

RESTAURANT BOOKING SYSTEM

PROJECT PROPOSAL

OVERVIEW

The **Online Restaurant Booking System** is a web-based application designed to streamline the table reservation process for both users and administrators. The system aims to provide an efficient and user-friendly platform for users to make table reservations and for administrators to manage bookings and restaurant operations.

The Objective

The objective of the Online Restaurant Booking System is to create a platform that simplifies the table reservation process for both customers and restaurant staff. By providing a user-friendly interface and robust features, the system aims to enhance the overall dining experience for customers while improving operational efficiency for restaurants.

The Opportunity

The restaurant industry is highly competitive, and efficient table management can be a key differentiator for success. With the increasing use of technology in the dining sector, there is a significant opportunity to leverage an online booking system to attract more customers and improve overall customer satisfaction.

The Vision

The vision is to become the leading provider of online restaurant booking solutions, revolutionizing the way customers reserve tables and restaurants manage bookings. We aim to create a seamless and enjoyable dining experience for customers while helping restaurants optimize their operations and maximize revenue.

The Benefits

1. For Customers: Easy and convenient table reservations, with the ability to check reservation status and receive timely updates.
2. For Restaurants: Streamlined booking management, improved table utilization, and enhanced customer service. The system also provides valuable insights through detailed reports and analytics, helping restaurants make informed decisions to drive business growth.

Features

Admin Module:

1. Secure Login: The system will have a secure login system for both admin and sub-admins.
2. Dashboard: The admin dashboard will display key metrics such as total sub-admins, total bookings, new bookings, accepted bookings, and rejected bookings.
3. Sub-Admin Management: Admin can create, delete, edit, and reset passwords for sub-admins.
4. Table Management: Admin can add and delete tables as needed.
5. Booking Management: Admin can view new, accepted, rejected, and all bookings. They can also take actions on new bookings.
6. Booking Report: Admin can generate a report of bookings between two dates.
7. Account Settings: Admin can update their profile and change passwords. They can also recover passwords if forgotten.

User Module:

1. Table Reservation Form: Users can easily fill out the table reservation form, specifying their preferred date, time, and number of guests.
2. Reservation Status: Users can check the status of their table reservation, whether it's pending, accepted, or rejected.

Technical/Project Approach

1. Frontend: HTML, CSS, JavaScript, Bootstrap
2. Backend: PHP
3. Database: MySQL
4. Authentication: JWT (JSON Web Tokens)
5. Other Tools: Git for version control, Postman for API testing, Swagger for API documentation

Implementation Plan

1. Requirement Gathering: Collect detailed requirements from stakeholders.
2. Design: Create wireframes and design the user interface.
3. Development: Implement the frontend and backend functionalities.
4. Testing: Conduct thorough testing to ensure the system's reliability and security.
5. Deployment: Deploy the application to a web server.
6. Maintenance: Provide ongoing support and maintenance to address any issues or updates.

The **Online Restaurant Booking System** will revolutionize the way restaurants manage table reservations, providing a seamless experience for users and administrators alike. With its user-friendly interface and robust features, the system will be a valuable asset for any restaurant looking to enhance its booking process.