

BOW VALLEY COLLEGE

SODV 3203 -Mobile Application Development

PROJECT PROPOSAL

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Project Title: FoodieFiesta (Food Ordering App)

Project Description: In this project, we will create a food ordering app. The app will allow users to search for food in different categories, add selected food to their cart, and place an order. The app will also have a profile page and settings.

Technical Requirements:

- Android Studio
- Java programming language

Project Features

- User registration and login
- Search for restaurants and food by name or category.
- View restaurant information, menu, and prices
- Add food items to the cart and customize the order (e.g. add extra toppings or condiments)
- Checkout and payment processing
- Real-time order tracking
- Notifications for order status updates

API

We will use the Spoonacular API to fetch data about food items and recipes. This API provides access to a large database of food and recipe information, including nutritional information, ingredients, and images.

Project Structure

1.Home Screen

- Profile picture, username, and search bar for food.
- Display popular food categories.
- Show recommended dishes based on user's past orders.

2. Menu

- Home button to return to the home screen.
- Profile button to view and edit user's profile.

- Settings button to adjust app preferences.
- Add button to add food to the cart.
- Floating button to view the contents of the cart.

3. Food Details Screen

- Image and name of the food
- Description, price, and nutritional information
- Option to adjust the quantity.
- Add to cart button.

4. Cart Screen

- List of selected foods with the total amount, tax, and delivery costs
- Option to adjust the quantity or remove items from the cart.
- Place Order button.

Project Deliverables

- A fully functional Foodie App for Android devices
- A user-friendly and visually appealing design
- A well-structured and modular codebase
- Comprehensive documentation of the app's architecture and functionality

Project Milestones:

- Completion of user registration and login functionality
- Completion of search and restaurant listing functionality
- Completion of food menu and ordering functionality
- Completion of payment processing and order tracking functionality
- Completion of notifications and user feedback functionality

Conclusion: The Foodie App is an exciting project that will provide users with a convenient and enjoyable way to order food from their favorite restaurants. The app's features will be tailored to meet the needs and preferences of the target audience, and the app's design and functionality will be optimized for Android devices. The project's success will be ensured through rigorous testing, debugging, and deployment processes.

WIREFRAMES

The wireframes for the food ordering app consist of several pages, each serving a specific purpose in the user journey. The pages include:

