Project Report

Food Order System

Introduction

The Food Order System is designed to streamline the ordering process and improve the efficiency of both customers and restaurant staff. The system includes features for customers to place orders, manage their orders, and for restaurant management to view and process orders.

Objectives

- To provide customers with a convenient way to place and manage their food orders.

- To assist restaurant management in efficiently handling and delivering customer orders.

- To maintain a menu that can be updated by the management.

Scope

The scope of the project includes the development of a console-based application that simulates the ordering process for customers and the management of orders for the restaurant staff. The system also incorporates a menu management feature for the restaurant.

Methodology

The project is implemented using the C programming language. It utilizes data structures such as linked lists for managing customer orders and a queue for processing orders by the restaurant management. The menu is implemented using a linked list structure.

System Architecture

The system comprises two main components: customer interface and management interface. The customer interface allows customers to place, modify, and view their orders. The management interface enables restaurant staff to process orders and manage the menu.

Implementation

1. Customer Interface

- Customers can add items to their order.

- Customers can remove items from their order.

- Customers can view their current order.

2. Management Interface

- Restaurant staff can view all customer orders.
- Restaurant staff can process and deliver orders.
- Management can edit the menu by adding, modifying, or removing items.

Results

The system successfully allows customers to place and manage their orders. The management interface enables staff to efficiently process and deliver orders. The menu management feature allows for easy updates.

Conclusion

The Food Order System provides an effective solution for managing customer orders and menu items. The use of data structures enhances the efficiency of order processing.