SB Foods - Food Ordering App Documentation

1. Introduction

Project Title: SB Foods - Food Ordering App

Team ID: Team Members: - LTVIP2025TMID51307

Team Members :

- Eruvala Sri Vennela
- Gavireddy Dinesh Karthik
- G.A.V.Harish

2. Project Overview

Purpose: To develop an online food ordering system that allows users to register, browse food items, add them to a cart, and place orders. Restaurant owners can list and manage items, while admins can oversee all activities.

Key Features:

- User registration and login
- Browse and filter food products
- Add to cart and place orders
- Admin dashboard for managing users, products, and orders
- Restaurant dashboard to manage listings

3. Architecture

Frontend:

- Built using React.js
- UI developed with CSS and component-based architecture
- Axios for API communication

Backend:

- Node.js with Express.js for routing and logic.

- RESTful APIs for all major functionalities

Database:

- MongoDB with Mongoose for schema definitions.

4. Setup Instructions

Prerequisites:

- Node.js & npm
- MongoDB or MongoDB Atlas

Installation: - Clone repository and install dependencies with `npm install` in both frontend and backend folders. - Create a `.env` file in backend with MONGO_URI and PORT.

Run Servers:

- Frontend: `npm start` in frontend directory
- Backend: `npm start` in backend directory

5. Folder Structure

Frontend:

- src/components, src/pages, src/styles,src/context

Backend:

- index.js, Schema.js

6. Running the Application

- Frontend runs at http://localhost:3000
- Backend runs at http://localhost:6001

7. API Documentation

👥 User & Admin Management

POST /approve - user Approves a restaurant registration.
POST /reject - user Rejects a restaurant registration.
GET /fetch-user-details/:id - Fetch user information by ID.
GET /fetch-users - Fetches all users.

🍽️ Restaurants

GET /fetch-restaurants Returns all restaurants.

GET /fetch-restaurant/:id Returns restaurant by restaurant Id.

GET /fetch-restaurant-details/:id Returns restaurant by owner Id.

📦 Orders

GET /fetch-orders Returns all orders.

POST /place-cart-order Places orders from cart.

PUT /cancel-order Cancels an order.

PUT /update-order-status Updates the status of an order.

🛒 Cart

GET /fetch-cart Returns items in the cart.

POST /add-to-cart Adds an item to the cart.

PUT /remove-item Removes item from cart.

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8.Code Overview

Backend:

Express server handles routes

MongoDB for persistent data

Mongoose models for Users, Orders, Food Items, Restaurants, Admin

Frontend:

React pages for user flows

Axios connects frontend to backend

Reusable components and navigation

09. Testing

Postman used for API tests

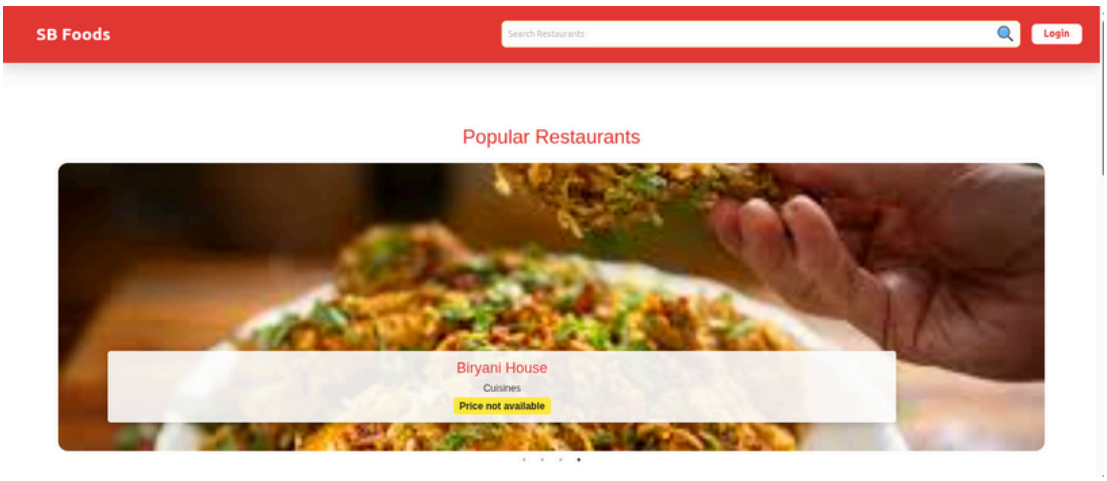
UI tested on Chrome and Firefox

Manual cart/order testing

10. Screenshots / Demo

Demo link : video demo link

GitHub link: Github link



11. Future Enhancements

- Payment gateway integration
- Real-time order updates (WebSocket)
- Improved admin analytics dashboard
- Mobile responsive UI
- Chat between users and restaurant

12. Conclusion

SB Foods is a complete food ordering web app that showcases strong backend architecture, a clean frontend UI, secure user management, and scalable design. It effectively supports users, restaurant owners, and admin roles through distinct flows.