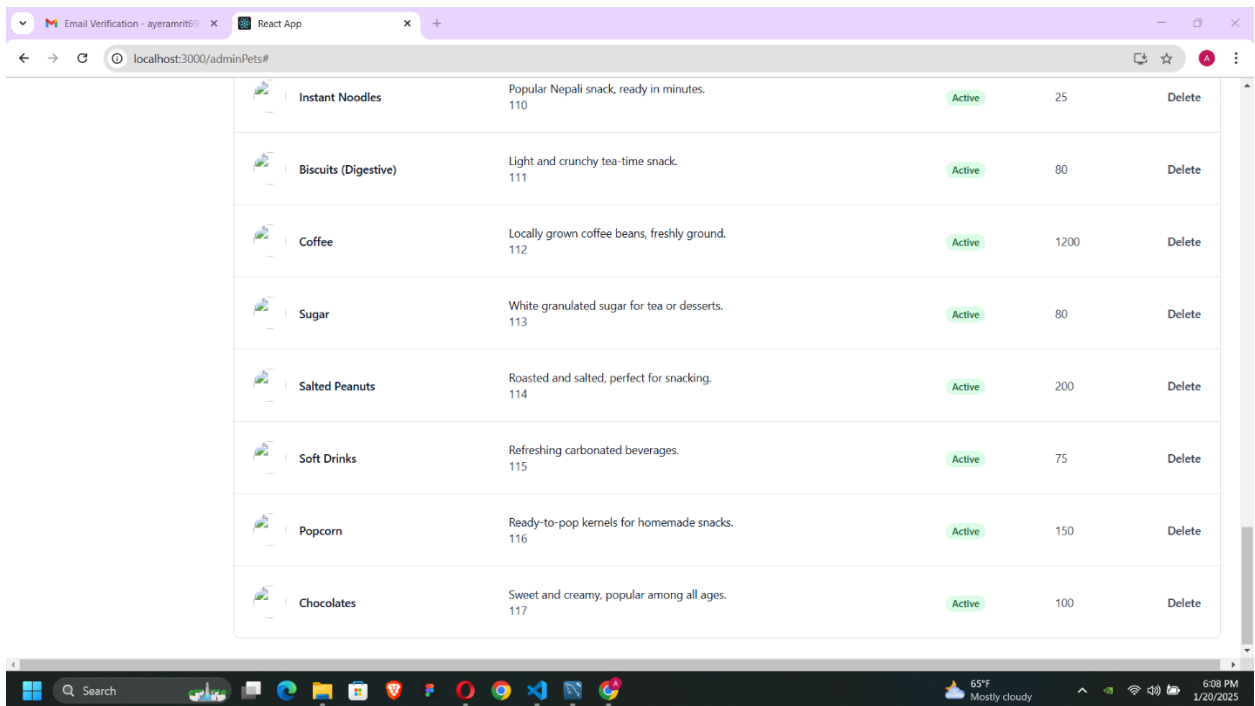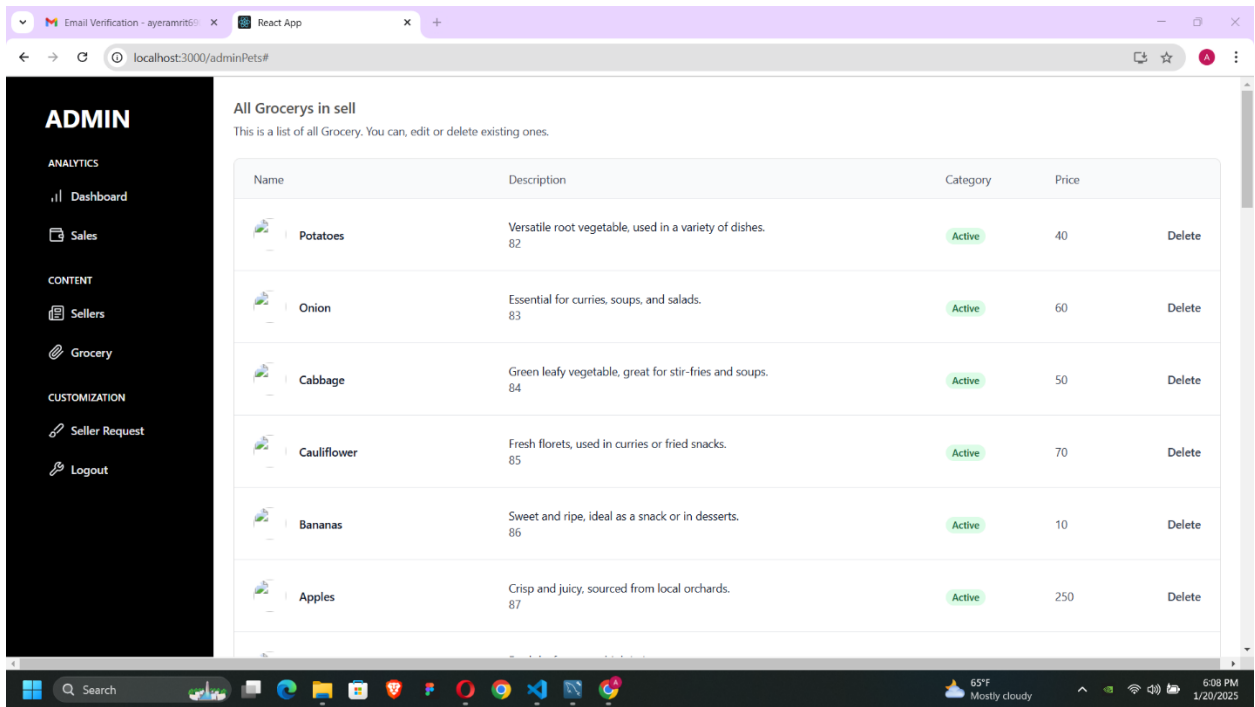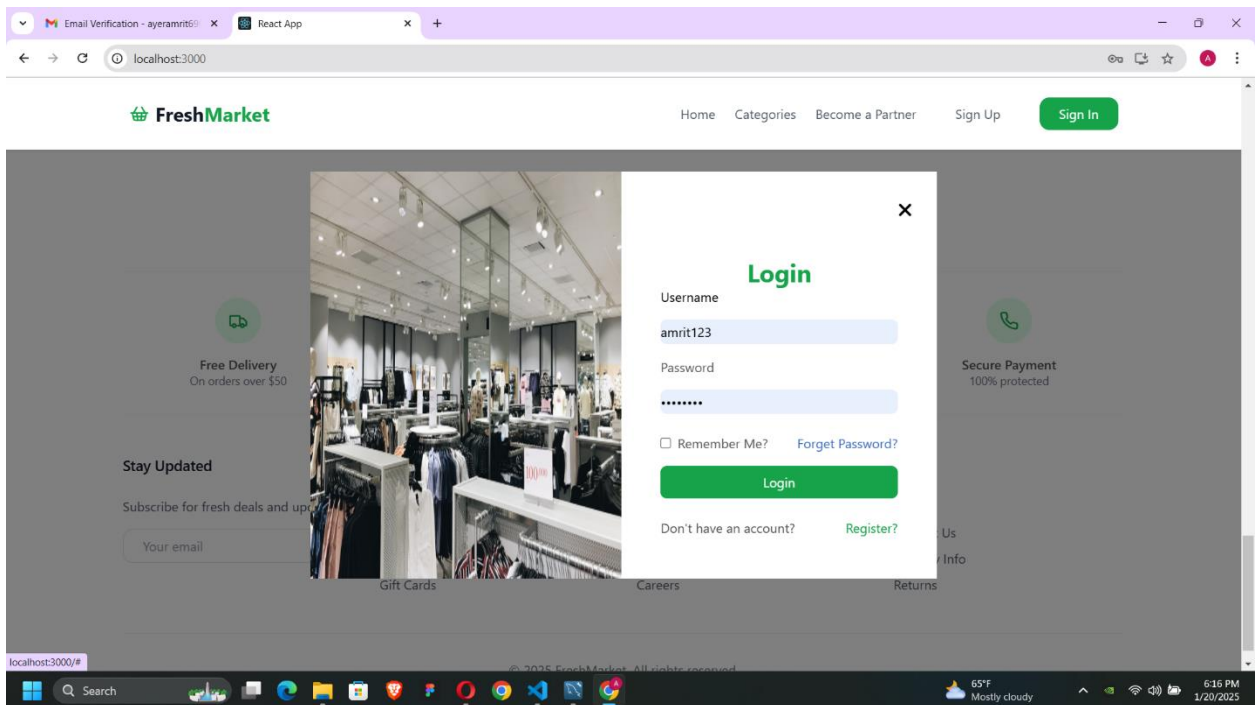| Name	Description	Category	Price	
Instant Noodles	Popular Nepali snack, ready in minutes. 110	Active	25	Delete
Biscuits (Digestive)	Light and crunchy tea-time snack. 111	Active	80	Delete
Coffee	Locally grown coffee beans, freshly ground. 112	Active	1200	Delete
Sugar	White granulated sugar for tea or desserts. 113	Active	80	Delete
Salted Peanuts	Roasted and salted, perfect for snacking. 114	Active	200	Delete
Soft Drinks	Refreshing carbonated beverages. 115	Active	75	Delete
Popcorn	Ready-to-pop kernels for homemade snacks. 116	Active	150	Delete
Chocolates	Sweet and creamy, popular among all ages. 117	Active	100	Delete

Image: Product Management portal for Admin
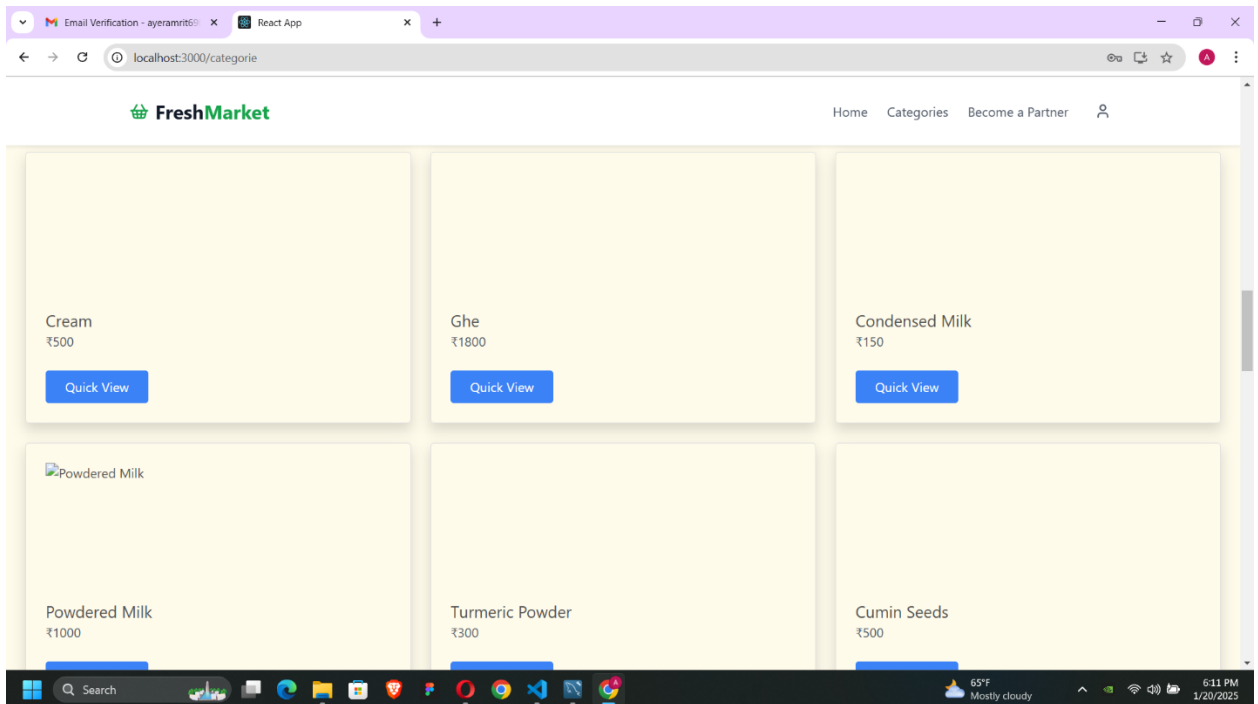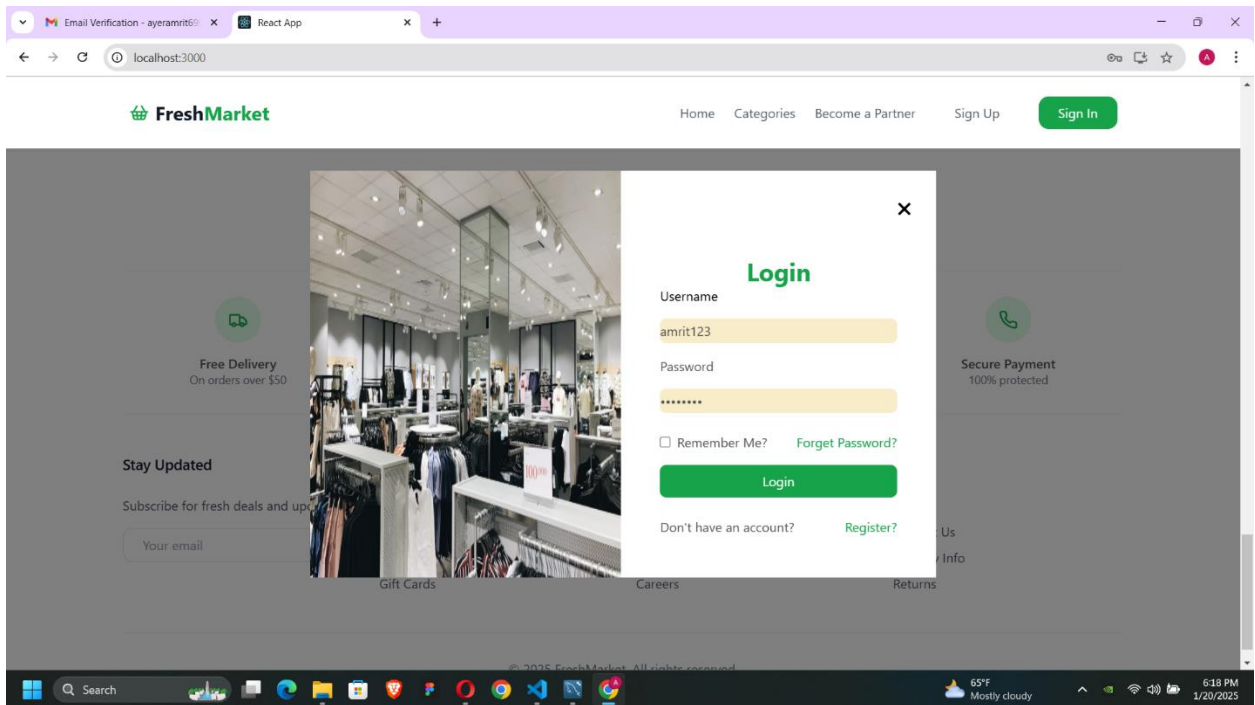
Image: Customer login panel

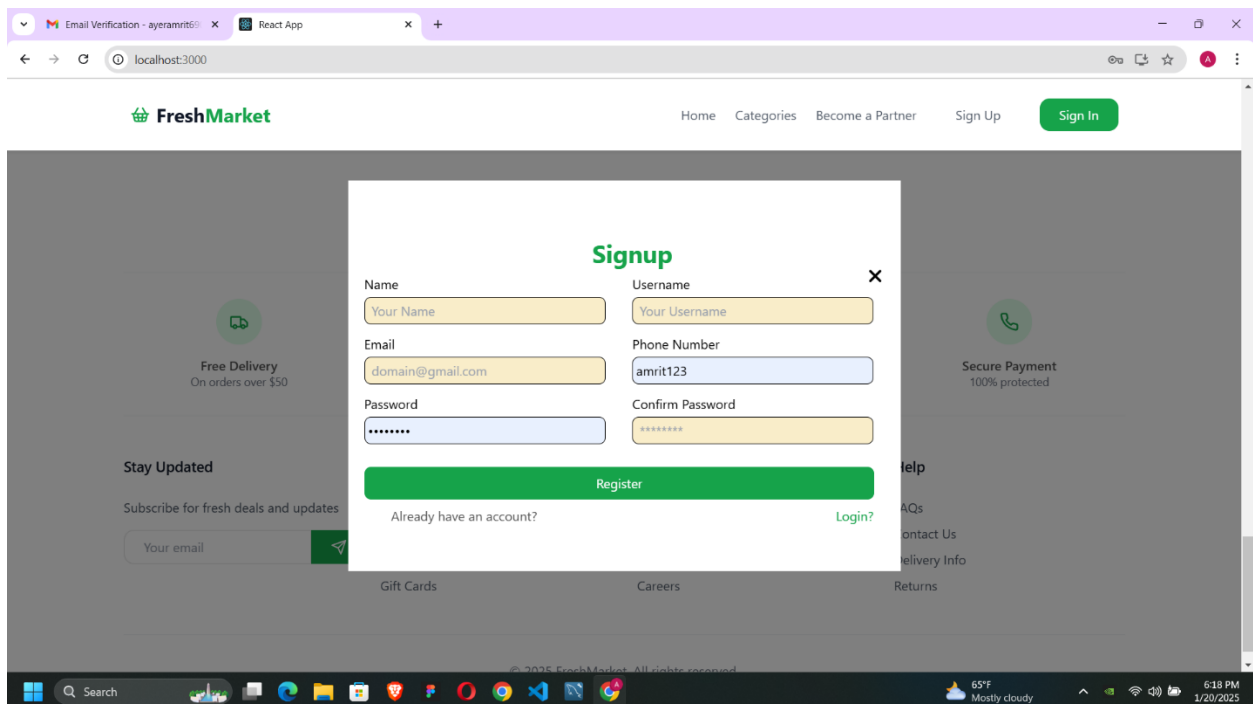Image: Customer category viewing panel

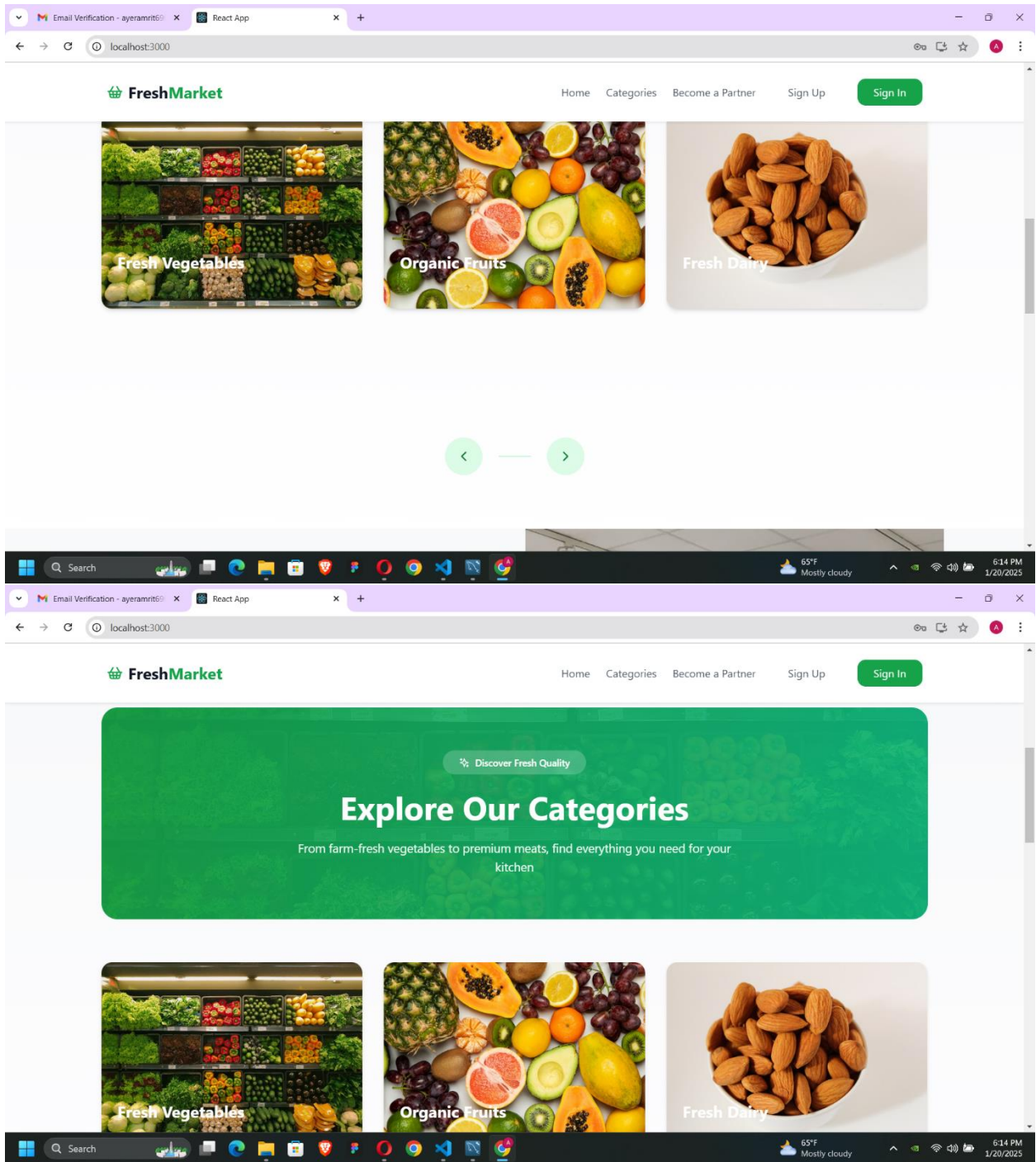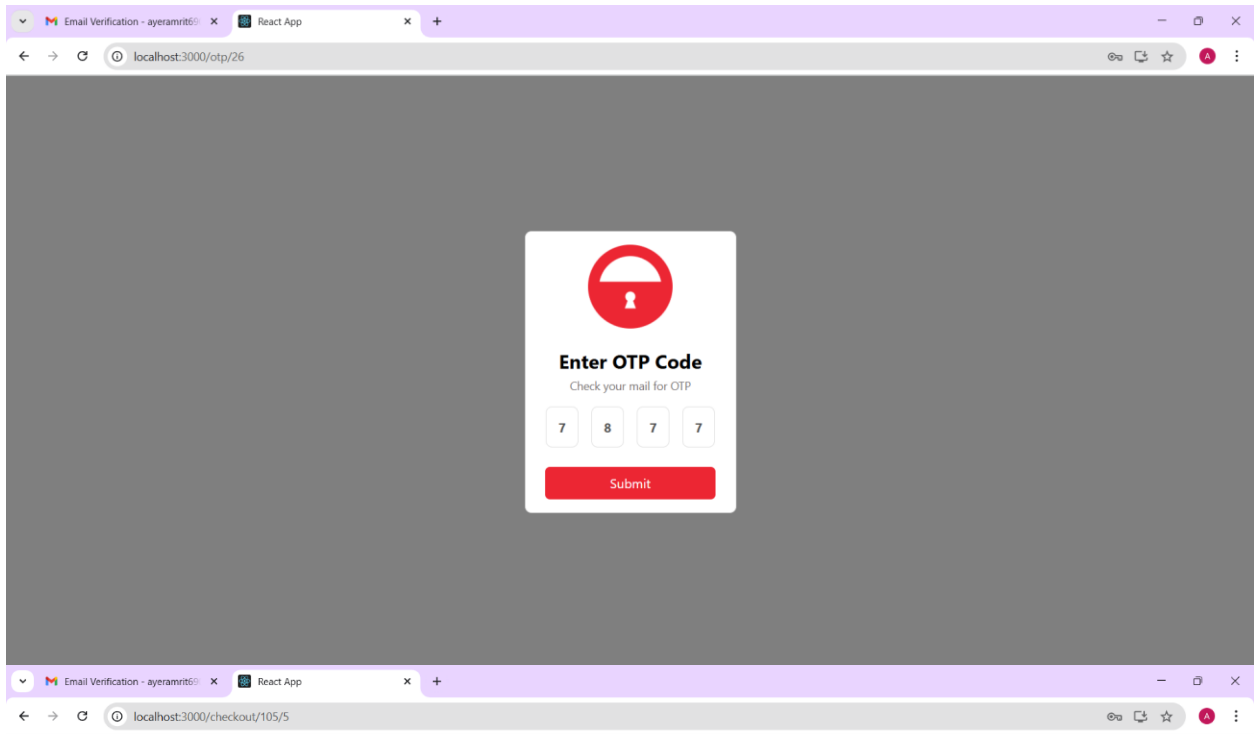Image: Sign in page

Image: Signup page

Image: Homepage

Image: Extra feature (Used SMTP for OTP generation)

Area for further Development:

1) I have wanted to integrate PayPal payment in my project.
2) Sorting and Searching and flittering

Due to the shortage of time to develop this project I couldn't add above listed features.

GitHub link: https://github.com/tbc-bsc-l6/component-2-dinesh69012

YouTube Link: https://www.youtube.com/watch?v=t9MOrAvL7QI&t=41s