Food Ordering System Documentation

1. Introduction

The Food Ordering System is a C++ application designed to streamline the food ordering process, offering separate modules for customers and administrators. The system ensures a user-friendly experience, secure transactions, and efficient management of food items and orders.

2. System Flow

The system follows a structured flow, as illustrated in the flowchart:

Start: The system begins with a welcome screen.

Main Menu: Users are given three choices:

Customer Access: Allows customers to browse the menu, place orders, and make payments.

Admin Login: Grants admins access to manage food items, view payments, and oversee system operations.

Exit: Ends the system session.

A diagram of a flowchart

AI-generated content may be incorrect.

3. Customer Module

Food List: Displays available food items.

Order Menu: Customers select and place orders.

Payment:

Cash Payment

Card Payment

Looping Choice: Customers can return to the main menu or exit.

4. Admin Module

Admin Login: Secure login for authorized personnel.

Administrative Functions:

View Total Cash

View Card Payments

Add Food Items

View Food List

Backup System

Order Preview

Looping Choice: Admins can navigate back to the main menu or log out.

5. Technical Implementation

Programming Language: C++

Data Management:

Orders stored dynamically using linked lists.

Real-time modifications of menu items.

Security Features:

Secure authentication for admins.

Access control to prevent unauthorized modifications.

6. Payment System

Secure Transaction Processing

Multiple Payment Methods:

Cash

Card Payment

Ensuring Reliability and Trustworthiness

7. Conclusion

This system optimizes food ordering operations, improving efficiency and user experience. Future enhancements will focus on further streamlining operations and increasing customer satisfaction.