



SYNOPSIS
ON
ARON's HOTEL

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INTRODUCTION

Hotel Management System is a software system where the management of entire hotel is computerized. The hotel management system is designed using JAVA SCRIPT as the rich GUI for front end SQL server as the secured backend database.

In this project the details are maintained like customer details, reservation details, Booking details and billing details. The reservation process of reserving rooms for the customers, canceling the reserved rooms, booking the rooms, vacating the rooms, the restaurant management billing process, etc all are computerized and the management is done without any difficulty.

The reports can be viewed completely and the head of the management daily or weekly can review it. For company auditing it will be more useful. This proposed system will be interactive, faster and user-friendly for the end users. Using the hotel management system, the following activities can be performed.

- Room Service
- Check In
- Check Out
- Login
- Restaurant service

EXISTING SYSTEM

Hotel Management involves maintaining various operations of the hotel like Booking or reservation of the rooms, Cancellation of the rooms, Cash billing, Room service, Restaurant service, Restaurant billing, Total billing, etc. The existing system is a manual one and there is lot of issues like erroneous data, slow process, lack of security etc. Finding out the final payment amount completely relies on the hotel manager and if he is absent. It takes a long time to find out the details during check out and is prone to errors.

Drawbacks of the Existing System

- Manual entry consumes more time.
- It is difficult to maintain bulk of record in manual.
- Restriction in the users.
- Not easy to prepare the daily reports.
- Lot of paperwork.
- Non-secure.
- Human errors.
- Searching is the more time consuming.

Advantage of proposed system

- Secure data.
- Faster process.
- Error free.
- Better management.
- Save of lot a manpower.
- Elimination of paper work.
- Fast and economical.

USE OF THE PROJECT

Room Enquiry and Reservation --

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 these in formations are entered, the system searches for the unoccupied rooms and display the result. In reservation enquiry, Customer can get the information such as rent of rooms and details of rooms available.

Check In / Check Out --

This module deals with the reservation check-in, Direct check-in, handling checkout of guest and Bill payment.

Bills and payment --

This module deals with the generation and tracking of bills and payment made by the guest. The bills are classified into lodging bills and Restaurant Bill. The lodging bill is calculated using the check in and checkout details of the person. The Restaurant bill is generated based on the food items consumed by the guest during his stay hotel.

Reports --

This module deals with the generation of the reports for the various modules. The customers list can be generated. Room status list can be retrieved for reference. The check in and checkout registers can also be retrieved for any future queries.

Feasibility of Project

FUNCTIONAL SPECIFICATION

After doing the project hotel booking system, study and analyzing all the existing or required functionalities of the system, the next task is to do the feasibility study for project. All projects are feasible- given unlimited resources and infinite time.

Feasibility study includes consideration of all the possible ways to provide a solution the given problem.

Software Specification:

- Technology Implemented : PHP
- Language Used : HTML, CSS, JAVASCRIPT
- Database : Firebase
- Web Browser : Chrome

Hardware Requirements:

- Processor : i3/i5/i7
- Operating System : windows10
- RAM : 512 Mb
- Hard disk : 100 GB
- Display : 1280*720

FUTURE SCOPE

- We can give more advance software for Hotel Management System including more facilities.
- We will host platform on online servers to make it accessible worldwide.
- Create the master and slave database structure to reduce the overload of the database queries.

We have left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them. In the last we would like to thanks all the persons involved in the development of the system directly or indirectly. We hope that the project will serve its purpose for which it is develop there by underlining success of process.