

ABSTRACT

Topic : Food Delivery Service with Personalisation

Technologies Used: React and NodeJS

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Food Delivery Service with Personalisation

The “Food Delivery Service” is a comprehensive web application designed to facilitate seamless food ordering and delivery processes. The platform caters to three distinct user roles: Admin, Normal Users, and Restaurants (vendor).

Module wise Functions:

Admin User:

1. **User Management:** This function enables administrators to create new user accounts, update existing account information, and delete accounts when necessary. It helps control access to the platform and ensures the security of user data.
2. **Restaurant Verification:** Admins are responsible for reviewing and verifying the authenticity of restaurant details provided during registration. This process ensures that only genuine restaurants are listed on the platform, enhancing user trust.

Normal Users (Customers):

1. **Create Account:** For regular users looking to register their restaurants, this feature allows them to sign up by providing all necessary information about their establishment. This step is essential for gaining access to the platform’s services.
2. **Browse Restaurants:** Customers can use this feature to browse through a list of available restaurants. They can view restaurant profiles, explore menus, and make informed decisions about where to order their meals.
3. **Customization for Specific Items:** This function caters to customers who want to personalize certain menu items based on their preferences. It allows them to tailor dishes to their liking, ensuring a more satisfying dining experience.
4. **Place Orders:** Customers can select their desired menu items, add them to the virtual cart, and then proceed to place their orders. This intuitive process streamlines the ordering experience.
5. **Make Payments:** This feature enables customers to securely complete payments for their orders using various payment methods, providing convenience and flexibility.

Restaurants:

1. **Manage Menus:** Restaurants can utilize this function to take control of their menu offerings. They can add new dishes, update existing ones, and remove items that are no longer available, ensuring that the menu is up-to-date and accurate.
2. **Manage Availability:** With this feature, restaurants can set their operating hours and make necessary updates to their details. This helps customers know when the restaurant is open and allows the restaurant to provide accurate information.
3. **View Order History:** Restaurants can access their order history through this function. They can review past orders, customer preferences, and feedback to continually improve their services and offerings.

Front-End: React

Back-End : Node JS

Main Project Extension:

Admin User:

1. **Dashboard Analytics:** Gain comprehensive insights into user behaviour, order trends, and revenue patterns. Admins can use these analytics to make informed decisions and optimize platform performance.
2. **Customer Support Chat:** Implement a real-time chat system for seamless user assistance. This feature enables prompt resolution of user inquiries and concerns, enhancing overall user satisfaction.
3. **Advanced Reporting:** Generate detailed reports covering sales metrics, popular menu items, and more. These reports offer valuable data for strategic planning and informed decision-making.

Normal Users (Customers):

1. **Favourites & History:** Enable users to save preferred restaurants and access their order history effortlessly. This functionality simplifies reordering and provides a tailored experience.
2. **Scheduled Orders:** Allow users to schedule orders for future dates, ensuring timely delivery for planned meals.
3. **Loyalty Program:** Establish a loyalty program that rewards users with points or discounts for recurring orders. This incentivizes user engagement and strengthens brand loyalty.
4. **Filtering:** Implement advanced filters for refined restaurant and menu searches, catering to specific cuisines, dietary preferences, and more.

- **Calorie-Based Diet Subscription:**

1. **Weekly Diet Subscription:** Introduce a subscription-based system offering pre-planned dishes for users seeking calorie-based diet options. Users can subscribe to weekly meal plans that align with their dietary needs.
2. **Pre-Planned Dishes:** Provide a curated selection of dishes within the weekly subscription. These dishes are designed to meet specific calorie requirements while offering variety and nutrition.
3. **Booking Process:** Users can book the weekly calorie-based diet plan, ensuring they receive a balanced and calorie-conscious menu throughout the week.

Restaurants (Vendors):

1. **Specials & Offers:** Empower restaurants to showcase daily specials and limited-time offers, attracting customer attention and boosting sales.
2. **Order Preparations:** Define estimated preparation times for orders and keep customers informed about potential delays.
3. **Bulk Order Handling:** Optimize the handling of large orders and catering requests, ensuring efficient service and consistent quality.