

HOTEL MANGEMENT SYSTEM

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Introduction

Hotel management systems are software solutions that help streamline and automate various aspects of hotel operations. They typically include modules for reservations, check-ins and check-outs, room assignment, billing, inventory management, and reporting. These systems enhance efficiency, improve guest experience, and contribute to better overall hotel management.

FEATURES :

- 1.Reservation Management
- 2.Guest Management
- 3.Room Management
- 4.Billing and Invoicing
- 5.Check-in and Check-out
- 6.Inventory Management
- 7.Staff Management
- 8.Point of Sale (POS)
- 9.Reporting and Analytics
- 10.Online Booking platform
- 11.Customer Relationship Management
- 12.Security and Access Control
- 13.Housekeeping Management
- 14.Communication Tools
- 15.Mobile Accessibility

END USER OF SYSTEM

The following end users can use the system in easy manner:

- *Guests
- *Hotel Manager
- *Staffs

LANGUAGES

Front end : HTML,JAVASCRIPT,CSS

Back end : MySQL, PYTHON

ENTITIES

Hotel:

HotelID (Primary Key)

Name

Address

Contact Information

Room:

RoomID (Primary Key)

HotelID (Foreign Key referencing Hotel)

RoomNumber

RoomType

Price

Guest:

GuestID (Primary Key)

FirstName

LastName

Contact Information

Reservation:

ReservationID (Primary Key)

GuestID (Foreign Key referencing Guest)

RoomID (Foreign Key referencing Room)

CheckInDate

CheckOutDate

DATABASE DESIGN

ROOM

Room_ID	Room_num	Room_type	Rate
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GUESTS

Guest_ID	First_name	Last_name	Email	Ph_num
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RESERVATIONS

Reserv_ID	Guest_ID	Room_ID	Check_in	Check_out
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STAFF

Staff_ID	First_name	Last_name	Position	Salary
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TRANSACTIONS

Trans_ID	Reserv_ID	Trans_date	Amount
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