
SUSHI GRR

[ACS/CBS] Master's Project

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Abstract:

SUSHI GRR is a Cloud Kitchen project built using modern web development technologies, including React Redux, Axios, Next.js, MongoDB, and REST API, that enables customers to order food online. Additionally, the project incorporates cookie authentication and an admin dashboard for managing orders, menu items, and users.

Customers can browse the kitchen's menu, select items, and add them to their cart. They can then proceed to checkout and pay using either PayPal or cash on delivery. In addition, the application allows customers to view and track the status of their current orders.

React Redux framework is used for state management, making handling complex data flows and managing UI updates easy. The use of Redux also ensures that the application is highly responsive and scalable, even as the data changes in real time. Axios fetches data from the MongoDB database, allowing the application to retrieve menu items and order status information quickly and efficiently.

The project also incorporates REST API for seamless front and back-end communication enabling the application to handle complex queries, fetch data from multiple sources, and manage user authentication and authorization. The use of cookie authentication for admin authentication, allowing them to securely log in and access the order history, order status, and other account details. The application also features an admin dashboard, allowing the kitchen staff to manage orders, menu items, and users. In addition, the dashboard provides an easy-to-use interface for adding new menu items and managing and tracking orders.

Overall, this cloud kitchen project provides a powerful and flexible React-based framework that allows customers to order food online conveniently and is an ideal choice for restaurants looking to offer flexible payment options and online ordering to their customers.