Purbanchal University

Gomendra Multiple College

<u>Faculty of Science And Technology</u>

IN PARTIAL FULFILLMENT OF THE
REQUIREMENT OF BCA 4th   SEMESTER

Foodiez (Online Food Ordering Platform)

SUBMITTED BY:

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ACKNOWLEDGEMENT

I am very glad to present our project on the topic "Foodiez". According to the course of BCA 4th semester determined by PU (Purbanchal University) for the fulfillment of the requirement for Bachelor of computer application. Therefore, as a project we have developed a web application.

I would like to extend my sincere thanks to GM College and principal of GM College **Dr.Rupak Khanal** for providing such an opportunity to accomplish the BCA 4th semester project and facilitating us with different requirements for the completion of the project. This sort of opportunity provides us the insight knowledge and experience about the practical aspect of the various stages and procedure of software development.

I would also like to be thankful to our supervisor, **Mr.Kushal Niroula** for his valuable time, guidance and encouragement throughout the project. Also, our sincere gratitude towards all the faculty member of department of computer application for their encouraging support and guidance.

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Introduction:

In the fast-paced world of today, convenience is everything. People live stressful lifestyles and busy schedules, so they are always on the go. They frequently lack the time and energy to prepare lavish meals as a result.

Foodiez serves customers and restaurants at different ends of the food range. Restaurants can offer menus and accept online orders can reach a bigger audience. This eliminates the need for manual order taking, increasing their consumer base while also optimizing their operations. Customers benefit from the convenience and comfort of ordering their favorite meals from the comfort of their own homes or businesses. Foodiez offers a diverse selection of restaurants, allowing customers to sample different cuisines and find new favorites.

Foodiez goes beyond simple online ordering. We understand the significance of cash-on-delivery (COD) as well as online payment systems in the market. Our platform has a secure COD system, providing a quick and reliable payment alternative for clients who prefer to pay when they receive their meal. This feature targets a wider demographic, allowing Foodiez to reach a larger audience.

Foodiez is more than just a food ordering app; it's also a community hub. We want to create a vibrant online platform where restaurants can promote their culinary inventions and customers may try new flavors and eating experiences. By streamlining the meal order process and providing a trusted COD system, Foodiez aspires to revolutionize the online food ordering landscape in Nepal.

Problem statement:

For Customers:

In today's busy world, customers often face numerous challenges when ordering food from restaurants:

➔ **Inconvenience**: Traditional methods of ordering food, such as phone calls or in-person visits, can be inconvenient and time-consuming, especially during peak hours or when faced with busy phone lines.

➔ **Limited Visibility:** Customers may struggle to explore menu options and make informed decisions due to limited visibility into restaurant menus, specials, and promotions.

➔ **Miscommunications:** Orders placed over the phone or in-person are prone to miscommunications, leading to errors in orders, incorrect items, or missed special requests.

➔ **Payment Options:** Limited payment options, especially for online payments, may deter customers who prefer cash-on-delivery or other alternative payment methods.

For Restaurants:

Similarly, restaurants also encounter challenges when managing orders and serving customers:

➔ **Order Management:** Restaurants may struggle to manage orders efficiently, especially during peak hours, leading to delays, order mix-ups, and overwhelmed staff.

➔ **Communication:** Lack of effective communication channels between restaurants and customers can result in misunderstandings, order inaccuracies, and customer dissatisfaction.

➔ **Revenue Growth:** Restaurants may face difficulty in reaching and attracting new customers, limiting their revenue potential and growth opportunities.

➔ **Payment Processing:** Managing payments, including cash-on-delivery, credit/debit cards, and digital wallets, can be complex and cumbersome, requiring additional resources and infrastructure.

➔ **Feedback and Reviews:** Gathering and managing feedback and reviews from customers across multiple platforms can be time-consuming and overwhelming, making it difficult for restaurants to maintain a positive online reputation and address customer concerns effectively.

Features

For Customers:

➔ **User Registration and Profiles:** Customers can create accounts and manage their profiles, including saving favorite restaurants, delivery addresses, and payment preferences.

➔ **Restaurant Discovery:** A search and filtering system allows customers to discover restaurants based on cuisine, location, ratings, and special offers.

➔ **Menu Browsing and Ordering:** Intuitive interfaces enable customers to browse restaurant menus, select items, customize orders, and place orders seamlessly.

➔ **Multiple Payment Options:** Support for various payment methods, including cash-on-delivery, and digital wallets, ensures convenience and flexibility for customers.

➔ **Reviews and Ratings:** Customers can leave reviews and ratings for restaurants and individual menu items, helping others make informed decisions and providing valuable feedback to restaurants.

➔ **Order History and Reordering:** A history of past orders allows customers to view details of previous orders and easily reorder their favorite items with a single click.

For Restaurants:

➔ **Registration and Profile Management:** Restaurants can register on the platform and create/manage their profiles, including uploading photos, adding descriptions, and setting business hours.

➔ **Menu Management:** Tools for restaurants to easily add, edit, and remove menu items, set prices, add descriptions, and categorize items to keep their menus up-to-date and attractive to customers.

➔ **Order Management:** A dashboard allows restaurants to view and manage incoming orders in real-time, including accepting/rejecting orders, updating order status, and communicating with customers.

- ➔ **Communication Tools:** Restaurants can communicate with customers via messaging or notifications to clarify order details, provide updates on order status, and address any concerns or inquiries.
- ➔ **Promotions and Discounts:** Tools for creating and managing promotions or discounts help restaurants attract more customers and drive sales, improving visibility and revenue potential.
- ➔ **Delivery Management:** Features for managing delivery logistics, including routing, driver assignments, and delivery times, streamline the delivery process and ensure timely and efficient service.
- ➔ **Feedback Management:** Tools for gathering and managing feedback and reviews from customers across multiple platforms help restaurants maintain a positive online reputation and address customer concerns effectively.

Tech Stack

Frontend:

- ➔ React.js

Backend:

- ➔ Java Spring Boot

Database:

- ➔ PostgreSQL

Additional Tools:

- ➔ Tailwind CSS
- ➔ React Router

Development Environment:

- ➔ IDE: IntelliJ IDEA (Java), Visual Studio Code & WebStorm (React.js)
- ➔ Version Control: Git
- ➔ Package Management: npm (Node Package Manager), Maven

Team Members

1. **Kamal Thapaliya**
2. **Saugat Baral**
3. **Prakriti Rai**

Conclusion

In summary, our project to develop an online food ordering platform using React.js for the frontend, Java Spring Boot for the backend, and PostgreSQL for the database aims to make ordering food easier for customers and food establishments alike. By creating intuitive interfaces and streamlining order management, we're dedicated to providing a convenient and enjoyable experience for users. With our platform, we're excited to contribute to the future of online food ordering, making it simple and efficient for everyone involved.