**1. Introduction:**

**Project Overview:**

Our project aims to design and develop a comprehensive website for a restaurant, providing an enhanced user experience for both online visitors and restaurant staff. The website will include features such as online ordering, table reservation, menu management, user reviews, and more.

**2. Project Requirements:**

1. **Website Features:**

* **Online Ordering System:**
* Users can browse the menu and place orders online.
* Customization options for orders.
* Secure online payment integration.
* **Table Reservation:**
* Users can reserve tables for dining in.
* Real-time availability and confirmation notifications.
* Admin interface for reservation management.
* **Menu Management:**
* Admin can update menu items, prices, and descriptions.
* Detailed categorization of menu items.
* **User Reviews and Ratings:**
* Users can leave reviews and ratings for dishes and overall experience.
* Display average ratings for each dish.
* **Contact and Location Information:**
* Display contact details, opening hours, and an interactive map.
* **Special Offers and Promotions:**
* Highlight ongoing promotions and special offers.
* **Event Hosting Information:**
* Provide details about the restaurant's event hosting capabilities.
* **Gallery:**
* Showcase images of the restaurant's interior, exterior, and signature dishes.
* **Mobile Responsiveness:**
* Ensure the website is optimized for various devices.
* **Newsletter Subscription:**
* Allow users to subscribe to newsletters for updates.
* **Social Media Integration:**
* Integrate social media feeds and sharing options.
* **Allergen Information:**
* Display allergen information for each menu item.
* **Online Payment Integration:**
* Implement secure online payment options for orders.
* **Reservation Management (Admin):**
* Admin can manage table reservations and view customer details.

1. **Technical Constraints and Considerations:**

* Integration with reliable online ordering and payment systems.
* Consideration for a potential mobile app.
* Compliance with data protection regulations.
* Hosting and server requirements based on expected traffic.

**3. User Stories**

1. **Online Ordering System:**
   * **View Menu:**

*As a user, I want to browse the restaurant's menu to view available dishes and their prices.*

**Acceptance Criteria:**

* The menu is organized by categories.
* Each menu item displays a detailed description and price.
* **Place Online Order:**

*As a user, I want to easily place an online order for delivery or takeaway.*

**Acceptance Criteria:**

* Users can add items to their cart.
* Customization options are available (e.g., quantity, special instructions).
  + **Mobile Ordering:**

*As a user, I want to easily navigate and place orders using my mobile device.*

**Acceptance Criteria:**

* The website is responsive and user-friendly on various mobile devices.
* **Secure Online Payment:**

*As a user, I want to securely pay for my online orders through the website.*

**Acceptance Criteria:**

* The payment process is encrypted and secure.
* Multiple payment options are available (e.g., credit card, digital wallets).

1. **Table Reservation:**

* **Make Table Reservation:**

*As a user, I want to reserve a table for dining in and receive a confirmation.*

**Acceptance Criteria:**

* Users can select the desired date and time for the reservation.
* Real-time availability is displayed.
* Users receive a confirmation email or notification.
* **View Reservation Confirmation:**

*As a user, I want to view the details of my table reservation and receive a confirmation.*

**Acceptance Criteria:**

* Users can access a reservation history section.
* Reservation details include date, time, and number of guests.
* **Reservation Management (Admin):**

*As an admin, I want to manage table reservations, view customer details, and confirm bookings.*

**Acceptance Criteria:**

* Admins can access a reservation management panel.
* Reservation details include customer information, date, time, and special requests.

1. **Menu Management:**

* **View Menu:**

*As a user, I want to browse the restaurant's menu to view available dishes and their prices.*

**Acceptance Criteria:**

* The menu is organized by categories.
* Each menu item displays a detailed description and price.
* **Admin Menu Update:**

*As an admin, I want to easily update the menu items, descriptions, and prices.*

**Acceptance Criteria:**

* Admins can access a menu management panel.
* Changes to menu items are reflected on the website in real-time.
* **User Reviews and Ratings:**

*As a user, I want to read reviews from other customers to make informed decisions.*

**Acceptance Criteria:**

* Users can access reviews for each menu item.
* Reviews include ratings, comments, and the date of submission.
* **Contact and Location Information:**

*As a user, I want to find the restaurant's contact details and location information.*

**Acceptance Criteria:**

* The website includes a "Contact Us" page with phone numbers, email addresses, and a map.
* **Special Offers and Promotions**

*As a user, I want to check ongoing promotions and special offers.*

**Acceptance Criteria:**

* Special offers are highlighted on the homepage.
* Users can access a dedicated section for promotions.
* **Event Hosting Information**

*As a user, I want information on the restaurant's event hosting capabilities.*

**Acceptance Criteria:**

* The website includes details on event spaces, capacity, and reservation process.

1. **Gallery:**

* **View Restaurant Gallery:**

*As a user, I want to see images of the restaurant's ambiance and dishes.*

**Acceptance Criteria:**

* The website includes a gallery section with high-quality images.

1. **Mobile Responsiveness:**

* **Mobile Ordering:**

*As a user, I want to easily navigate and place orders using my mobile device.*

**Acceptance Criteria:**

* The website is responsive and user-friendly on various mobile devices.

1. **Newsletter Subscription & Social Media Integration:**

* **Subscribe to Newsletter:**

*As a user, I want to subscribe to newsletters for updates and promotions.*

**Acceptance Criteria:**

* Users can enter their email addresses and subscribe to newsletters.
* Share on Social Media:

*As a user, I want to share my dining experience or special offers on social media.*

**Acceptance Criteria:**

* Social media sharing options are available on relevant pages.

1. **Online Payment Integration:**

* Secure Online Payment

*As a user, I want to securely pay for my online orders through the website.*

**Acceptance Criteria:**

* The payment process is encrypted and secure.
* Multiple payment options are available (e.g., credit card, digital wallets).

1. **Reservation Management (Admin):**

* **Reservation Management (Admin):**

*As an admin, I want to manage table reservations, view customer details, and confirm bookings.*

**Acceptance Criteria:**

* Admins can access a reservation management panel.
* Reservation details include customer information, date, time, and special requests.

1. **Technical Stack:**
2. Front-end Technologies
3. Back-end Technologies
4. Database
5. Hosting and Server Requirements
6. **Additional Options:**
7. Map/Location/Address
8. About
9. Contact
10. Email
11. Social Media links
12. Website Accessibility
13. Join your team
14. Hours