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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 Statement

“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

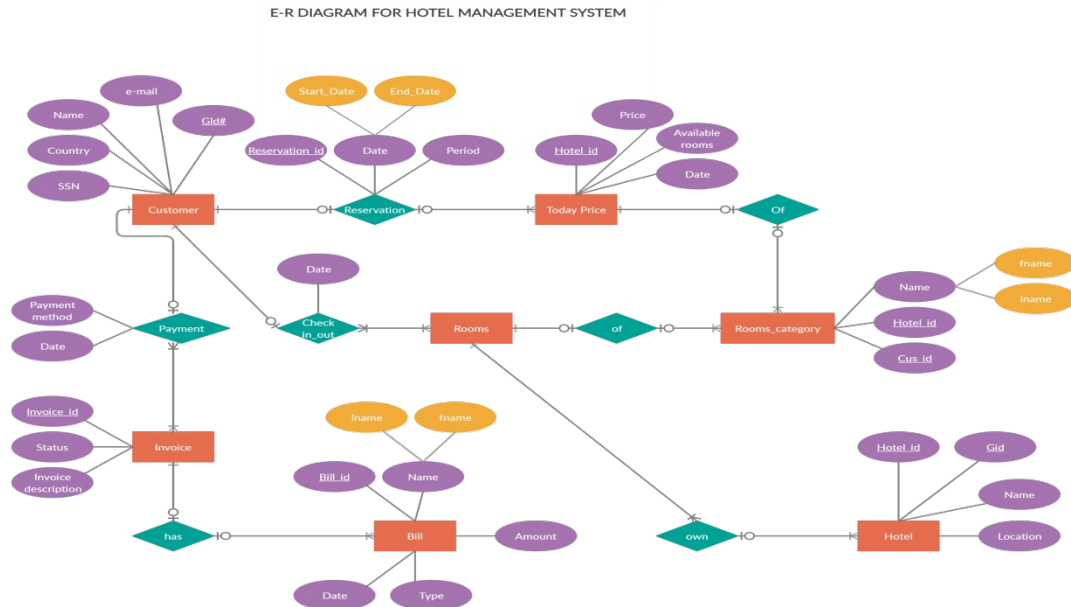
- To maintain (Enter, Update and Delete) data on rooms
- To maintain (Enter, Update and Delete) data on Customer
- To maintain (Enter, Update and Delete) data on Managers
- To maintain (Enter, Update and Delete) data on Customer Activities
- To maintain (Enter, Update and Delete) data on Bookings
- To maintain (Enter, Update and Delete) data on Finance

Hotel Management System

- 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

Hotel Management System

1.1.3 ER Diagram



1.1.4 Views

There is only one view in our Systems

1.2.Task Assign to Members

1.2.1 Abdul Haseeb Khan And Khanzada Haider Ali:

Abdul Haseeb Khan and Khanzada Hadier will design and develop the Login Functionalites in Our Hotel Managemnt System by interacting with database to validate the user. This task does not include any java program or moduling. It's purely SQL related. We will be able to finish our tasks in the project as soon as we learn the queries required to do our task. Our task includes the handling of making of new Ids by the users. This includes first time making of a new id which includes unique usernames as provided by the user and the password. After making of the new ids the users can log in through the data they provided. This will include cross checking of the usernames and passwords across the ids of the users. Our work will take almost a week if we know the certain queries which we will learn as the classes go by.

Mission Objectives:

- To maintain (Enter, Update and Delete) data on Customers
- To maintain (Enter, Update and Delete) data on Managers

Hotel Management System

- To maintain (Enter, Update and Delete) data on Employees

MAJOR USER VIEW (UI PROTOTYPES)

Hotel Management System

Username

Password

Sign In

Sign Up

Forgot Password?

Make an account

Email

example: abc@gmail.cor

Username

Choose a username

Phone Number

example: +921234567

Password

Confirm Password

Designation

Customer



Make an Account

Cancel

Recover Your Account

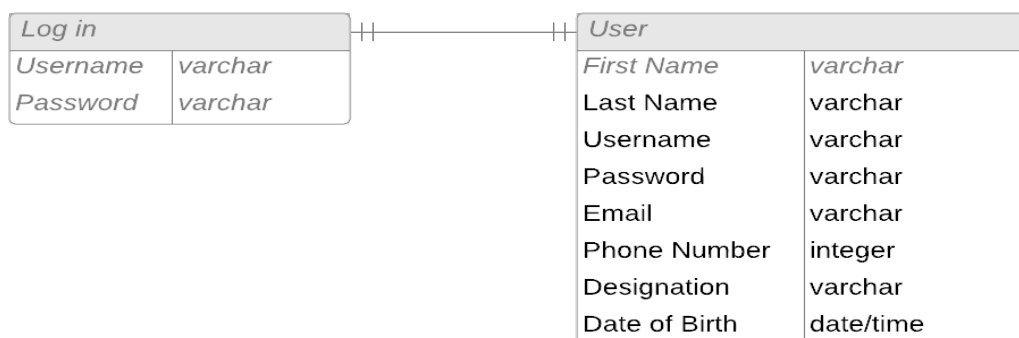
Enter your mail

example123@gmail.com

Send Mail!

Cancel

ER DIAGRAM:



1.2.2 Ashfaq Rahim And Hasssan Shah Nawaz

Mission objective modules of our project:

Develop and design the dashboard functionalities after user will login the system.

SCOPE:

We want to choose the metrics that matter. We want to keep it visual. We want to make it interactive for collaboration. We want to pull data from all sources to get the full picture and keep the dashboards up to date or refreshed. And, finally, we want to make it simple to access and easy to use.

TIME AND COMPLEXITY:

The time taken for developing and designing dashboard is 2 months. Building an effective dashboard according to best practices for dashboard design is the culmination of a comprehensive process that would usually include gathering requirements, defining, and creating a data model. However, the importance of proper dashboard design should not be understated. Poorly designed dashboards could fail to convey useful information and insights and even make the data less comprehensible than it was originally.

MISSION STATEMENT:

The mission of our hotel is to provide outstanding lodging facilities and services to our guests. Our hotel focuses on individual business and leisure travel, as well as travel associated with groups meetings. we emphasize high quality standards in our rooms and food and beverage divisions. We provide a fair return on investment for our owners and recognize that this cannot be done without well trained , motivated and enthusiastic employees.

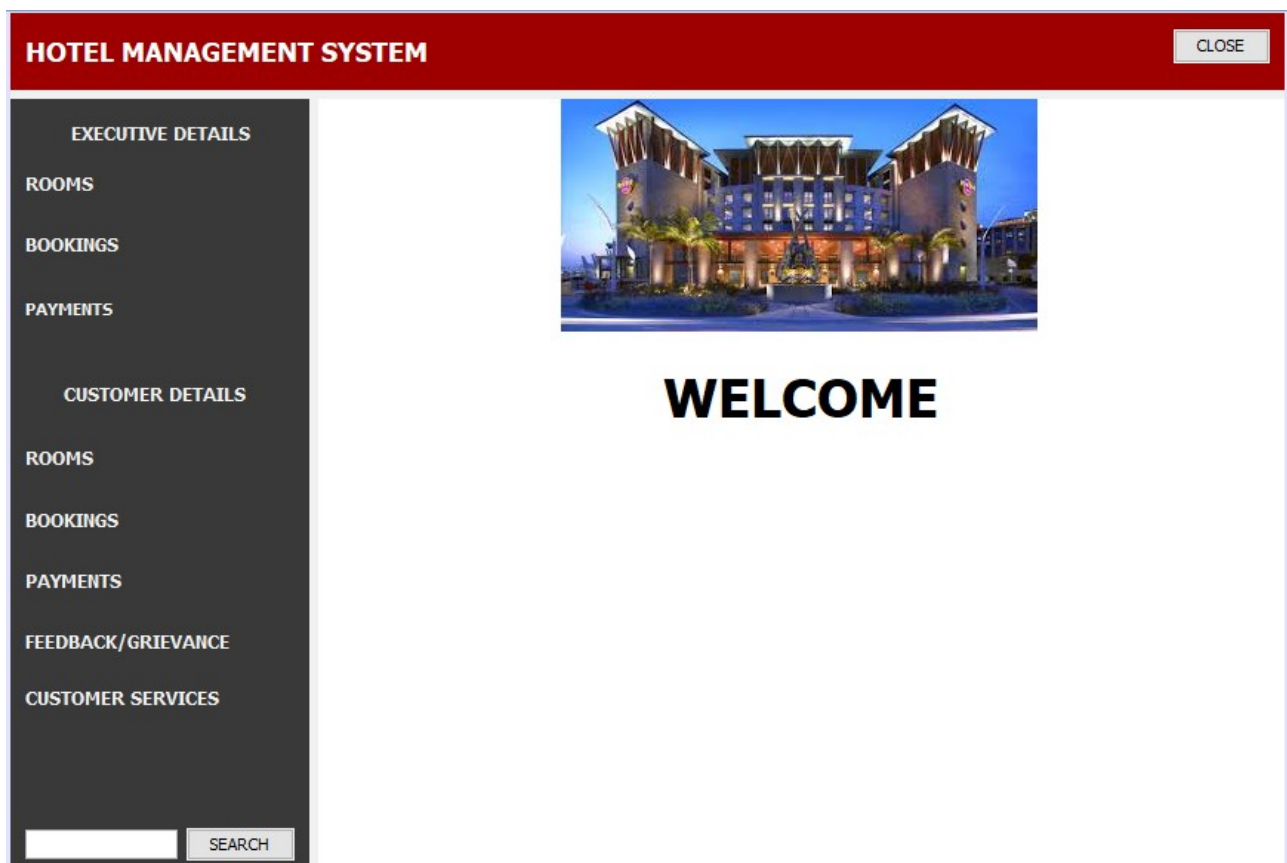
MISSION OBJECTIVE:

- 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 Bookings
- To maintain (Enter, Update and Delete) data on Payment
- To Search on rooms
- To Search on Customer
- To Search on Bookings
- To Search on Payment
- To track on Rooms
- To track on Customers

Hotel Management System

- To track on Bookings
- To track on Payments
- To report on rooms
- To report data on Customer
- To report on Bookings
- To report on Payments

MAJOR USER VIEW (UI PROTOTYPE):



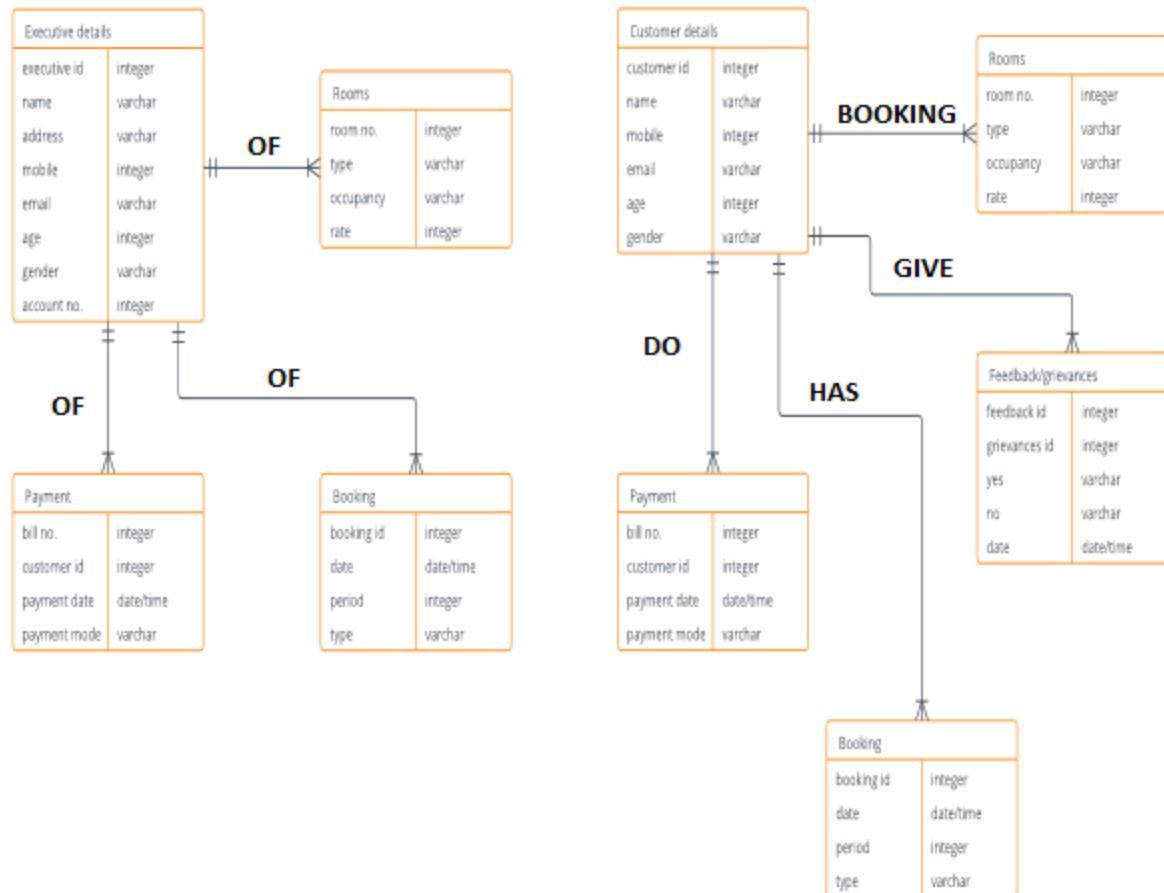
Reviewed by:

Fahad Afzal, Abdul Haseeb Khan

Comments:

All good.

DASHBOARD ER DIAMGRAM:



1.2.3 Fahad Afzal & Imad Ahmed

Task:

Hotel Management System

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.

Hotel Management System

Module:

Clients Residential module.

Scope:

We will create client's residential system. This module will help the client to make his/her choice of reservation easy. It will provide the client with the necessary information about suite and rooms which he/she needs to know.

Development Time:

This module will take about three (1) and a half month (1/2) to complete.

Mission Statement:

The purpose of Hotel Management System is to help stock 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 bookings and generate financial report.

Mission Objectives:

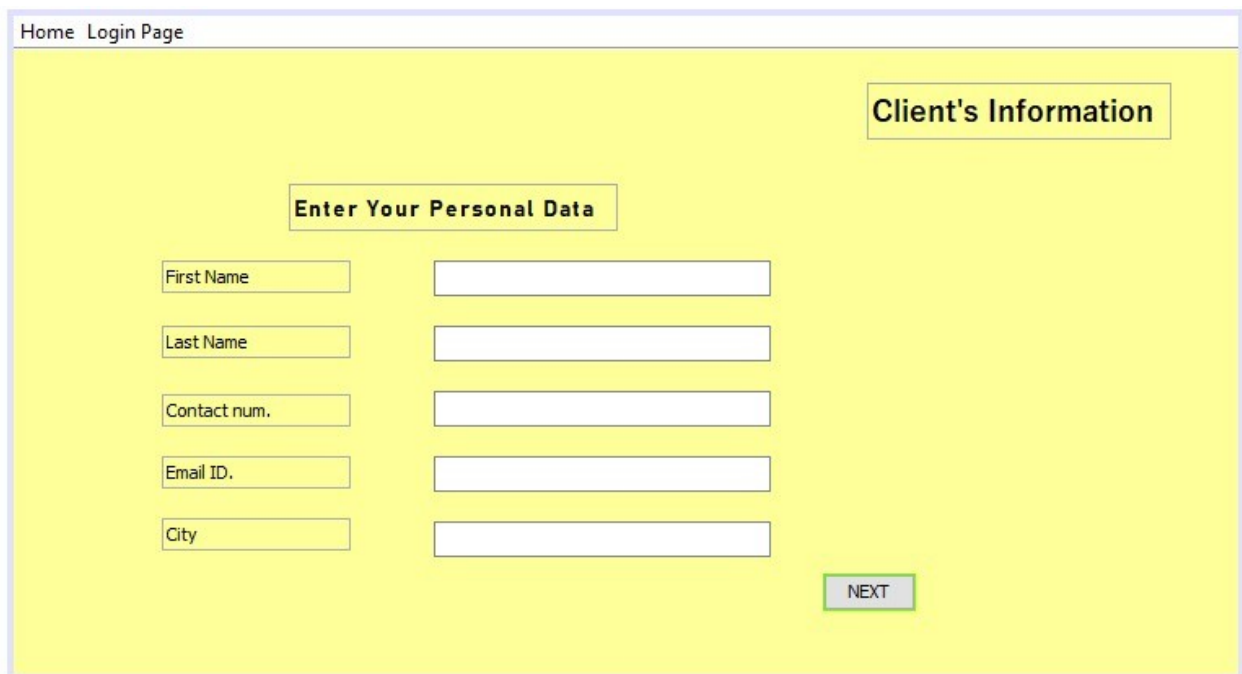
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- To maintain (Enter, Update and Delete) data on Customer activities.
- To maintain (Enter, Update and Delete) data on Bookings
- To maintain (Enter, Update and Delete) data on Free Rooms
- To maintain (Enter, Update and Delete) data on Booked Rooms
- To maintain (Enter, Update and Delete) data on Room Cancellation
- To Search on rooms
- To Search on Customer

Hotel Management System

- To track on Rooms
- To track on Client
- To track on Free Rooms
- To track on Booked Rooms
- To report on rooms
- To report on Bookings

Major User Views (UI Prototypes):

SCREEN # 01



The image shows a web form for client registration. At the top left, there is a navigation bar with 'Home' and 'Login Page'. The main content area has a yellow background. In the top right corner, there is a box labeled 'Client's Information'. In the center, there is a box labeled 'Enter Your Personal Data'. Below this box, there are five rows of input fields. Each row has a label on the left and an input field on the right. The labels are 'First Name', 'Last Name', 'Contact num.', 'Email ID.', and 'City'. The input fields are empty. At the bottom right of the form, there is a green button labeled 'NEXT'.

Home Login Page

Client's Information

Enter Your Personal Data

First Name

Last Name

Contact num.

Email ID.

City

NEXT

SCREEN # 02

Hotel Management System

Home Login Page

Room Reservation

Room Type

☐ Family Room

☐ Suite

☐ Single Bed Room

☐ Double Bed Room

☐ King Size BedRoom

Previous Next

SCREEN # 03

Home Login Page

Transaction Method

Select Your Payement met

☐ Cash

☐ Credit Card

☐ Chequebook

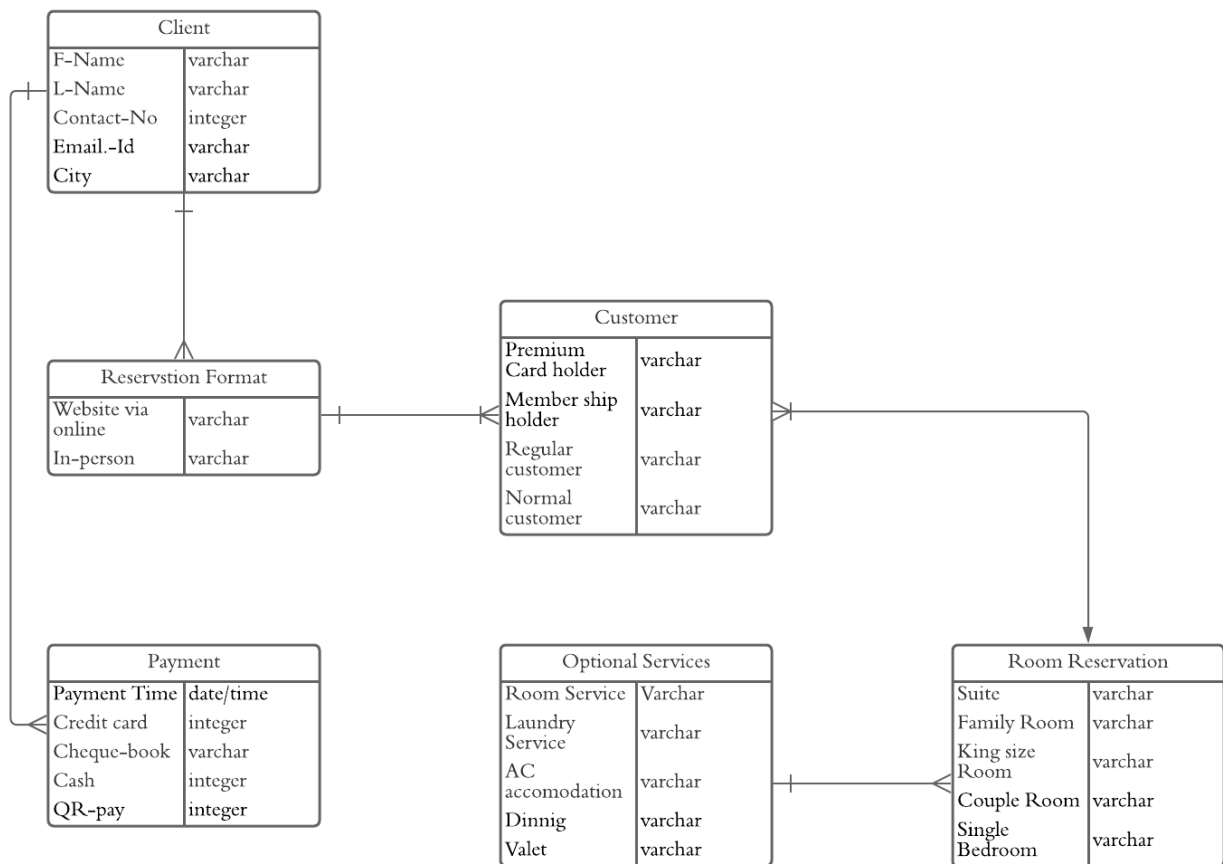
☐ QR Pay

Previous Next

<https://drive.google.com/drive/folders/1cusMrL4aN9Ka1rHQJHrPJGaGrRky1nZS?usp=sharing>

ER-Diagram:

Hotel Management System



.....xxxxxxxxxTHE-ENDxxxxxxxxx.....

1.2.4 Hassan Ali Jadoon, Awais 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:

Hotel Management System

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

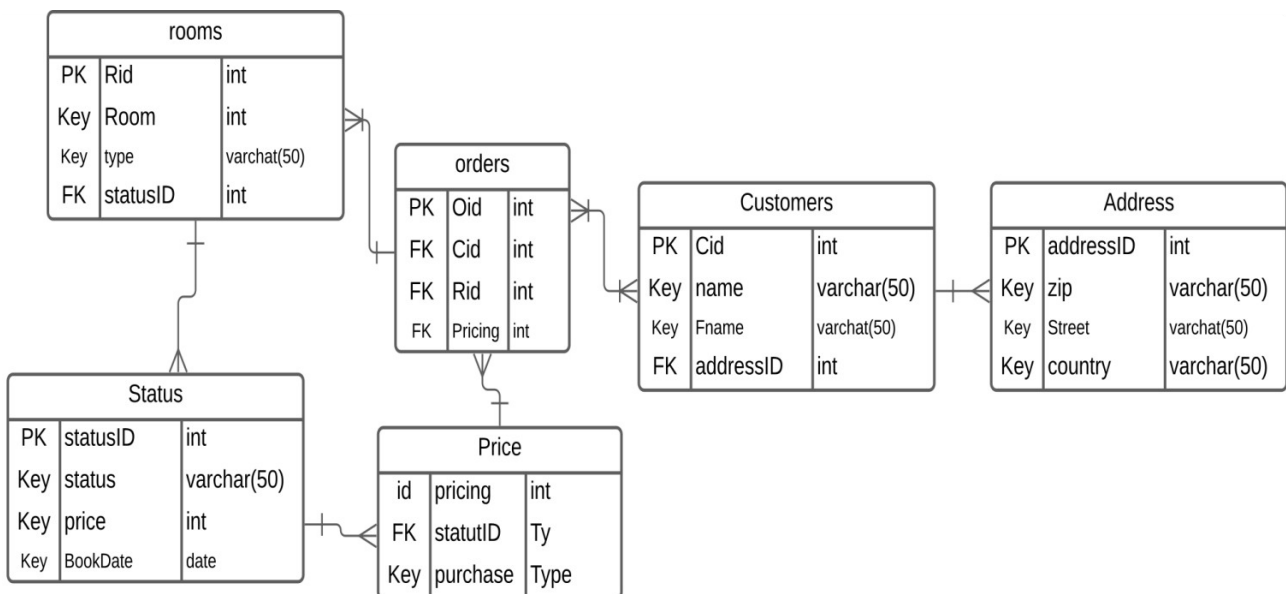
Major Views:

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

ER-Digram



Prototype

Hotema Finance Area

Monthly revenue

TextField1

Weekly Revenue

TextField1

Daily Revenu

TextField1

Year Revenue

TextField1

| Room | Status | Revenu | Price | Monthly ... |
|------|--------|--------|-------|-------------|
|------|--------|--------|-------|-------------|