Online Food Order and Delivery System - Requirement Analysis

1.0 System Introduction

1.0 System Introduction

The Online Food Order and Delivery System is a web-based platform designed to simplify and streamline the process of ordering food from various restaurants. Customers can browse menus, place orders, make payments, and track their deliveries in real-time. Restaurants can manage menus, process orders, and interact with delivery personnel. Delivery personnel handle assigned orders and update the status of each delivery. Administrators supervise the platform's users, restaurants, and system activities, while the integrated payment gateway ensures secure transactions.

1.1 Functional Requirements

1.1 Functional Requirements

- User Registration & Login: Users can create accounts and authenticate securely.
- Menu Management: Restaurants can add/edit/delete food items.
- Order Placement: Customers can browse menus and place food orders.
- Payment Processing: Customers can pay for their orders securely.
- Delivery Assignment: Delivery personnel receive and manage delivery tasks.
- Rating & Reviews: Customers can provide feedback on food and delivery.
- Admin Control: Admins manage users, approve restaurants, and generate reports.

1.2 Non-Functional Requirements

1.2 Non-Functional Requirements

- Performance: The system must execute tasks like searching and ordering swiftly.
- Reliability: Ensures consistent functionality even under high traffic.
- Usability: The interface must be intuitive and accessible to all users.

Online Food Order and Delivery System - Requirement Analysis

- Security: Implements secure authentication, encrypted transactions, and role-based access.

- Scalability: Capable of handling increased user load and data over time.

- Maintainability: Built with modular code for easy updates and debugging.

- Availability: Designed for high uptime with minimal service interruptions.