BUSINESS REQUIREMENT DOCUMENT

Website for a Restaurant

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# 1. Introduction

## 1.1 Purpose of the BRD

This document outlines the specific requirements for developing a website for an Indian restaurant. It will serve as a guide for the development team and provide a clear understanding of the project's scope, objectives, and functionalities.

## 1.2 Project Overview

* **Project Name:** [Restaurant Name] Website
* **Project Goal:** To establish a strong online presence for [Restaurant Name] and provide customers with a convenient platform to explore the menu, place orders, and learn about the restaurant.
* **Target Audience:** Local residents, tourists, and food enthusiasts interested in Indian cuisine.

# 2. Business Objectives

* **Increase Online Visibility:** Improve the restaurant's search engine ranking to attract new customers.
* **Enhance Customer Experience:** Provide a user-friendly website with easy navigation and access to essential information.
* **Boost Online Orders:** Implement a seamless online ordering system to streamline the ordering process.
* **Promote Brand Awareness:** Showcase the restaurant's unique selling points and build brand recognition.

# 3. Functional Requirements

## 3.1 Homepage

* **Hero Image:** A visually appealing image showcasing the restaurant's ambiance or signature dishes.
* **Restaurant Information:** Brief overview of the restaurant, including its history, location, and specialities.
* **Menu Navigation:** Clear and accessible links to different menu categories (e.g., appetizers, main courses, desserts).
* **Call to Action:** Prominent buttons for online ordering, reservations, and contact information.

## 3.2 Menu

* **Detailed Descriptions:** Clear and concise descriptions of each dish, including ingredients and dietary restrictions.
* **High-Quality Images:** Attractive images of each menu item.
* **Pricing Information:** Accurate and up-to-date pricing for all items.
* **Allergy Information:** A clear indication of allergens present in each dish.

## 3.3 Online Ordering

* **Easy Checkout Process:** A simple and intuitive checkout process, allowing customers to place orders with ease.
* **Multiple Payment Options:** Support for various payment methods (e.g., credit cards, digital wallets, cash on delivery).
* **Order Tracking:** Provide customers with an option to track the status of their orders.
* **Delivery or Pickup Options:** Allow customers to choose between delivery or pickup.

## 3.4 Reservations

* **Online Reservation System:** A user-friendly system for customers to make reservations online.
* **Real-Time Availability:** Display real-time availability of tables.
* **Customization Options:** Allow customers to specify preferences for seating, date, and time.

## 3.5 Contact Information

* **Contact Form:** A simple form for customers to submit inquiries or feedback.
* **Social Media Links:** Integration with the restaurant's social media profiles.
* **Location Map:** A map displaying the restaurant's location.

# 4. Non-Functional Requirements

* **Performance:** The website should load quickly and be responsive across different devices.
* **Security:** Implement robust security measures to protect customer data.
* **Accessibility:** Ensure the website is accessible to users with disabilities.
* **Scalability:** The website should be able to handle increased traffic as the business grows.

# 5.Technical Requirements for Indian Restaurant Website

## 5.1. Platform and Technology

* **Platform:** WordPress or a similar content management system (CMS) for its flexibility, ease of use, and extensive plugin ecosystem.
* **Programming Language:** PHP
* **Database:** MySQL or PostgreSQL
* **Framework:** Consider using a lightweight framework like Laravel or Symfony for better structure and maintainability, especially for complex features.

## 5.2. Hosting and Server Requirements

* **Hosting:** A reliable web hosting provider with sufficient resources to handle expected traffic and data storage.
* **Server Requirements:**
  + **CPU:** At least a dual-core processor
  + **RAM:** Minimum 2GB RAM
  + **Storage:** 50GB SSD storage or more
  + **Database:** A dedicated database server or managed database service
* **SSL Certificate:** A valid SSL certificate to ensure secure data transmission and HTTPS encryption.

## 5.3. Design and User Experience (UX)

* **Design:** A modern, visually appealing design that reflects the restaurant's ambiance and cuisine.
* **Responsive Design:** The website should be fully responsive to adapt to different screen sizes and devices (desktop, tablet, mobile).
* **User-Friendly Interface:** Intuitive navigation, clear labeling, and easy-to-use forms.
* **Accessibility:** Adhere to accessibility standards (e.g., WCAG) to accommodate users with disabilities.

## 5.4. Functionality Requirements

* **Homepage:**
  + Hero image with a call to action
  + Restaurant information (address, contact details, hours)
  + Menu navigation
  + Featured dishes or specials
* **Menu:**
  + Detailed descriptions of each dish
  + High-quality images
  + Pricing information
  + Allergy information (icons or labels)
  + Option to filter by category or cuisine
* **Online Ordering:**
  + Shopping cart functionality
  + Multiple payment options (credit cards, digital wallets, cash on delivery)
  + Order tracking
  + Delivery or pickup options
* **Reservations:**
  + Online reservation system
  + Real-time availability
  + Customization options (seating, date, time)
* **Contact Form:**
  + Simple form for inquiries or feedback
  + Integration with email marketing tools
* **Social Media Integration:**
  + Links to the restaurant's social media profiles
  + Social sharing buttons for content

## 5.5. Development and Deployment

* **Version Control:** Use a version control system (Git) to track changes and collaborate effectively.
* **Development Environment:** Set up a local development environment using tools like XAMPP or Docker.
* **Testing:** Conduct thorough testing (unit, integration, system) to ensure functionality and performance.
* **Deployment:** Deploy the website to the production server using a deployment tool or script.

## 5.6. Security and Maintenance

* **Security:**
  + Implement security measures like strong passwords, regular updates, and firewalls.
  + Protect customer data and payment information.
* **Maintenance:**
  + Regular updates and patches for the CMS, plugins, and themes.
  + Backups of the website and database.
  + Monitor website performance and address any issues.

## 5.7. Performance Optimization

* **Image Optimization:** Compress images without compromising quality.
* **Caching:** Implement caching mechanisms to reduce server load and improve page load times.
* **Minification:** Minimize CSS and JavaScript files to reduce file size.
* **Content Delivery Network (CDN):** Consider using a CDN to distribute content across multiple servers and improve performance.

## 5.8. Analytics and Tracking

* **Google Analytics:** Set up Google Analytics to track website traffic, user behavior, and conversions.
* **Event Tracking:** Track specific user actions (e.g., button clicks, form submissions) to measure engagement.

# 6.Timeline and Deliverables for Indian Restaurant Website

## Phase 1: Planning and Discovery (2 weeks)

* **Deliverables:**
  + Project charter
  + Detailed business requirements document (BRD)
  + Technical specifications
  + Project timeline and milestones
  + Project team assignment

## Phase 2: Design and Prototyping (3 weeks)

* **Deliverables:**
  + Wireframes and mockups
  + User interface (UI) design
  + User experience (UX) design
  + Logo and branding guidelines

## Phase 3: Development (6 weeks)

* **Deliverables:**
  + Website development (homepage, menu, online ordering, reservations, contact)
  + Integration with payment gateways
  + Integration with social media
  + Development of mobile-responsive design

## Phase 4: Testing and Quality Assurance (2 weeks)

* **Deliverables:**
  + Unit testing
  + Integration testing
  + System testing
  + User acceptance testing (UAT)
  + Bug fixes and improvements

## Phase 5: Deployment and Launch (1 week)

* **Deliverables:**
  + Deployment to production server
  + Website launch
  + Search engine optimization (SEO) setup
  + Google Analytics implementation

## Phase 6: Maintenance and Support (Ongoing)

* **Deliverables:**
  + Regular updates and patches
  + Security maintenance
  + Performance monitoring
  + Technical support
  + Content updates