SYNOPSIS

ON
HOTEL MANAGEMENT

[HOTEL REDISION]

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<u>INTRODUCTION</u>

This project examines the different aspects of the services provided by the hotel management. In today's time everything is possible through the internet whether it is booking transportation tickets or hotel room booking. Internet and electronic devices have made handling different jobs and aspects of management easy. This project is the design and implementation of the hotel management system that provides various information to the customers and manages the transactions of data in a centralized and organised manner. This website provides a user friendly interface to the user with which they can easily interact with a little or basic knowledge of electronic devices.

EXISTING SYSTEM

A website which is designed to create a platform that allows users/ administrators to keep track of available rooms, booked rooms, online booking details and other activities that are available for the running and management of hotels.

This project accomplished the task of building a system that ensures accurate record maintenance which was done through proper identification of customers and the proper designation of user functions with most of the processes being done automatically. An electronic hotel management information system is required to assist management of data in the hospitality industry and also to make the entire hotel management process easier.

This project will be designed and implemented through Microsoft visual studio which is an integrated environment made by Microsoft. It can be used to develop user interface applications along with windows from application websites. The database will be handled by the Microsoft SQL server.

USE OF THE PROJECT

This project will play a major role for the management of the hotel and several other activities for both users / administrators.

1. It will save time and admin tasks by cutting down the time you spend on manual administrative tasks. The software will do most of the tasks and let you utilize your time for other important tasks such as interacting with guests.

   More than any other software you use, a hotel management system will touch every department at your property. Front of house, revenue management, housekeeping… If you pick the right solution, you can make significant time savings across almost every area of your business, also boosting your staff's productivity and satisfaction.

2. It will provide real-time information that will help you grow your number of reservations and spread awareness of your property.

3. It will help users to have a quick tour of your hotel virtually and let them know that it is the right place for staying and enjoying vacations.

Feasibility of Project

- **Identify deficiencies in the current system.**

- **Clarify the user request.**

- **Identify the responsible user for a new system.**

- **Determine the feasibility for the new system.**

- **Prepare a project charter that will be used to guide the remainder of the Project.**

- **Establish goals and objectives for the new system.**

FUNCTIONAL SPECIFICATION

1. Record the personal information / data of the user for the booking of the room.

2. Keep record of booked and available rooms available in a real time database.

3. Record the information of the booked room number.

4. Display users the current room rate on the hotel website.

5. Display the on-going offers, if any.

6. Display the other features available for the users.

7. Allow for the additional information regarding rooms, rates, menu items, prices, and user profiles.

8. Allow for the modification /deletion of information regarding rooms, menu and other services.

9. Display food and room services available.

10. The system shall record customer feedback.

Software Specification:

- **Technology Implemented   : Front-End and Back-End Technologies**
- **Language Used   : HTML, Cs, Java Script, php**
- **Database   : MySQL**
- **User Interface Design : Visual Studio Code**
- **Web Browser   : Google Chrome**

Hardware Requirements:

- **Processor   : Intel i3**
- **Operating System   : Windows 7/8/9+ / Linux / Android / IOS**
- **RAM   : 2GB+**
- **Hardware Devices   : Computer System / Android devices**
- **Hard disk   : 4GB +**
- **Display   : Windows(** recommended 1280*720**)**
                       : Android(recommended 720*1280**)**

FUTURE SCOPE

➔ **Biometric measures such as fingerprint, retinal scan etc. should be included in the system to ensure good security of the system thereby avoiding impersonation and unauthorized access to stored data thereby preventing loss of vital information.**

➔ **Adequate provision should be made for customers to interact with authorized users of the hotel for reservation using their mobile phones.**

➔ **Implementation of more modern online facilities that might help prospective customers interact (limitedly) more with the system and the Hotel in general such as PayPal for making online transactions.**

➔ **Implementation of a multi modal hotel management control system in delivery of service to customers.**

➔ **Provide a virtual tour to the user of the hotel.**