BITE BUDDY

Food App

AUGUST 7, 2024

MUHAMMAD AHMAD

Bytewise Ltd.

Table of Contents

Abstract

BiteBuddy is a comprehensive food delivery app designed to simplify the way users order food, manage their purchases, and connect with local food providers. It offers a seamless experience with real-time tracking, secure payment options, and a user-friendly interface.

Introduction

With the rapid growth of online food delivery services, the demand for efficient, reliable, and user-centric platforms has never been higher. BiteBuddy aims to address this need by providing a robust and intuitive app that caters to both customers and food providers. This proposal outlines the key aspects of the app, from the problem it solves to the technical requirements and project management details.

Problem Statement

The current market for food delivery apps is crowded, but many existing platforms fall short in areas such as user experience, real-time tracking, and seamless payment integration. Customers often face issues with delayed deliveries, lack of communication, and limited options. Providers struggle with managing orders efficiently and ensuring customer satisfaction.

Proposed Solution

BiteBuddy seeks to bridge these gaps by offering a user-centric platform that prioritizes real-time tracking, easy product management for providers, and a secure, integrated payment system. The app will also feature a dual interface, catering to both customers and providers, ensuring that each user group has the tools they need to interact efficiently.

Application Features

BiteBuddy has the following application features:

1. **User:**
   - **Login Page**: Secure login with options for social media integration.
   - **Home Screen:** User-friendly dashboard displaying popular items, ongoing promotions, and personalized recommendations.
   - **Manage Products:** Allows users to browse, add, or remove items from their cart.
   - **Profile**: Users can manage their personal information, addresses, and payment methods.
   - **Firebase and FireAuth:** Secure user authentication and data management.
   - **Search Item:** Advanced search functionality with filters for cuisine, price, and ratings.
   - **Review Cart:** Users can review and modify their cart before placing an order.
   - **Add Stripe Payment Method:** Securely add and manage payment methods.

- **Wishlist:** Save favorite items for future orders.

2. **Admin:**
   - **Make Product Unit:** Manage product details, pricing, and availability.

Technical Overview

The app will be developed using Flutter for cross-platform compatibility. Firebase will be used for backend services, including FireAuth for authentication, Firestore for database management, and Firebase Cloud Messaging for real-time notifications.

Functional Requirements

1) **User:** Login, Home Screen, Manage Products, Profile Management, Firebase and FireAuth Integration, Search, Cart Review, Add Stripe Payment Method, Wishlist.
2) **Admin:** Product Management.

Target Audience

BiteBuddy targets a broad demographic, including:

- Urban professionals seeking quick and reliable food delivery.
- Busy families looking for convenient meal options.
- Food enthusiasts exploring new cuisines and local eateries.

Impact

BiteBuddy will streamline the food delivery process, providing a more reliable and enjoyable experience for users while empowering providers to manage their offerings efficiently. The app aims to increase customer satisfaction, reduce delivery times, and foster stronger relationships between users and local businesses.

Project Management

The development of BiteBuddy will follow Waterfall methodology.

MileStones

- **Week 1:** Finalizing Requirements and Initial Designing
  Completing the requirement gathering and initial design phase, including finalizing UI/UX elements.
- **Week 2-4:** Development of App and Testing
  Completing the development of the app, followed by a rigorous testing process to ensure all features are working as intended.

- **Week 5:** Debugging Errors and Deploying
Addressing any final issues, ensuring the app is optimized, and deploying it for public use.

Budget Estimate

The estimated budget for the development of BiteBuddy includes:

- Development: $50,00
- Design: $10,00
- Testing and QA: $15,00
- Marketing and Launch: $20,00
- Maintenance and Updates: $10,00 per year

Conclusion

BiteBuddy represents a significant opportunity to enter and disrupt the food delivery market with a user-focused, feature-rich app. By addressing current pain points and providing innovative solutions, BiteBuddy has the potential to become a go-to platform for food lovers and providers alike.