KASI DINER Ordering system

1. Introduction

In response to the challenges faced by patrons in our township restaurants due to long queues and extended waiting times, we propose the implementation of a Online Ordering System. This system aims to provide a convenient and efficient platform for customers to place orders online and streamline the order processing workflow for restaurant administrators.

2. System Overview

KasiDiner will comprise two main user roles: customers and administrators. Customers can browse restaurant menus, customize their orders, and place them through the online platform. Administrators will manage and process these orders.

3. How to Implement

3.1 Technology Stack

The system will be implemented using a web-based framework, incorporating technologies such as HTML, CSS, JavaScript for the front-end, and PHP for the back-end. A MySQL database will be used for data storage.

3.2 System Architecture

The architecture will follow a client-server model. The client-side, accessible by customers, will be a user-friendly web interface. The server-side will handle order processing, user authentication, and database interactions.

4. How the Features Work

4.1 Order Placement

Customers can access the online menu, select items, and customize orders. The system will provide real-time updates on their order, the order will get submitted to the administrator for processing. Customers can contribute to the system by providing reviews and ratings for restaurants and specific dishes, enhancing the overall user experience.

4.3 User Accounts

Customers and administrators will have individual accounts for secure logins. Account information will be stored securely, and password hashing will be implemented for enhanced security.

5. Security

5.1 User Authentication

Secure login mechanisms will be implemented to ensure that only authorized users can access the system.

5.2 Data Encryption

Sensitive data, especially during transactions, will be encrypted using industry-standard protocols to safeguard user information.

5.3 Authorization

Role-based access controls will be enforced to ensure that users have appropriate permissions within the system.

6. User Contribution

Customers can contribute to the system by providing reviews and ratings for restaurants and specific dishes, enhancing the overall user experience.

7. Report and Representation

Administrators will have access to reporting features, allowing them to analyze order trends, track popular dishes, and make informed business decisions on what to improve.