**RESTAURANT MANAGEMENT SYSTEM**

REPORT

***by***

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**Github link:**

**https://github.com/Rajesh9001/restaurant-management-system.**

**Student Declaration**

This is to declare that this report has been written by us. No part of the report is copied from other sources. All the information included from other sources have been duly acknowledged. We aver that if any part of the report is found to be copied, we shall take full responsibility of it.

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**INTRODUCTION**

RESTAURANTMANAGEMENT SYSTEM is a website designed for management of a hotel. Its main aim is to computerize the traditional system of the hotel. It not only keeps the record of various people like customers, managers etc. but also reduce the extensive paper work in the present system. It makes the system more versatile and user friendly. A user is proposed with a variety of features to choose from. The system provides different package facilities to suit the customer’s needs. The user interface must be simple and easy to understand even by the common man.

The highlights that can be added to the online hotel management system are given below:

**Access anywhere**: The online **RESTAURANT MANAGEMENT SYSTEM**

* project can be reached at anytime and anywhere from the world with great efficiency.
* **Easy booking**: The rooms in the particular restaurant can be reserved easily through this site with great expertise.
* **Hotel description**: This project will contain the table information and the location of the hotel

**Goals and Objectives**

The website interface designed focuses on following objectives:

* User interaction
* Photo gallery
* Front Office
* Login
* Home
* Payment Gateway
* Sign in
* Advance Booking
* Feedback
* Overview
* About us
* Contact us

**Description of the project**

The hotel website consists of following modules:

1. Homepage
   * The first page of the website
2. About Us
   * Gives brief description about the RESTAURANT
3. Rooms & Tariff
   * Shows basic rate list and policies of the RESTAURANT
4. Photo gallery
   * Gallery of photos of rooms, restaurant and others
5. Restaurant
   * Gives brief description about the restaurant in hotel
6. Contact Us
   * Contains a form to get in contact with the hotel and other communication methods
7. Login
   * To login customers to get details of their stay.
8. Booking
   * For advance booking of rooms in hotel
9. Payment
   * A payment gateway
10. Call Accounting
    * Calculates bill of using calling facility of hotel
11. Internet Access and billing
    * Calculates bill of using RESTAURANT internet

**Pictorial Representation of the Website**

**TECHNOLOGIES AND FRAMEWORK USED IN THE PROJECT**

We have used the following technologies and frameworks to design the webpage:

**Technologies**:

* **HTML** - HTML is used to give structure to the webpage and define contents like text, tables, images and videos in the webpage.
* **CASCADING STYLE SHEET (CSS)** – It is used to make the website look appealing and attractive by applying styling to our HTML content.
* **JAVASCRIPT** - JavaScript comes into play after HTML and CSS elements are loaded in the webpage. It enables one to create dynamic content, control multimedia, animate images, etc.
* **NODE JS**- Node.js is an open source server environment Node.js is free Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.Node.js uses JavaScript on the server
* **BOOTSTRAP** – Bootstrap is used to make the website responsive. It also helps the website to fit on a wide range of devices like desktops, tablets, smart phones accordingly.

**S.W.O.T Analysis**

As far as we will go to SWOT Analysis on Hotel Management System we must clear the meaning of SWOT. Though at the first look the word SWOT seems too simple, but it is a wide term used as S.W.O.T which contains all the necessary data or information of a Business Organization, Firm, others institutions etc.

S.W.O.T contains four different aspects in it, in which S stands for STRENTH of the concern object, W stands for WEAKNESS, O stands for OPPORTUNITY and T stands for THREATS for that concern object.

As we apply this SWOT concept on Hotel Management System we see that there is a solid strength as well as weakness of it. It has great opportunities in its circle as well as threats from other private sector efforts.

STRENGTH

1. By RESTAURANT Management System, the customer gets a table booked.
2. Through RESTAURANT Management it becomes easier to connect with the customer.
3. After RESTAURANT booking there is No worry to find table later.

WEAKNESS

1. Customers aren’t satisfied with the RESTAURANT Management System.
2. There is no proper timing of the availability of table.
3. The hotel bookings aren’t secured and can be hacked.

OPPORTUNITY

1. Reduction in costs of bills to increase more customers.
2. Give them good offers so that could enjoy booking their table.

THREATS

1. The operation is program oriented so could not be maximized.
2. Customer focus is missing and customer satisfaction is not there.