**Software Requirements Specification (SRS) for a Restaurant Website for a Newly opened restaurant**

1. Introduction

1.1 Purpose

This document is to provide specifications for the restaurant website, outlining the intended features, requirements and functionalities.

1.2 Scope

This website will serve as an online platform of the restaurant, for customers to view the menu and pick a meal from within 3 meal categories, make reservations, order food online, and get information about the restaurant and also it will enable the owners to carry out a menu management and receive reservation notifications.

1.3 Abbreviations

- SRS: Software Requirements Specification

- FR: Functional Requirements

- NFR: Non-Functional Requirements

- IR: Interface Requirements

2. Overall Description

2.1 Product Perspective

The restaurant website will be a standalone application, built only with HTML and CSS but may integrate with third-party services for the validation of orders and reservation management which will be done with JavaScript.

2.2 Product Functions

- Display menu in 3 categories; appetizers, entrees, and desserts. Of which each item should have a price and its description.

- Enable user-account creation

- Enable online reservations

- Facilitate online food ordering either for pickup or delivery.

- Provide a search option for customers to easily find items they want

- Enable customers to save their favorite item for future orders

2.3 Users

- Customers: Individuals looking to browse menus, make reservations, or order food.

- Admins(Owners): The Restaurant staff managing content at the backend like, orders, and reservations.

2.4 Operating Environment

- Web-based application accessible via modern browsers (Chrome, Firefox, Safari, Edge).

- Responsive design for mobile and tablet devices.

3. Specific Requirements

3.1 Functional Requirements

3.1.1 FR1: Menu Management

- Display menu categories (appetizers, entrees, desserts)

- Display menu items with description, price, and add-ons

3.1.2 FR2: Online Ordering

- Customers can place orders by adding items to cart for pickup or delivery

- Customers can save favorite items in case they will need to do more food orders in the future

3.1.3 FR3: Reservation System

- Customers can make reservations by selecting the date, time and number of guests

- Restaurant staff can receive reservation notifications manage the reservations made

3.1.4 FR4: Customer Account Management

- Customers can create accounts to fully access the website

- Customers can view order history and feedback

3.1.5 FR5: Search Function

- Customers can search menu items to easily find what they want

3.1.6 FR6: Backend System

- Restaurant staff can manage orders

- Restaurant staff can update menu

- Restaurant staff can view customer data

3.2 Non-Functional Requirements

3.2.1 NFR1: Performance

- Response Time should be < 3 seconds on a standard broadband

- Uptime should be > 99%

3.2.2 NFR2: Usability

- The website must be user-friendly (intuitive) and easy to use and navigate for both customers and admins

3.2.3 NFR3: Scalability

- The website must be able to handle 30 concurrent users

3.2.4 NFR4: Security

- User data must be encrypted during transmission

- Admin access must be secured with strong authentication methods

- The website should have a password policy for both users and staff authentication and authorization

4. External Interface Requirements

4.1 IR1: User-Friendly Interface

- Design should contain a home page, menu page, reservation system, and order checkout

4.2 IR2: Compatibility

- The system must be compatible with standard web servers, hosting environments for desktop, tablet, and mobile devices

4.3 IR3: Accessibility

- The website should be accessible for users with disabilities

5. Conclusion

This SRS document outlines the requirements for the restaurant website.