

PROJECT TITLE: Hotel Database system

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**ABSTRACT:**

These days it is difficult to maintain a hotel information in a book due to vast growth of data. hence, a database is important for a hotel. Having a database will make the work easy to sort the data or to retrieve data from the database can be done within seconds. It can be easy to store and update the data using a database system.

Using the database system data of customers can be stored and retrieved easily, things which can be done by aa database system includes details of the customer who books a hotel, check-ins, check-out, people to make reservation, information of employees, managers, different locations of the hotel, to create monthly statements with accuracy, to search records of the customers who books a hotel. Main importance of the database system is data duplication is reduced, time and human effort will be reduced, data can be easily retrieved and changed with ease and user friendly, data will be secure in a database.

**DESCRIPTION:**

To do different operations in a hotel database, online database system will be much helpful to keep track of Customers, status of the room booked, dates available to book, payments made. Employees will have an access code to manage payment methods, to manage the records of the customers and rooms. Basic operations of the database will include to add a new customer, to make a record of the details of the customer, to book a room in the present location or a different location, to check for availability of room on a particular date, to manage employee information which includes salary and information of the employees, to check for the need of a special room which may have more facilities, to display prices of different type of rooms, to make reservations, to complete payments.

Entities for this database will be:

1. Hotel information
2. Locations
3. Employees
4. Customers
5. Hotel rooms
6. Stay information
7. Room Information
8. Room Service
9. Billing Details
10. Payments

**QUERIES:**

1. check the information of the customer whose Id is 188893.
2. Display different branches in different locations of the hotel.
3. To check the information of the employees, details of a particular employee.
4. Display the first name and hire date of the employees who joined in 2015.
5. Display all details of employee with specific ID.
6. Insert a new employee into employee records.
7. Display employee name and country name in which he is working.
8. Display details of employees whose maximum salary is more than 8000.
9. Display details of the room which costs more than $500.
10. Display employee name, job title of the employees who have salary 10000.
11. Delete records of customer whose customer id is 12848.
12. Insert a new customer into customer table with all the details required.
13. Create a new table with name room service.
14. Assign a particular room to a customer id.
15. Display details of the room with room id o9429.
16. Delete details of the room with room id g4242.
17. Drop a table with name Room service.

**Project\_Phase II\_Dileesh Chandra\_Bikkasani.**

**EMPLOYEE DATABASE RELATIONAL SCHEMA**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYEE |  | E\_ID | E\_SSN | E\_Name | E\_Address | Gender | Age | password |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CUSTOMER |  | C\_ID | C\_Name | C\_Address | Gender | Age |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ROOM\_INFO |  | RNum | RType | RPrice | Number of persons |

|  |  |  |  |
| --- | --- | --- | --- |
| STAY\_INFO |  | Date | Days of Stay |

|  |  |  |  |
| --- | --- | --- | --- |
| BOOKING |  | B\_Id | Date of Booking |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HOTEL\_INFO |  | BranchName | Address | contact num |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ROOM SERVICE |  | Telephone | Wifi | Laundry |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LOCATIONS |  | Country | State | District |

|  |  |  |
| --- | --- | --- |
| BILLING |  | Bill Number |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PAYMENT\_INFO |  | Transc\_Id | Transc\_Date | Amount | CardNum | CardType | ExpDate | PaymentType |