

Software Requirements Specification (SRS) Document

Food Delivery Platform - Domino's

1. Introduction

1.1 Purpose

The purpose of this document is to outline the software requirements for the development of a food delivery platform tailored for Domino's Pizza.

1.2 Scope

The system will be designed to facilitate online ordering, payment processing, and efficient delivery management for Domino's Pizza.

2. System Overview

2.1 Description

The food delivery platform will enable users to browse the menu, place orders, make payments, and track the delivery status of their Domino's Pizza orders.

2.2 Users

- Customers
- Domino's Staff (Admins)
- Delivery Personnel

3. Functional Requirements

3.1 User Registration

1. Users should be able to create accounts with unique usernames and passwords.
2. The system should validate and store user information securely.

3.2 Menu Browsing

1. Users should be able to view the Domino's menu with detailed item descriptions.
2. Menu items should be categorized for easy navigation.

3.3 Order Placement

1. Users should be able to add items to their cart.
2. Users should be able to customize their orders (e.g., toppings, crust preferences).
3. The system should calculate the total cost of the order.

3.4 Payment Processing

1. Users should be able to select payment methods (credit card, digital wallets, etc.).
2. The system should securely process payments and provide confirmation to the user.

3.5 Order Tracking

1. Users should be able to track the status of their orders in real-time.
2. Domino's staff should be able to update the order status (preparing, out for delivery, delivered).

3.6 Admin Management

1. Admins should be able to add, modify, or remove menu items.
2. Admins should have access to order history and customer information.

3.7 Delivery Management

1. Delivery personnel should receive order details and navigation assistance.
2. Delivery status updates should be synchronized with the user interface.

4. Non-functional Requirements

4.1 Performance

1. The system should handle a minimum of 1000 concurrent users.
2. Response time for order placement and tracking should be within 3 seconds.

4.2 Security

1. User data and payment information should be encrypted.

2. The system should implement user authentication and authorization mechanisms.

4.3 Reliability

1. The system should have a backup mechanism for order data.
2. The platform should be available 99.9% of the time.

5. Constraints

1. The system should comply with data protection regulations (e.g., GDPR).
2. Compatibility with major web browsers and mobile devices is required.

6. Assumptions and Dependencies

1. Users have access to a stable internet connection.
2. Payment gateway integration depends on third-party services.

7. Glossary

- **Admins:** Domino's staff responsible for managing the platform.
- **Delivery Personnel:** Individuals responsible for delivering orders.
- **Users:** Customers using the food delivery platform.

8. Appendix

Include any additional information, diagrams, or mockups that support the requirements outlined in this document.

This SRS document serves as a foundation for the development of the Domino's food delivery platform. It should be regularly updated to reflect any changes in requirements or additional features