Sri Lanka Institute of Advanced Technological Education (SLIATE)

Project Proposal
Title

Online Restaurant System

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Table of Contents

01. Abstract

These projects will assess how current restaurants carry on their booking activities. And try to improve the services by making booking service online through an online reservation system. This will eliminate the time taken in queues by customers and save on resources such as extra expenditure incurred in hiring new employees to cater for increasing number of customers.

The restaurant website content management system plays vital role in promotion of business. It helps the restaurant administration to advertise the features and facilities of restaurant . Using this project, the content of website can be updated regularly. It facilitates the online booking of restaurant s and tours.

The users are the clients who want to search and order the food suitable for them. A user has no restriction to make the Order. A user can directly go through the website, search for available foods and make a order of their choice. This project is a very simple project that saves time and money for the customer as well as the restaurant organization. The admins can view all users' orderings. The design of this project is pretty simple so that the user won't find any difficulties while working on it.

02. Introduction

Information Technology is widely used for faster and easier way of transaction and communications. It is also used in managing the operation undertaken by the business. Online Restaurant System is a web application implemented in PHP to restaurant food and hall reservation.

Most of the Restaurant reservation System has file system. In this method owner encountered many problems. Using traditional method sometimes there will be a data loss in manual method and making changes in the information or details are very difficult. If they want to search for details in current method, it's time consuming and difficult to find and manage correct information. But our system reduces paper works and transfers the all details as computerized.

Online Restaurant Reservation System is a system that helps us to manage the all function of their company reservation activities. The project contains the admin side and the user side. Sri Lanka is one of the most beautiful country in the South Asia. It has so many attractive Restaurant. This includes information about all Foods and hall they have. Users can view the details of the upcoming foods too. After reserving they must do the payment to confirm the

ordering. Administrator module, User module, login module, restaurant module, reservation module, payment module are the main modules in the system.

People they don't have sufficient time for update their day-to-day records in database, so they can use this kind of reservation system. The user can order foods of their choice, while the admins can view all users' ordering's and manage the delivery. The design of this project is pretty simple so that the user won't find any difficulties while working on it.

03. Background and Motivation

Beach way restaurant is a famous business restaurant . It is located in down east of Sri Lanka. The Restaurant is maintained by the Restaurant Food and hall Reservation System. Online Restaurant Reservation system provides a simple GUI (Graphical User Interface) for the restaurant staff to manage the functions of the restaurant effectively. The restaurant food and hall reservation system is designed & developed for the manage customer's bookings and manage the restaurant employees.

Here existing system maintains only restaurant management activities. They have the record of restaurant inner process only. It is highly complicated as the Ordering system is regulated manually by administrator.

04. Problem in Brief

- ☐ Customers can't login and bookings foods and halls.
- ☐ Customers can't check the availability of hall and prices.
- ☐ waits for lot of time for food ordering.
- ☐ there is no strong database of everyone

Proposed system there will be many users visiting the portal and hence we require a strong and reliable frontend which can withhold the users on our site. The proposed Online Restaurant Reservation System provide facility for customer to visit online and check foods and hall availability, check price, features of the restaurant . It saves time of the staff as well as customers. A confirmation mail is sent to the customer after Ordering. It is easy to store and retrieve information. This system is very secure, user-friendly, and reliable.

05. Aims & Objectives

5.1 Aims

Aims our main aim of building this project is to give facilities for the people who wishes to reserve foods and hall online and spend their time with their family with full secure. We have a security system to protect customer's information. To maintain Reservation Activities without any errors. Also develop the better relation between the customer and our system. The propose system can overcome the all the limitation of the existing system. The system provides proper security and reduces the manual work.

5.2 Objectives

Objectives the main objective of this project is to develop a system that automates the process and activities of the restaurant s food and hall reservation which provide a good service and allow customers to order places online by simply sitting in home. This helps customer in choosing the good places based on price and facilities. It reduces the number of human resource in an organization but makes the work faster and more efficient.

06. Scope of the system

The system enables system administrator to maintain anything at one platform. It is easy for them to update their day to day changes using this system.

- Searching availability
- Pre reservation of foods and hall online
- Customer can view the details of the system
- Maintain and control the database of information easily.
- The admin can view and manage the reservations, add/modify the food details and price.
- Payment can be done online as the system is secure

07. Information gathering methods

I searched for some restaurant s in the websites. Most of the restaurant s do not have facility of reserving food online. They provide only some features of the restaurant . They have the facility to order food. So this system is appropriate for them so that they can improve their publicity and easy for customers. Data gathering methods are observation, websites etc.

08. Requirement Analysis

The Online Restaurant Reservation System is a web based application. The main purpose of this system is to provide a convenient and easy way for a customer to order food and hall. A software requirements specification is a complete description of the behavior of the system to be developed. This includes a set of use cases that describe all of the interactions that the users will have with the software. Under this Requirement analysis there are four types of requirement those are user requirement, functional requirement, non-functional requirement, technical requirement.

8.1 Functional Requirements

The purpose of this diagram is to demonstrate how objects will interact with the system and map out the basic functionality of the system. Here we identify the functional requirements of our online food purchasing website.

- ☐ Sign in-: The Online Restaurant management system provides specific interface for the customer, admin and the staff to sign in.
- ☐ Manage users-: Administrator can manage all user of this system and can find their activities perform by system. He can find login information of all users.
- ☐ Manage Customer's Details-: Managers can manage customers' details.
- ☐ View / Edit and Update the foods and our price details: - Manager is able to view edit and update the hall details and details of tour packages

8.2 Non-Functional Requirements

There are requirements that are not functional in nature. Specifically, these are the constraints the system must work within. These are so many non-functional requirements, to understand this system it is mostly important one.

☐ Accessibility-: The restaurant food and hall reservation system should be available to as many users as possible. The system is not to be confused with usability which is used to describe the extent to which a system can be used by specified users to achieve specified goals with effectiveness, efficiency and satisfaction in a specified context of use.

☐ Reliability-: Reliability is to have our system available even in the worst possible scenario. To achieve these goals, exist redundancy that provides data reliability, and fault tolerance that provides disk reliability.

☐ Portability-: These requirements ensure that the restaurant food and hall reservation system can be easily and quickly ported to a new specified environment when necessary. It also means that the porting costs should be the lowest possible.

☐ Usability-: Well this is a really important factor, without it the whole system has no meaning because no one will use it. Usability involves satisfaction and learns ability if the common user cannot learn intuitively what the system can and cannot do then he will not use it.

8.3 Technical requirement

8.3.1 Hardware requirements

Processor – intel CORE i3 or above Processor speed – 2.0GHZ or above RAM – at least 2GB Hard Disk – 20GB or above

8.3.2 Software requirements

Operating system – windows XP or any compatible OS Browser – internet explorer (HTML5 support) Front end – PHP, HTML, CSS, JavaScript, Bootstrap Database – MySQL Editor tools – notepad ++, visual studio code

09.Design System

Design

Create an account
Manage their account
Log into the system
View the availability of restaurant's
food View prices of the food
Reserve the foods and Drinks.
Make payment

10. References

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