1. Hotel Management System....2
1.1. Database Planning....2
1.1.1 Mission Statement....2
1.1.2 Mission Objective of Database....2
1.1.3 ER Digram....3
1.1.4 Views....4
1.2. Task Assign to Members....4
1.2.1 Abdul Haseeb Khan And Khanzada Haider Ali:....4
1.2.2 Ashfaq Rahim And Hasssan Shah Nawaz....8
1.2.3 Fahad Afzal & Imad Ahmed....11
1.2.4 Hassan Ali Jadoon, Awais And Sardar Badar....14
1.2.5 Mission Statement....15
1.2.6 Mission Objective of Database....15
ER-Digram....16
Prototype....17

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
- 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

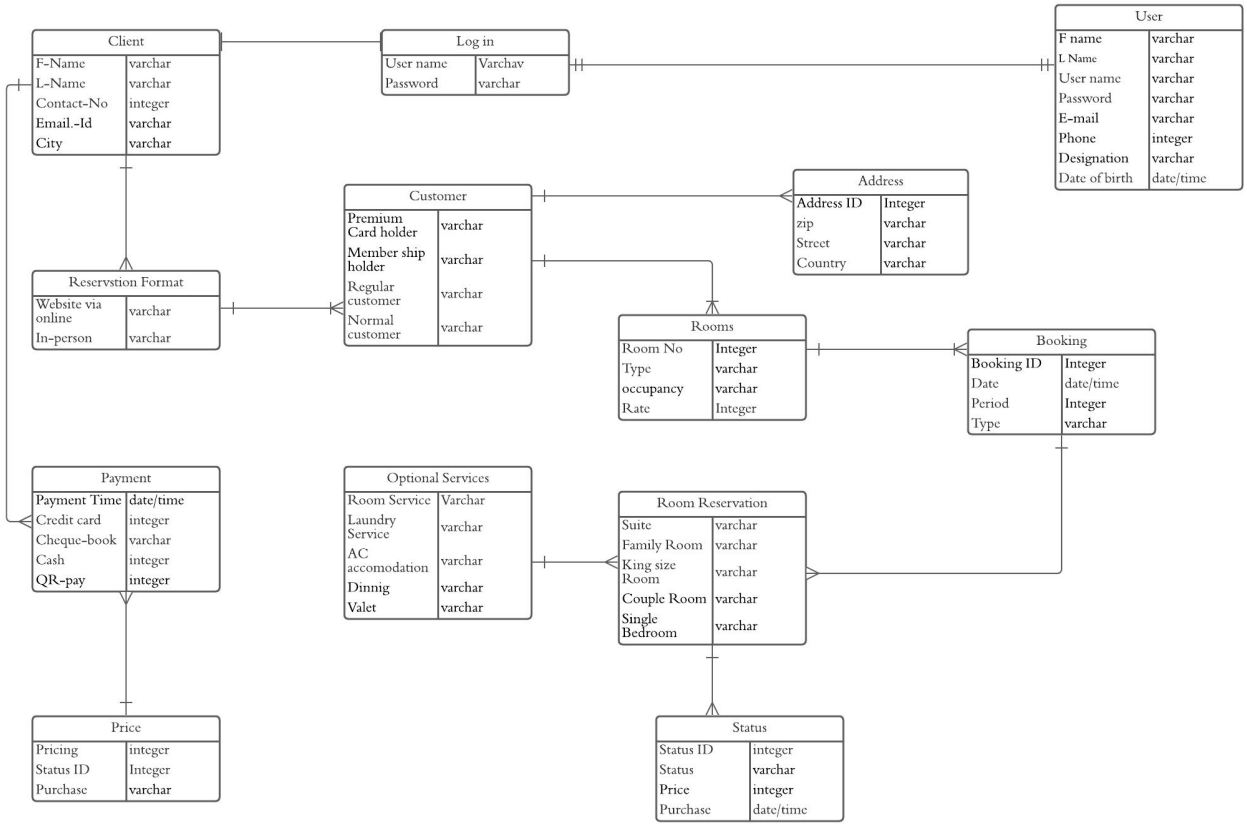
To report on Bookings

To report on Finance

To report on Branch

To report on Employees

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 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.

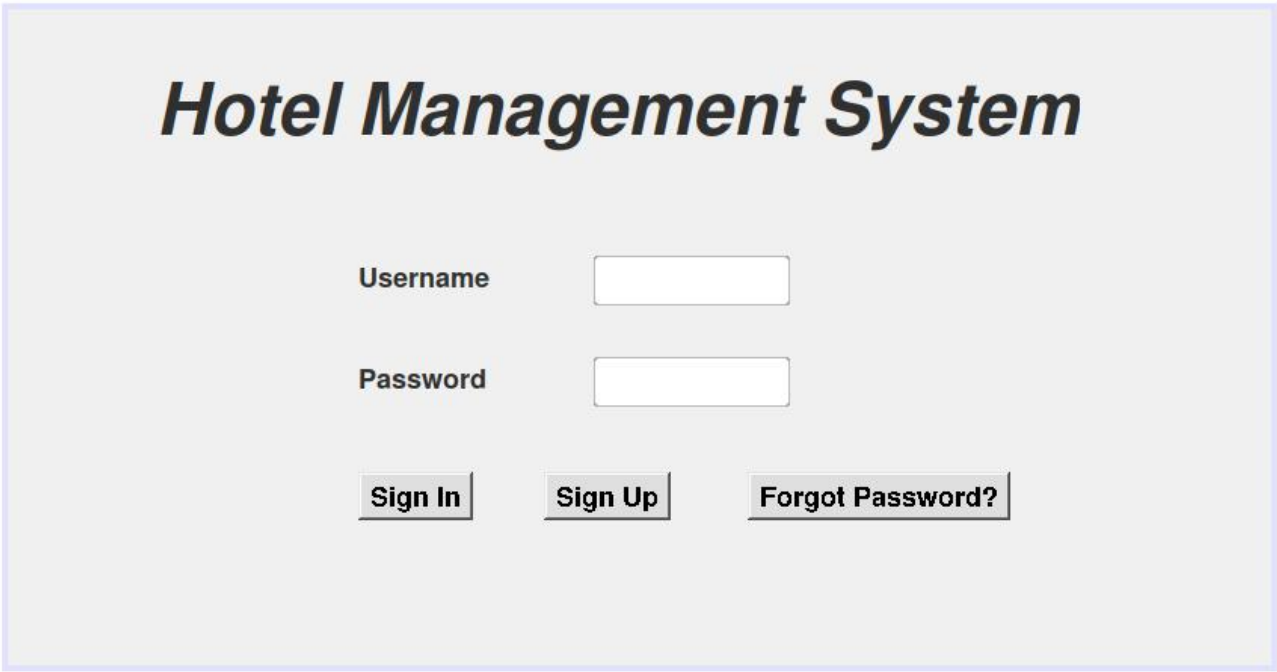
Mission Objectives:

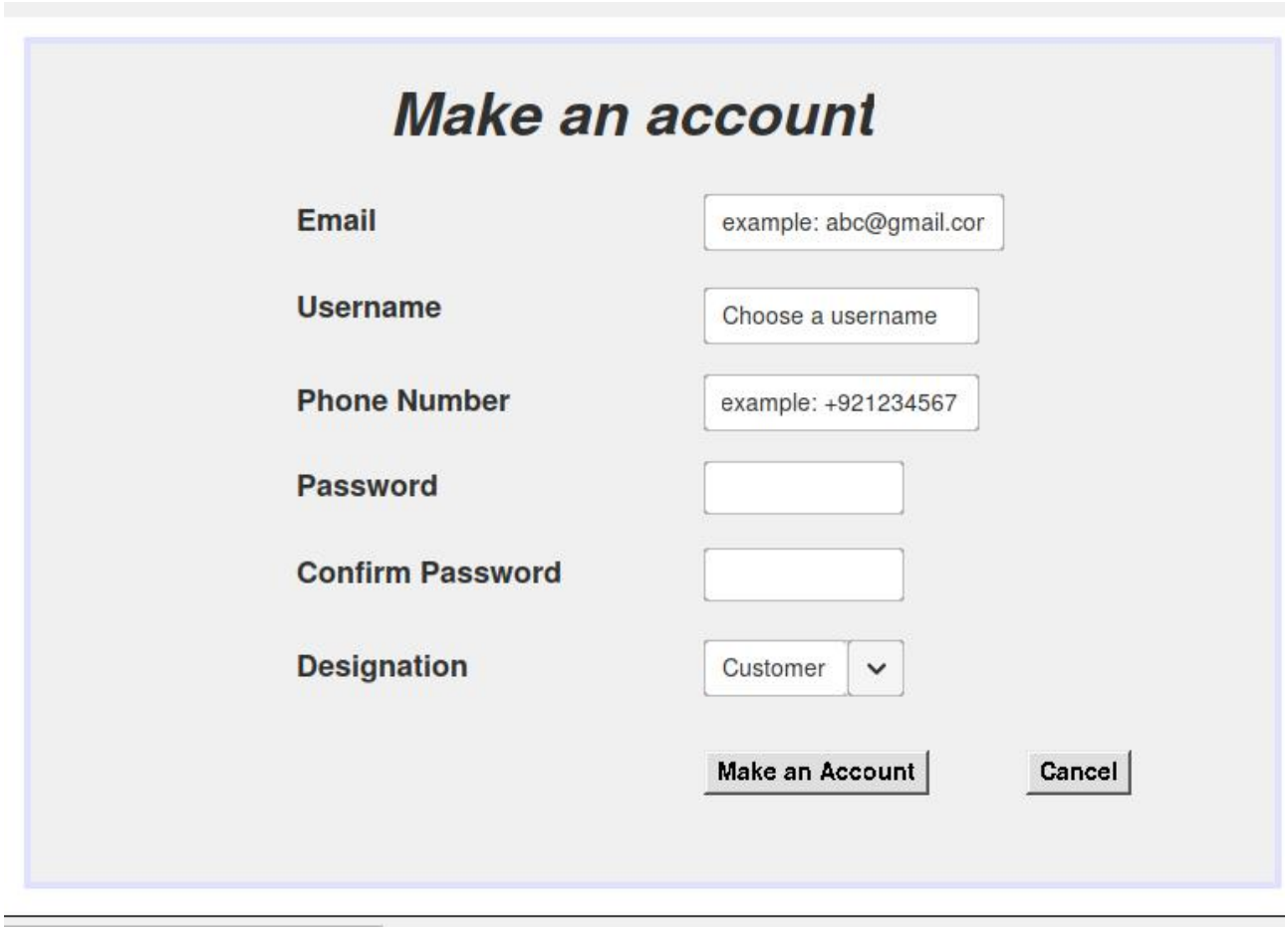
To maintain (Enter, Update and Delete) data on Customers

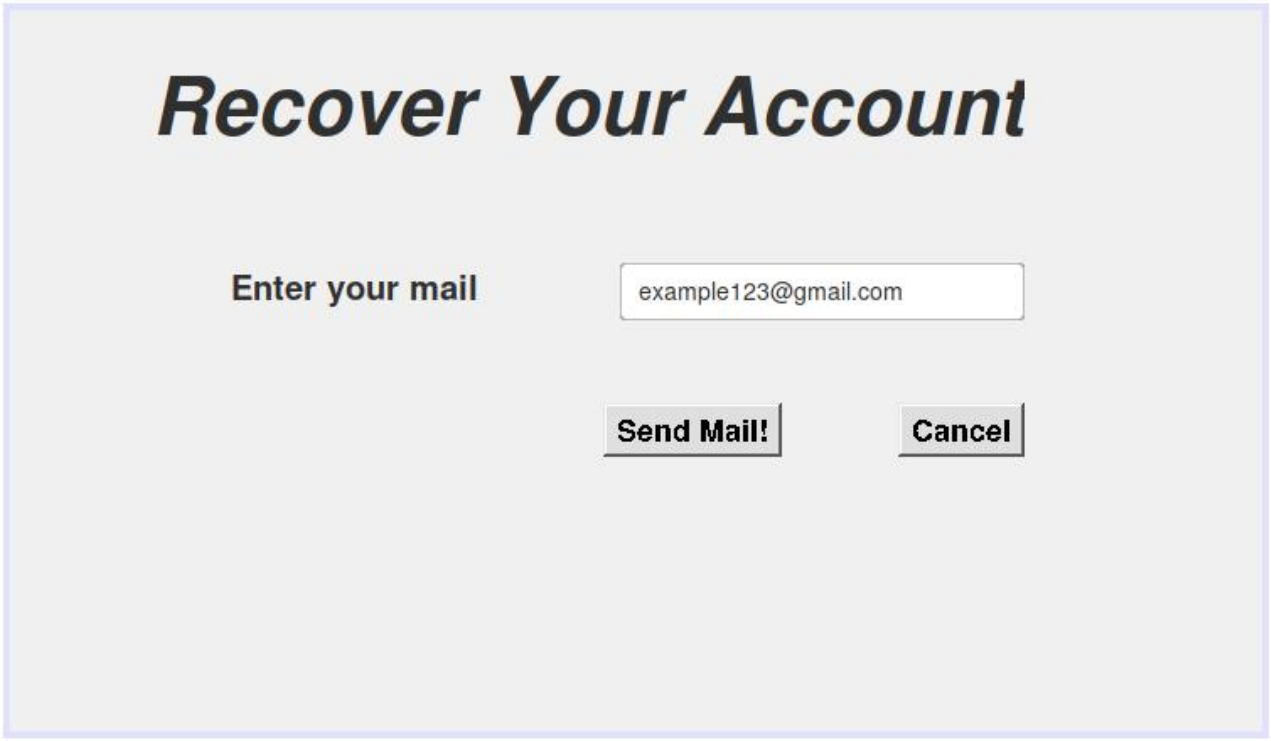
To maintain (Enter, Update and Delete) data on Managers

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

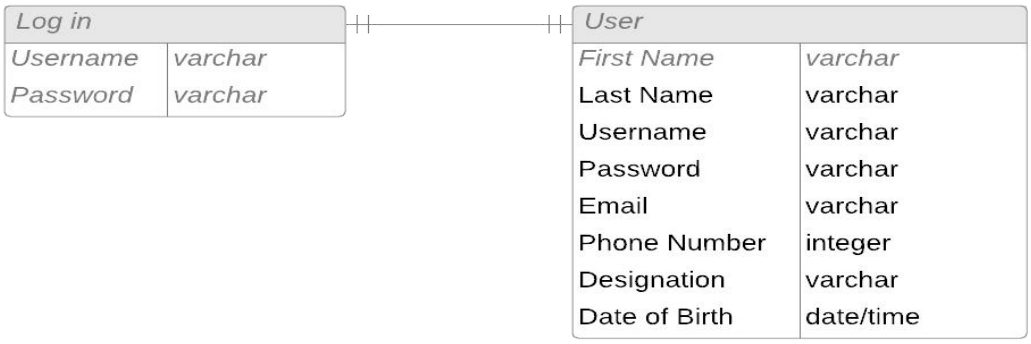
MAJOR USER VIEW (UI PROTOTYPES)




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:


Log in
Username varchar
Password varchar
User
First Name varchar
Last Name varchar
Username varchar
Password varchar
Email varchar
Phone Number integer
Designation varchar
Date of Birth date/time

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

To track on Bookings

To track on Payments

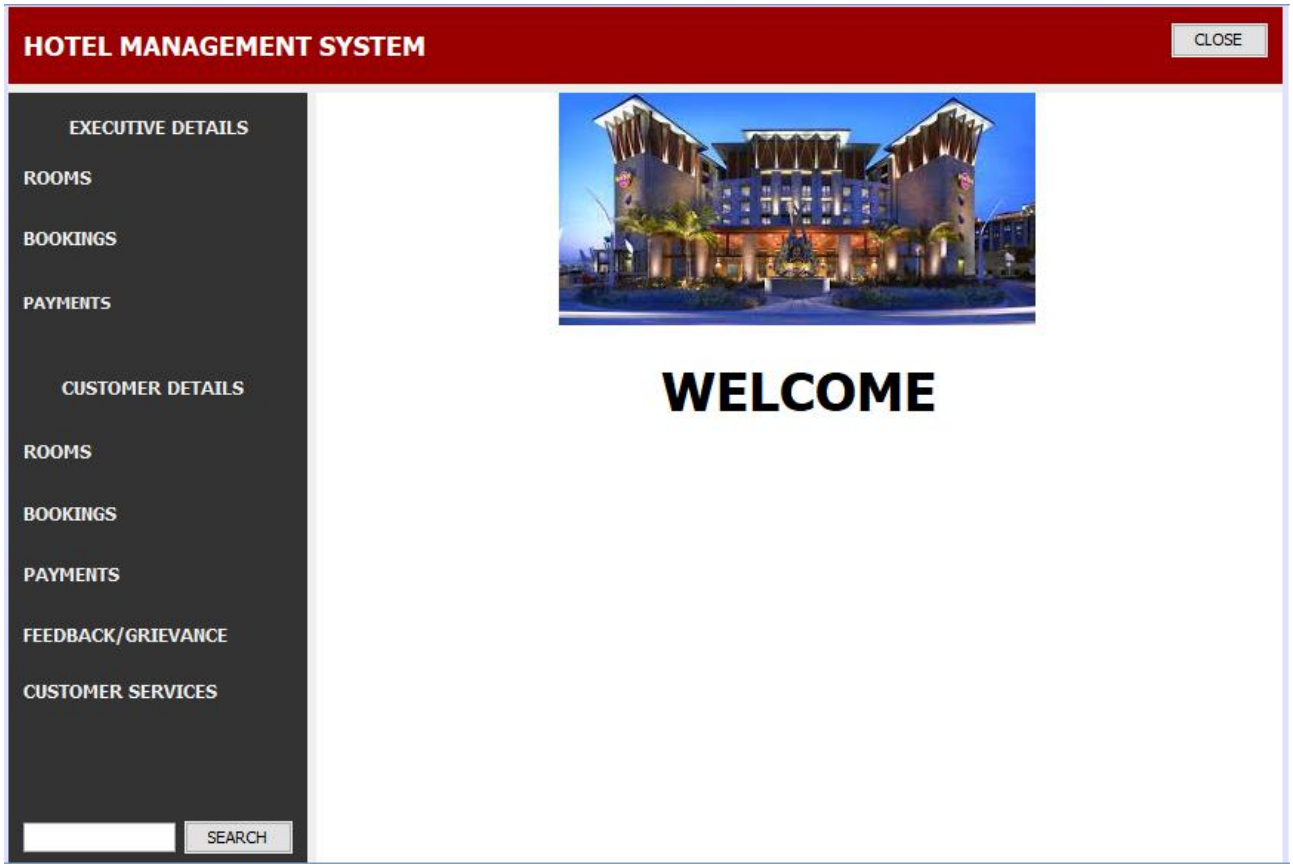
To report on rooms

To report data on Customer

To report on Bookings

To report on Payments

MAJOR USER VIEW (UI PROTOTYPE):



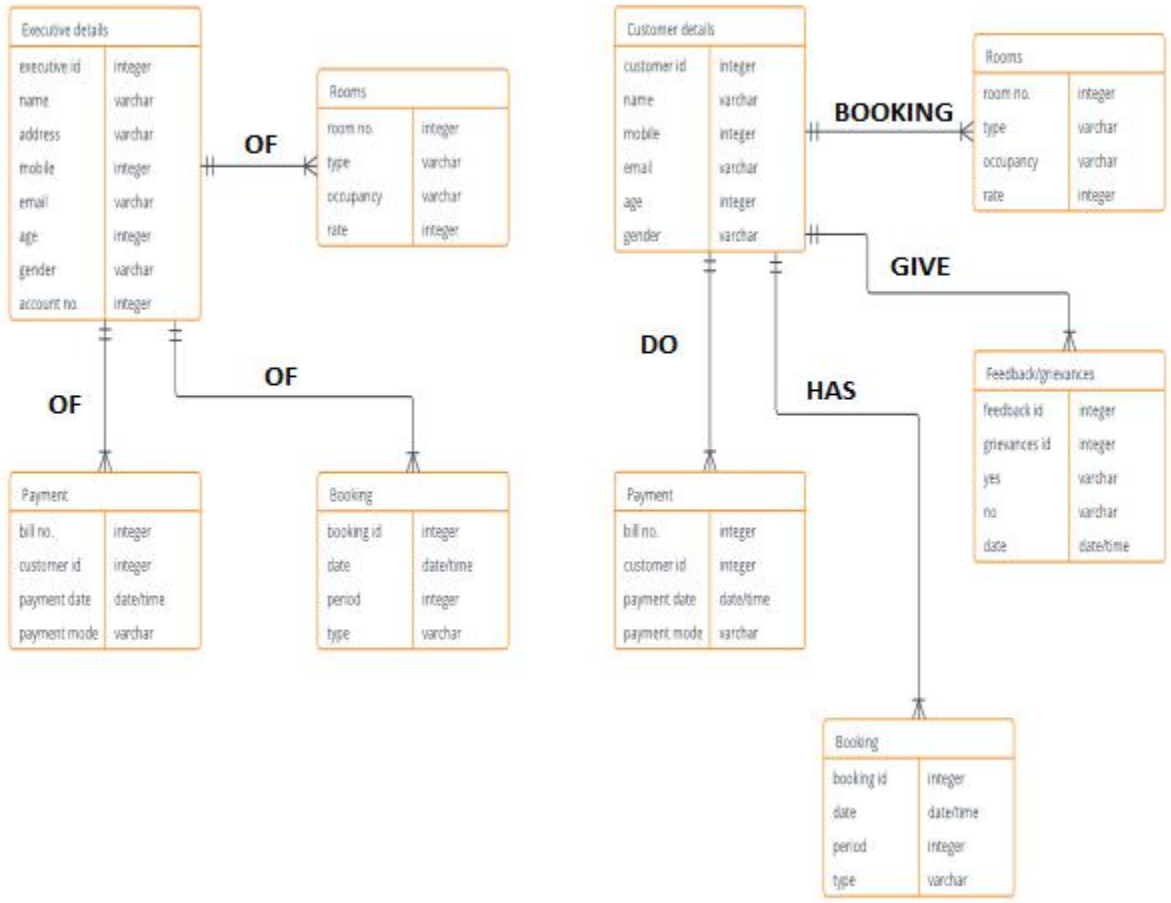
Reviewed by:

Fahad Afzal, Abdul Haseeb Khan

Comments:

All good.

DASHBOARD ER DIAMGRAM:



1.2.3 Fahad Afzal & Imad Ahmed

Task:

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 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 bookings and generate financial report.

Mission Objectives:

To maintain (Enter, Update and Delete) data on rooms.

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

To track on Rooms

To track on Client

To track on Free Rooms

To track on Booked Rooms

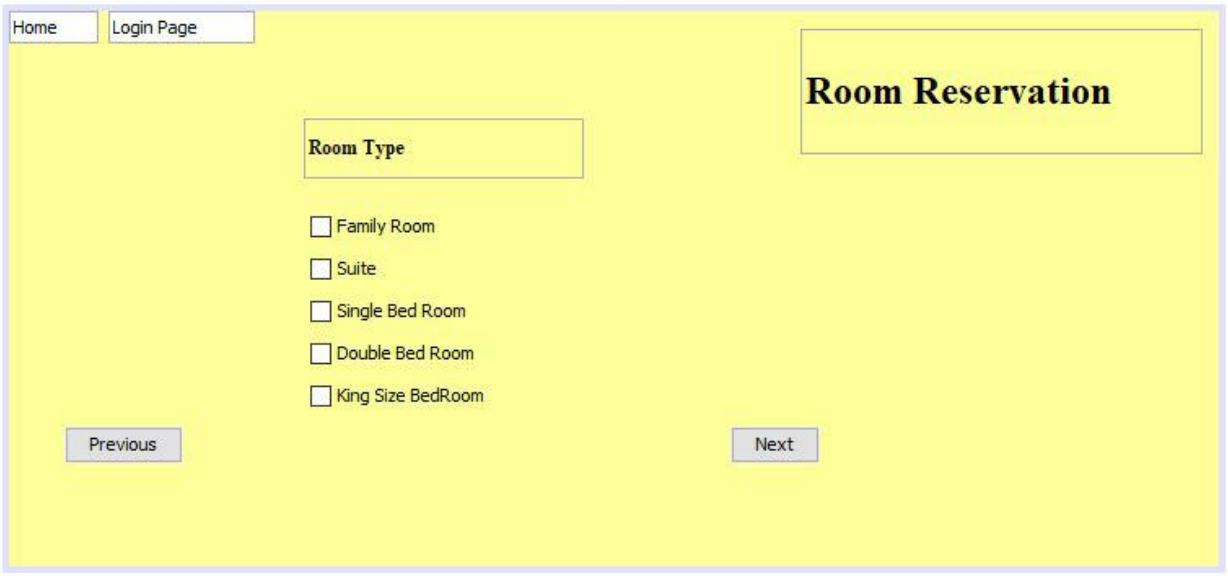
To report on rooms

To report on Bookings

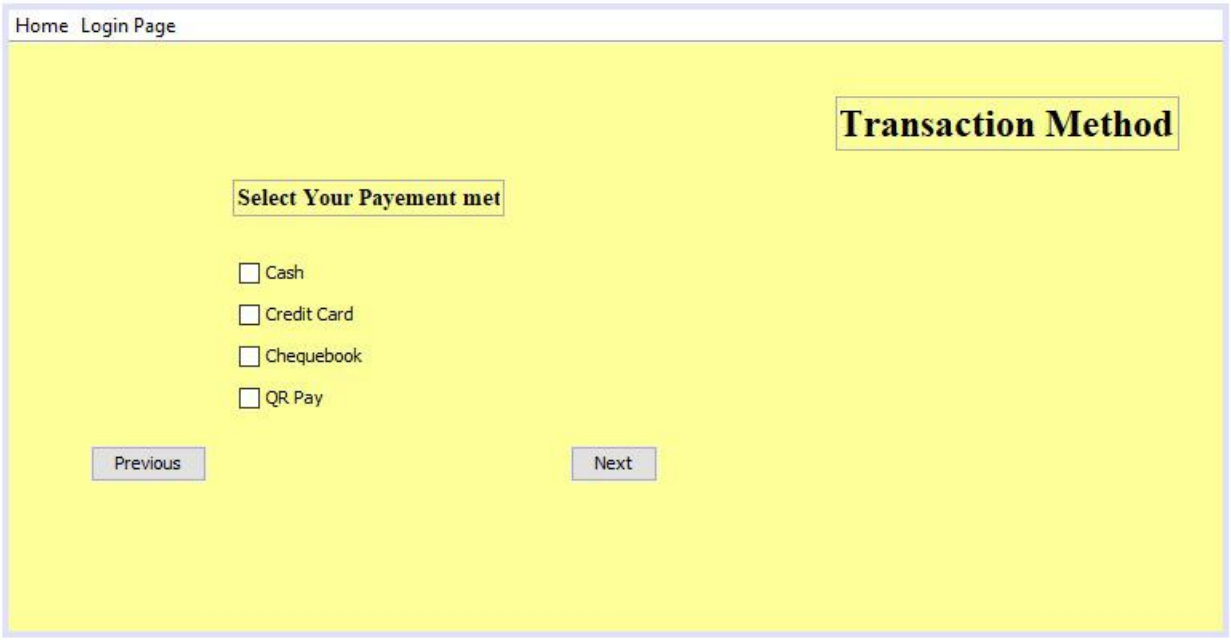
Major User Views (UI Prototypes):

SCREEN # 01

SCREEN # 02

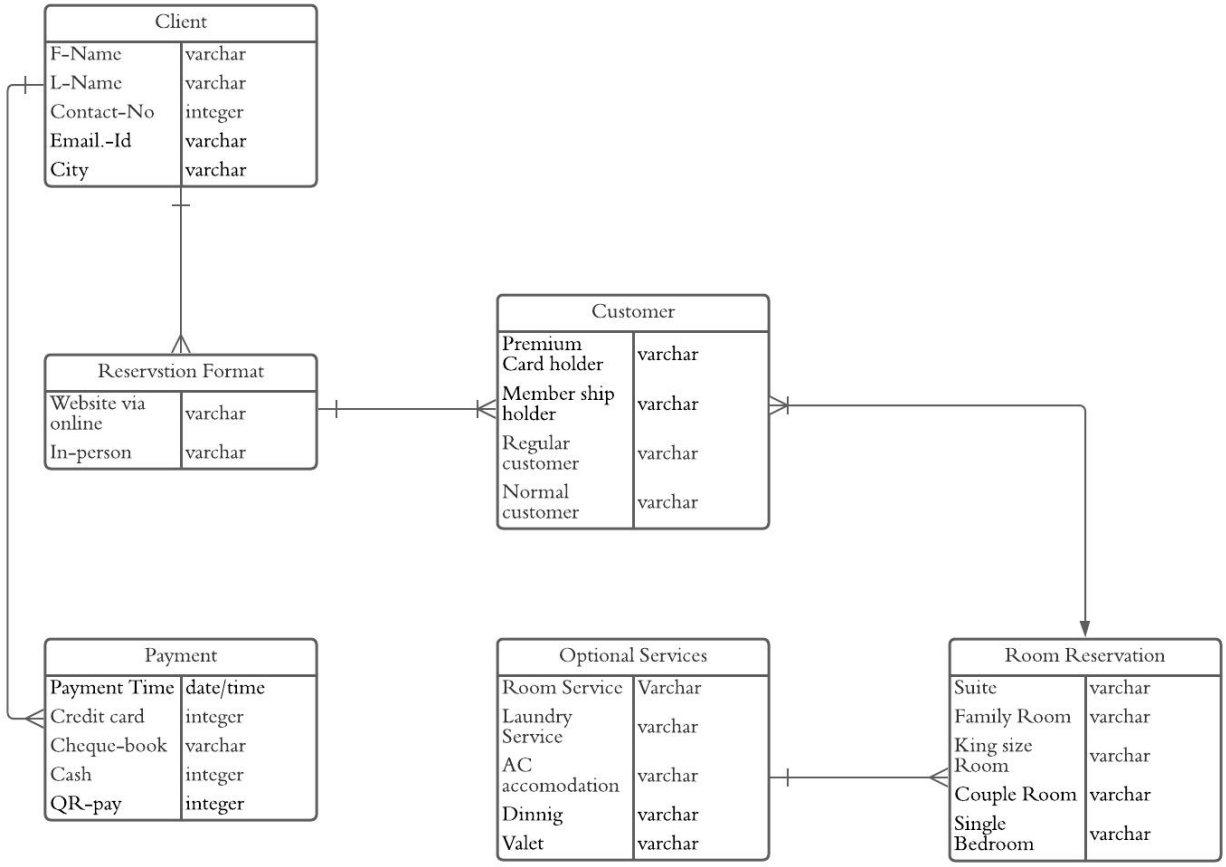


SCREEN # 03



https://drive.google.com/drive/folders/1cusMrL4aN9Ka1rHQJHrPJGaGrRKy1nZS?usp=sharing

ER-Diagram:



.....xxxxxxxxxxTHE-ENDxxxxxxxxxx.....

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 1 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 Statement

".The system will keep track of the rooms and generate information related to finance, Generate financial report."

Mission Objective of Database

Mission Objective of the database is

Badar Mission Objectives:

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 report on Annual Finance

Awais Mission Objectives

To maintain (Enter, Update and Delete) data on Customer

To maintain (Enter, Update and Delete) data on Orders

To maintain (Enter, Update and Delete) data on Wages

To report on Annual Finance

Hasssan Mission Objectives:

To maintain (Enter, Update and Delete) data on rooms

To track on Rooms

To track on Free Rooms

To report on Annual Finance

Major Views:

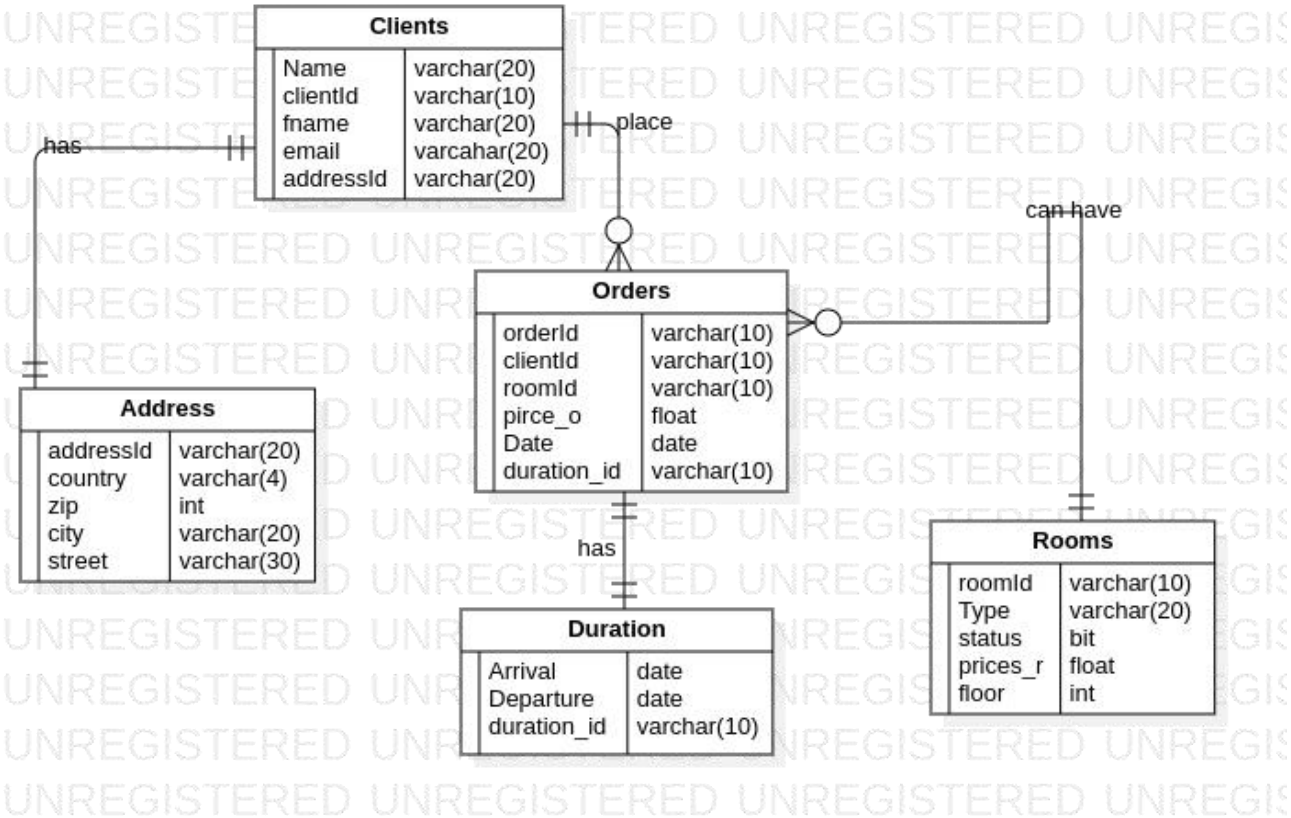
For the sake of simplicity, we are dealing with one major view.

Conclusion:

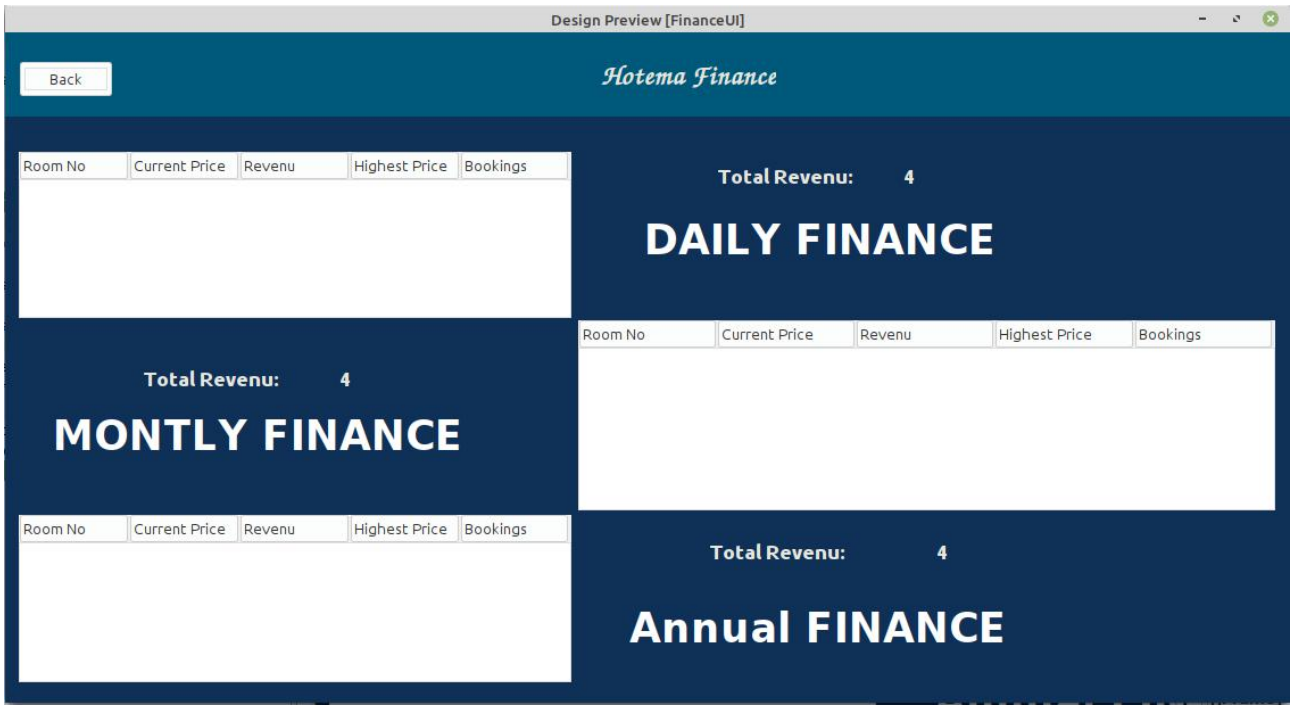
Although we deal with data financial module of app but it will take about 1 months due to wide range of complexity we will face learning framework like swing and OOP concepts as well

ER-Digram

By using Start UML Evaluation version



Prototype


Design Preview [FinanceUI]
Back
Hotema Finance
Room No
Current Price
Revenu
Highest Price
Bookings
Total Revenu: 4
DAILY FINANCE
Room No
Current Price
Revenu
Highest Price
Bookings
Total Revenu: 4
MONTLY FINANCE
Room No
Current Price
Revenu
Highest Price
Bookings
Total Revenu: 4
Annual FINANCE

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