MINI PROJECT
(2019-2020)

Hotel Management Website

Synopsis

Institute of Engineering & Technology

Team Members

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About The Project

This project is aimed at developing a Web application that depicts online Hotel booking. In this system, the management of entire hotel is computerized. This system is designed using HTML, CSS and Javascript as a frontend and SQL server as the secured backend database.
In this project, details are maintained like customer details, reservation details, booking details and billing details. The reservation process of reserving rooms for the customers, cancelling the reserved rooms, the restaurant management, billing process etc. all is computerized and the management is done without any difficulty.
Note: - Hotel Management Website is a desktop and android application. This application is entitled to solve a specific business problem.

Objective of the Project

The mission is to facilitate easy management and administration of a hotel with capabilities to do Booking or reservations of the rooms & cancellation of the rooms & cash billing & room service etc. using the automated hotel management software. One can keep detailed records or info on an unlimited amount of customers. The system lets the user know which all rooms are available for occupancy at any point of time. This makes the booking considerably faster. And thus helps the hotel in better management and reduce a lot of paperwork as well as manpower.

Drawbacks of Existing System

- Manual Entry consumes more time
- It is difficult to maintain bulk record
- Lack of accuracy and error prone
- Lot of paperwork
- Not Secure
- No method to trace details
- Human errors
- Searching is more time consuming

Advantages of Proposed System

- Secure data
- Faster process
- Better Management
- Save Manpower
- Elimination of paperwork

- Fast and economical

Modules

- Room enquiry and reservation
- Check In/Check Out Module
- Bills and Payment Module
- Feedback Module

Description of the Project

Room Enquiry and Reservation Module

This module deals with reservation enquiry and reservation. During reservation, the details of the customers & type of room required and number of room required are fed in to the system. Once this information is entered, the system searches for the unoccupied rooms and displays the result. In reservation enquiry, customer can get the information such as rent of rooms and details of rooms available.

Check In/Check Out Module

This module deals with the reservation check IN (i.e., allocating room for the customer who has already reserved), Direct check in (i.e. checking in without reservation), handling check Out of customer and his bill payment.

Bills and Payment Module

This module deals with the generation and tracking of bills and payments made by the guest. The bill is calculated using the check-in and check-out details of the guest.

Feedback Module

This module deals with the feedback given by the customer. Customer gives their feedback according to hotel services and can give suggestions to improve hotel services.

Hardware Requirements

- Personal computer with internet connection
- i3 Processor Based Computer Or Higher
- Memory: 2 GB RAM(Minimum)
- Hard Drive: 30 GB(Minimum)

Software Requirements

- ➢ Windows 7 Or Higher
- ➢ Google Chrome Version 40.0.2214 Or Higher
- ➢ Any Web Editor Like Sublime Text Or Brackets
- ➢ SQL Server 2008 Or Above

FrontEnd Tools

- HTML
- CSS
- JavaScript
- Bootstrap

BackEnd Tools

- PHP
- MySQL

Audience Target

All the Hotel Management staff can be able to use this application according to their needs and if any person wants to navigate his/her business of Hotel, he/she can have direct contact with us through this application and make their business digital.

Future Prospects

At present this software does not contain Credit card facility. We can make this application as online so that we can reserve the tables and do the online payment. So as the demand increases we can add these modules as a future scope.

GitHub ID

https://github.com/HARSH5246/Hotel-Management.git