

SYNOPSIS OF HOTEL MANAGEMENT

A hotel management system is a set of hotel software solutions that keep operations flowing.

OBJECTIVE

The objective of the project is to manage admin login, customer registration, Editing, Deletion, Display, Sorting, Searching, Room Allotment, Check-in Check-out, Services, Billing and Report. The purpose of the project is to build an application program for reducing the manual work for managing the customers, room allotment, billing and other services.

MODULES

- Room Enquiry and Reservation
- Check Out Module
- Bills and Payment Module
- Staff
- Staff Attendance
- Reports

Software Requirement Specification

Python : Frontend

MySQL : Backend

HARDWARE REQUIREMENTS

Processor	Pentium IV+
Clock Speed	2 GHz
RAM	512 MB
Hard Disk Capacity	80 GB
Keyboard	101 Keys
Mouse	Optical Mouse

SOFTWARE REQUIREMENTS:

Front End: Python

Back End: MySQL

Operating System: Windows XP

ADVANTAGES OF HOTEL MANAGEMENT SYSTEM

- Saves time of customers in quickly reserving rooms.
- The ability to book rooms anytime.
- Saves time of customers.
- Provides the information about hotel facilities.
- Very secure.
- User friendly.

Table Name: Customer

Field	Description	Type	Length
cust_ID (PK)	Customer ID	Int	11
custfname	Customer First Name	Varchar	255
custlname	Customer Last Name	Varchar	255
reservation	Customer Reservation	Varchar	255
address	Customer Address	Varchar	255
status	Customer Status	Varchar	255
contact_address	Contact Address	Int	11

Table Name: Room

Field	Description	Type	Length
room_ID (PK)	Room ID	Int	11
room_type	Room Type	Varchar	30
room_sample	Room Sample	Varchar	30
description	Room Description	Text	

Table Name: Reservation

Field	Description	Type	Length
reservation_ID	Reservation ID	Int	11
customer_ID	Customer ID	Int	11
room_ID	Room ID	Int	11
reservation_date	Date of Reservation	Date	
date_in	Date of Coming In	Date	
date_out	Date of Coming Out	Date	
days_range	Range of Days	Int	11

Table Name: Payment

Field	Description	Type	Length
payment_ID	Payment ID	Int	11
customer_ID	Customer Id	Int	11
type	Payment Type	Varchar	30
payment_date	Date of Payment	Date	

Table Name: Employees

Field	Description	Type	Length
employee_ID	Employee Id	Int	11
fname	First Name	Varchar	30
lname	Last Name	Varchar	30

job_department	Job Department	Varchar	30
address	Address	Text	
contact_address	Contact Address	Int	11
username	Username	Varchar	30
password	Password	Varchar	30

Table Name: Transactions

Field	Description	Type	Length
transaction_ID	Transaction ID	Int	11
transaction_name	Transaction Name	Varchar	30
customer_ID	Customer ID	Int	11
employee_ID	Employee ID	Int	11
reservation_ID	Reservation ID	Int	11
transaction_date	Transaction Date	Date	

CONCLUSION

- The use of software in computers in hotel management system has made things easy.
- These are made to keep a check on balance in accounts and a check on customers list.
- The software is user friendly and easy to handle.

Soumyaranjan Sahoo 12 sci