



Graduation project

“Food Ninja”

Team Work

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1. Introduction

The Healthy Food Delivery App is designed to provide users with quick and convenient access to nutritious meals, particularly healthy versions of popular fast food items such as pizza and burgers. This application aims to combine the enjoyment of fast food with the benefits of healthy eating, making it easier for users to maintain a balanced diet without sacrificing taste.

2. System Requirements

2.1 Functional Requirements:

- **User Account Management:** Users should be able to create, login, and manage their accounts.
- **Menu Browsing:** Users should be able to browse a list of available meals, including descriptions and images.
- **Customizable Orders:** Users should be able to customize their meals (e.g., selecting toppings and ingredients).
- **Order Placement:** Users should be able to place an order by adding items to the cart and completing the checkout process.
- **Search Functionality:** Users should be able to search for specific meals or ingredients.
- **Popular Menu:** Users should be able to view popular meals that other users favor.
- **Restaurant Ratings:** Users should be able to rate and review restaurants based on their experiences.

2.2 Non-Functional Requirements:

- **Performance:** The app should load within 3 seconds and handle up to 1000 concurrent users without significant lag.
- **Usability:** The user interface should be intuitive, allowing users to navigate the app easily.
- **Security:** User data, including payment information, should be encrypted and stored securely to protect against breaches.
- **Compatibility:** The app should be compatible with Android devices running version 5.0 (Lollipop) or higher.
- **Reliability:** The app should be available 99.9% of the time, with minimal downtime for maintenance.
- **Scalability:** The app should be able to scale to accommodate an increasing number of users and data without performance degradation.

3. User Requirements

The following user requirements have been identified to enhance the user experience and meet the needs of the target audience:

- **Account Creation:** Users should be able to create a personal account using their email address and password.
- **User Profile Management:** Users should have the ability to update their profile information, including delivery addresses and payment methods.
- **Meal Preferences:** Users should be able to specify dietary restrictions or preferences (e.g., vegetarian, gluten-free) to receive personalized meal recommendations.
- **Order History:** Users should be able to view their past orders for easy reordering.
- **Notifications:** Users should receive notifications about order status, promotions, and new meal options.
- **Feedback Mechanism:** Users should be able to provide feedback or report issues related to their orders or the app's performance.
- **Support Access:** Users should have easy access to customer support through various channels (e.g., chat, email).

4. Installation Guide

1. **Download the App:** Visit the Google Play Store and search for "Healthy Food Delivery App."
2. **Install:** Tap the "Install" button and wait for the download to complete.
3. **Open the App:** Once installed, open the app by tapping the icon on your home screen.

5. Getting Started

Upon opening the app, users will be prompted to create an account or log in if they already have one. New users can sign up by providing their email address and creating a password. After logging in, users can browse the menu and start ordering their favorite healthy meals.

6. Features Overview

- **Menu Selection:** Browse a variety of healthy meals, including pizzas, burgers, salads, and smoothies.
- **Customizable Orders:** Customize meals according to personal preferences (e.g., toppings, ingredients).
- **Fast Delivery:** Enjoy quick delivery services, ensuring meals arrive fresh and on time.
- **Nutritional Information:** View detailed nutritional information for each meal to make informed choices.
- **Search Functionality:** Easily find specific meals or ingredients using the search feature.
- **Popular Menu:** Explore trending meals that other users favor.
- **Restaurant Rating:** Rate and review restaurants based on your experience.

7. User Interface Guide

The app features a user-friendly interface designed for easy navigation:

- **Home Screen:** Displays featured meals and categories.
- **Menu Page:** Lists all available meals with images and prices.
- **Cart:** Allows users to view and edit selected items before checkout.
- **Profile Section:** Manage account settings, order history, and preferences.

8. How to Perform Tasks

Task 1: Placing an Order

1. Navigate to the Menu Page.
2. Select the desired meal and customize it.
3. Click “Add to Cart.”
4. Go to the Cart and click “Checkout.”
5. Enter delivery information and payment details, then confirm the order.

Task 2: Searching for Meals

6. On the Home Screen, locate the search bar at the top.
7. Enter keywords related to the meal or ingredient you’re looking for.
8. Browse through the search results to find the desired meal.

Task 3: Viewing Popular Menu Items

9. Go to the Home Screen.
10. Scroll down to the “Popular Menu” section.
11. Tap on any of the popular meals to view details and place an order.

9. Troubleshooting

- **Issue: App Crashes on Opening**
 - Solution: Ensure your device meets the system requirements and try reinstalling the app.
- **Issue: Unable to Place an Order**
 - Solution: Check your internet connection and ensure that all fields are filled correctly during checkout.

10. FAQ

- **Q: What types of meals are available?**

A: The app offers a variety of healthy meals, including pizzas, burgers, salads, and smoothies.

- **Q: Can I customize my meal?**

A: Yes, you can customize your meals by selecting ingredients and toppings according to your preference.

- **Q: How do I contact support?**

A: Please refer to the "Contact Support" section below for assistance.

11. Contact Support

For further assistance, please contact our support team:

- **Email:** eng.mohannadelsayeh@gmail.com
- **Phone:** 01009621572