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# Hotel Management System

## Database Planning

We can Divide our Hotel Management System Into Following Sections.

### 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.”*

### 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
* 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

### ER Digram



### Views

There is only one view in our Systems

## **Task Assign to Members**

### 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.

### Ashfaq And Hasssan Shah Nawaz

Ashfaq and Hasssan Shah Nawaz will Develop And Design the Dashboard Functionalites After User will login The system.

### Fahad, And Imad

Fahad Hassan has to design And Develop the Rooms Status Section That will include Avalible rooms, New Client Insertiion part, Avalible and Booked Rooms and The Prices of rooms and Client Info related part.

### 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

#### Note:

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