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# 1. Hotel Management System

## 1.1.Database Planning

We can Divide our Hotel Management System Into Following Sections.

### 1.1.1 Mission Objectives

*“The purpose of Hotel Management System is to help out Stack-Holders in Manage them room bookings and optimize their profit. The system will keep track of the rooms and generate information related to finance, room booking, and Generate financial report.”*

### 1.1.2 Mission Objective of Database

Mission Objective of the database is

- To maintain (Enter, Update and Delete) data on rooms
- To maintain (Enter, Update and Delete) data on Customer
- To maintain (Enter, Update and Delete) data on Managers
- To maintain (Enter, Update and Delete) data on Customer Activities
- To maintain (Enter, Update and Delete) data on Bookings
- To maintain (Enter, Update and Delete) data on Finance
- To maintain (Enter, Update and Delete) data on Free Rooms
- To maintain (Enter, Update and Delete) data on Booked Rooms
- To maintain (Enter, Update and Delete) data on Room Cancellation
- To maintain (Enter, Update and Delete) data on Branch
- To maintain (Enter, Update and Delete) data on Employees
- To maintain (Enter, Update and Delete) data on Wages
- To maintain (Enter, Update and Delete) data on Viewing
  
- To Search on rooms
- To Search on Customer
- To Search on Finance

# Hotel Management System

## To Search on Branch

## To Search on Employees

## To track on Rooms

To track on Client

## To track on Free Rooms

## To track on Booked Rooms

## To report on rooms

To report data on Customer

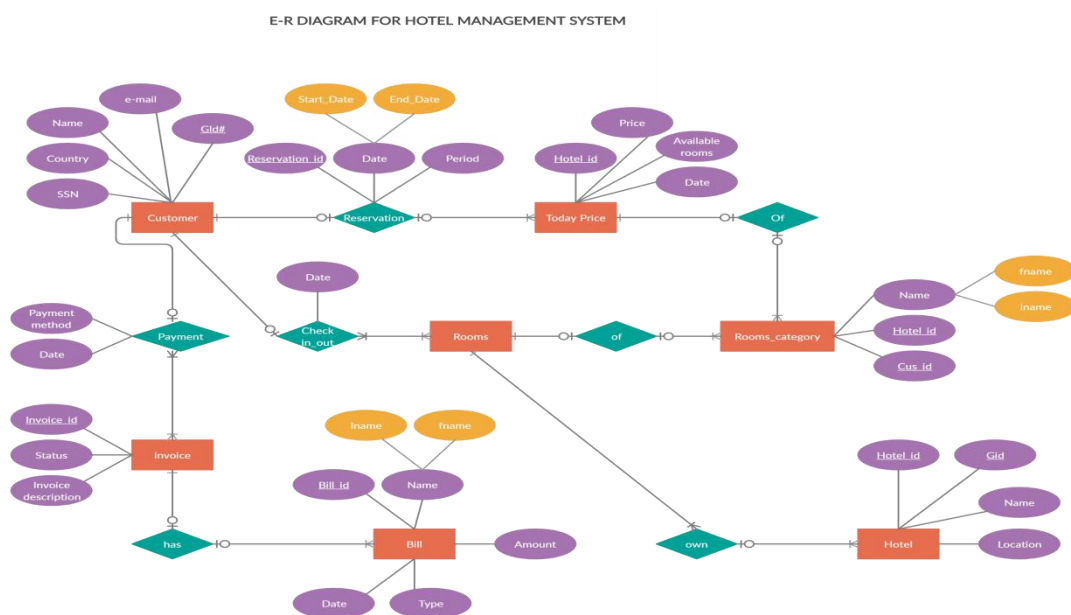
## To report on Bookings

## To report on Finance

## To report on Branch

## To report on Employees

### 1.1.3 ER Digram



### 1.1.4 Views

There is only one view in our Systems

## **1.2.Task Assign to Members**

### **1.2.1 Hasseeb And Haider:**

Haseeb and Hadier will design and develop the Login Functionalites in Our Hotel Managemnt System by interacting with database to validate the user.

### **1.2.2 Ashfaq And Hasssan Shah Nawaz**

#### **Mission Objective modules of our project.**

Develop And Design the Dashboard Functionalites After User will login The system.

User login  
User logout  
Forget password  
Registration .

#### **User login**

In this module we have to create a login ID and have to enter user name and password for login to the Hotel portal.

#### **User logout.**

In this if the user want to logout from the Hotel portal simple the user have to press logout option.

#### **Forget password.**

In this module if the user forget his\her password the simple just click the forget password bottom and give the new password so the password will update.

### **Registration.**

in this module if the user login to the Hotel portal and he want to register or book a room then there is must the room registration option

### **1.2.3 Fahad, And Imad**

#### **Task:**

Imad and Fahad must design and develop the room status and selection that will include available rooms, new client's insertion part, available and booked rooms and the price of rooms and client information related part.

#### **Description:**

Our Project is about Hotel management system and imad and fahad will deal the client's residential part. As the client demands about its residency we'll provide the client several option for example which type suite clients want to book he/she can book king size suite or medium size suite, whether he/she want double bed or not, does the client want attach jacuzzi with steam bath or not. How much the client wants to stay in our hotel, two days or 3 days or a week. According to our client's information about stay in hotel we'll offer him/her the different deals. If the client often visits at our hotel, we will provide the client premium membership which will reduce his/her booking costs in next trips. Further we will collect client's personal information as per our hotel policy i.e. Name, permanent address, reason to visit (vocation or business tour), identity proof etc. If the client stays in his/her booked suite for one day or night and had a change of mind and want to change the room or there is an emergency for the client we will provide the client with different facilities and the cost may varies according to situation. If a client is superstitious and want the room of his/her choice, then we will do our utmost effort to provide the client with there choice. If the rooms are under maintenance, we will provide advance notification via email if due to some reason client didn't read the email we will notify the reception with the information. Furthermore, if a client books a suite and didn't come to suite and due to some reasons, the client cancels their reservation well provide 70% money back guarantee. The price may vary for different client it depends on client's membership. The discount packages will only be available for premium membership holder's and the client which is not regular will be charge according to his/ her reservations. Since the client does not know the rooms available for reservations so we will provide the information on the screen Infront of the receptionist so it will be easy for client to decide his/her choice. One additional thing we will provide the client will get a choice whether he/she wants the room service and laundry or not.

#### **1.2.4      Awais , Hassan Ali Jadoon And Sardar Badar**

##### **Scope:**

We will create financial module of the app. This module will generate weekly, monthly and annual Financial report of the hotel. It will also calculate the revenue generated by the rooms. In the end we will also integrate all modules of hotel management system.

##### **Development Time:**

This module requires about 3 months to be completed

##### **Complexity:**

We will use Swing Framework of Java as assigned by the instructor. Beside that we have to learn Object Oriented concepts of Java. The main issue with the swing framework that it does not have wide community thus we will have to face many issues during the learning phase, also it does not have extensive tutorials.

##### **Mission Objective:**

We will make finance module

##### **Major Views:**

For the sake of simplicity, we are dealing with one major view.

##### **Conclusion:**

Although we deal with data financial module of app but it will take about 3 months due to wide range of complexity we will face learning framework like swing and OOP concepts as well

## Hotel Management System

### **1.2.5      Note:**

Each Individual Have to provide His Part Of Design to the team Leader.