Hotel management System

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introduction

One portal to do it all is what we're going for with this project . A hotel

management system for both customers, residents and staff members

with features to serve them all.

Sign up!

On signing up as a customer you will be transferred automatically to all that

matters for you.

You will be asked to enter the date of your stay then go and check out the free

rooms , the prices of them and even some pictures of them.

Rating🌟🌟🌟🌟🌟

Not sure what room to pick?

Well, We introduce a rating feature that surely will help you with your choice.

Don't forget to leave a rating yourself to help out fellow future visitors!

Billing

No need to think about tips anymore as everything is gonna be generated

online using our online bill generation system.

The steps are straightforward just pick a room and how many night you finna

spend there and viola! Your bill is right here.

Admin

Signing up as an administrator or a manager on the other hand will grant you

the access to all the rooms , adding new ones , adding new information about

each room.

You can also manage your staff right from the website!

Staff Management

As a manager you have the access to track how staff is doing ,their salary and their worked hours. You can also give them bounces if they are up to their tasks or just fire them if they are getting on your nerve.
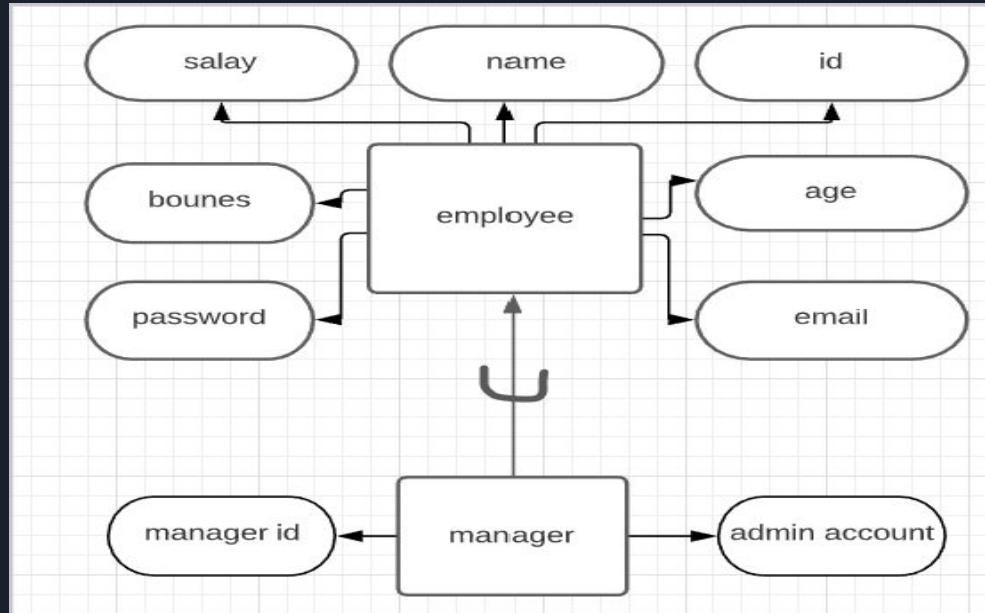
UI

Everything in the portal will be handled in an interactive graphical user interface Which is easy to use for both the manager, the staff and most importantly the clients.
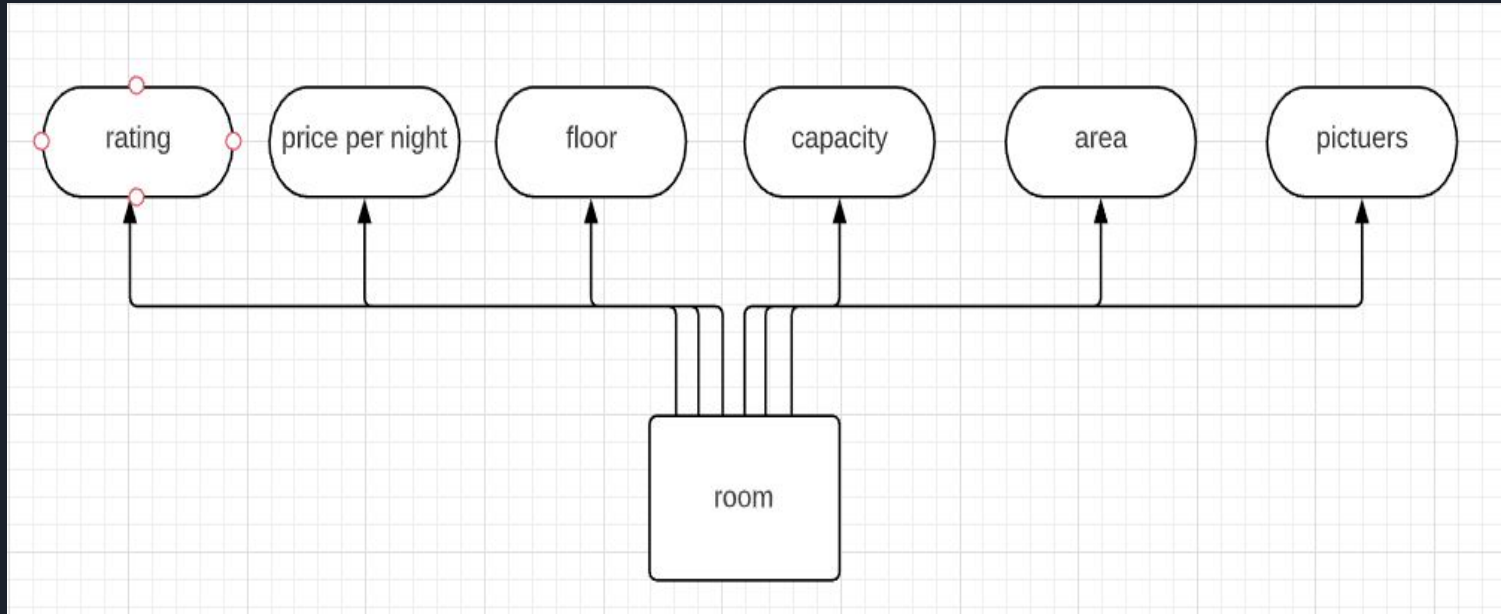
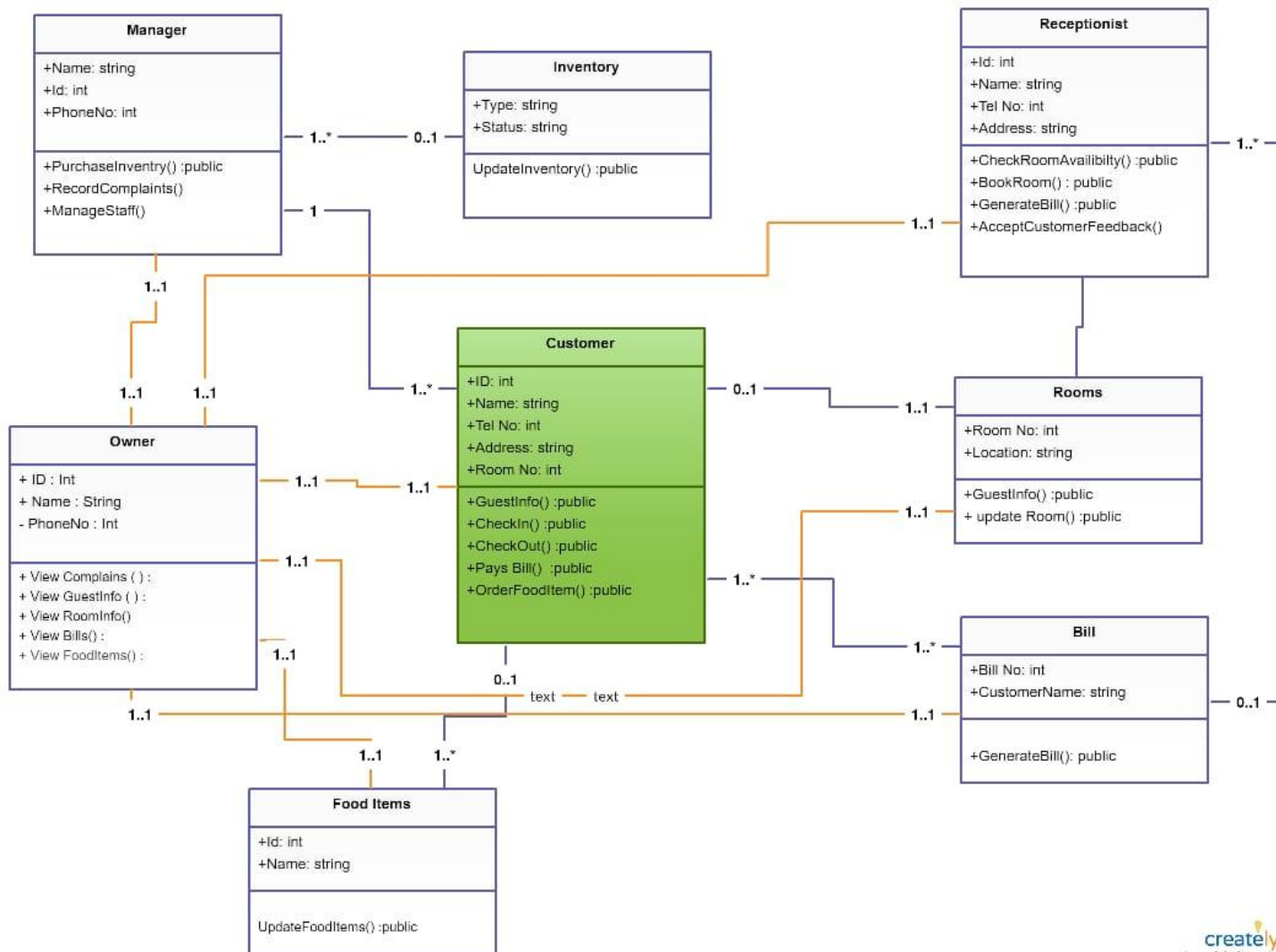The UI will be eye catching for the customers.

A simple EER Diagram of how the employee-manager database is made

What an entity of a type room has in it.

UML

Manager

+Name: string
+Id: int
+PhoneNo: int

+PurchaseInventry() :public
+RecordComplaints()
+ManageStaff()

Inventory

+Type: string
+Status: string

UpdateInventory() :public

Receptionist

+Id: int
+Name: string
+Tel No: int
+Address: string

+CheckRoomAvailibilty() :public
+BookRoom() : public
+GenerateBill() :public
+AcceptCustomerFeedback()

Customer

+ID: int
+Name: string
+Tel No: int
+Address: string
+Room No: int

+GuestInfo() :public
+CheckIn() :public
+CheckOut() :public
+Pays Bill() :public
+OrderFoodItem() :public

Owner

+ ID : Int
+ Name : String
- PhoneNo : Int

+ View Complains ( ) :
+ View GuestInfo ( ) :
+ View RoomInfo()
+ View Bills() :
+ View FoodItems() :

Rooms

+Room No: int
+Location: string

+GuestInfo() :public
+ update Room() :public

Bill

+Bill No: int
+CustomerName: string

+GenerateBill(): public

Food Items

+Id: int
+Name: string

UpdateFoodItems() :public

1..*   0..1
1
1..1
1..1   1..1
1..1
1..1   1..1
1..*
0..1   0..1
1..1
1..1
1..*
1..1
1..1
1..*
1..*
1..1
0..1
text   text
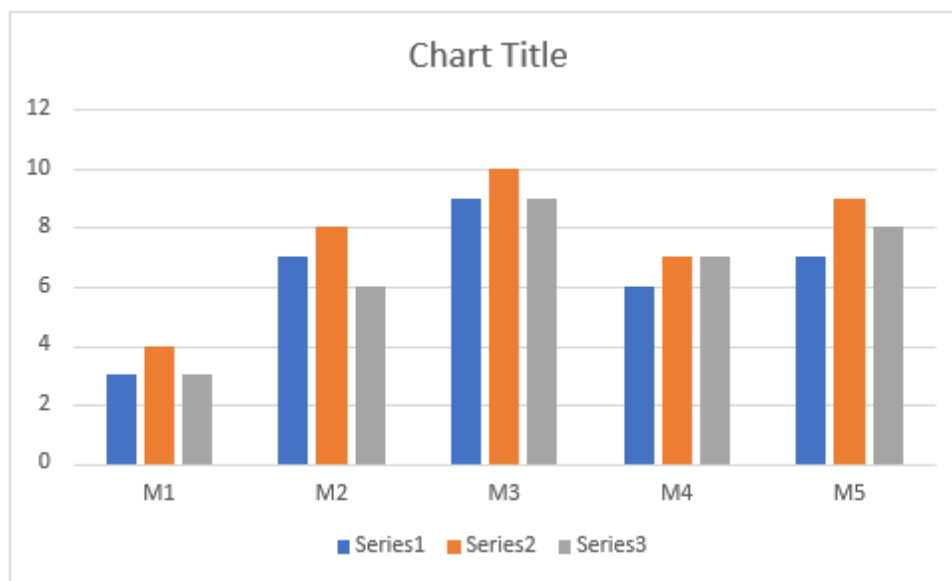1..1
1..1   1..*

creately

We asked random people about their opinions and here is what we got:

Managers:

we asked 5 managers and the questions are on a scale of 1 to 10 as following:

1. How excited are you to use our system?

2. How useful is it?

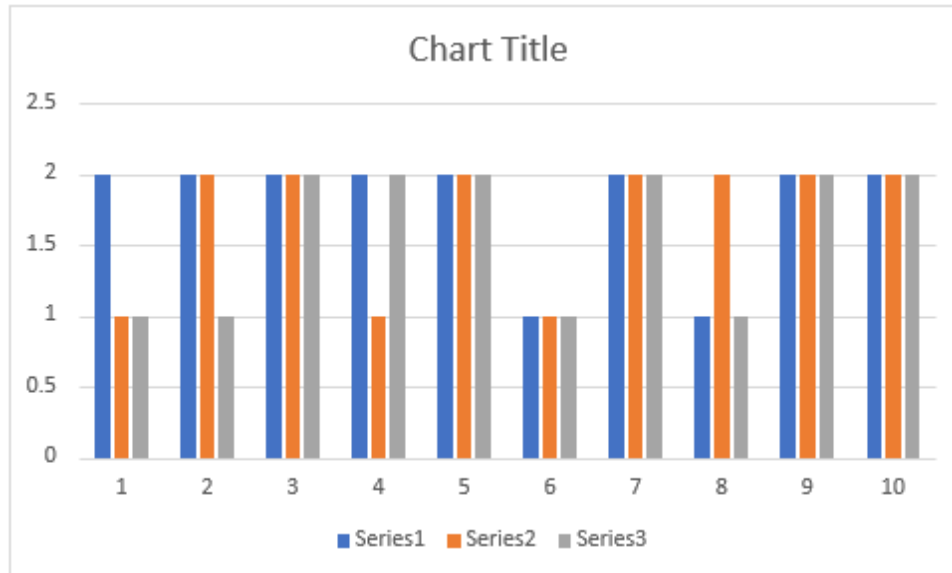3. How much would you use it to manager your hotel?

Series1 refers to question1, Series2 refers to question2, Series3 refers to question3

Employees:

We asked 10 employees

1.   Would you like to use our system to handle your work?

2.   Would you like your manager to supervise you by an online system?

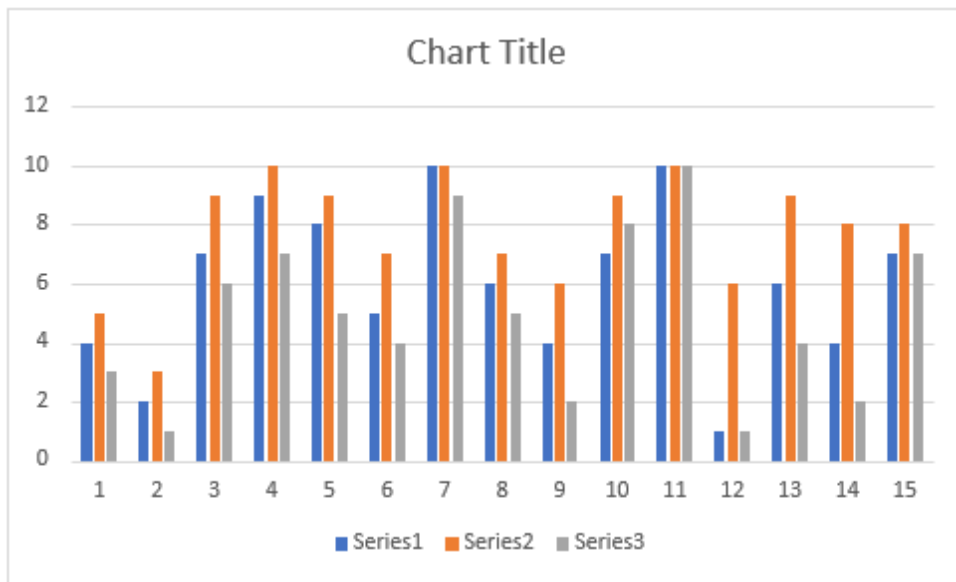3.   Would you like to get paid remotely by a system?
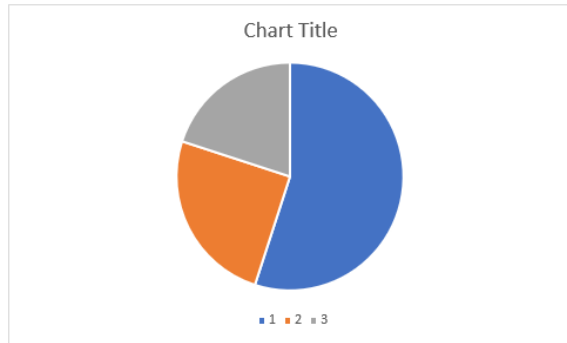
1 for no and 2 for yes

<u>Users:</u>

we asked 15 users and the questions are on a scale of 1 to 10 as following:

1. How much would you use our system to book your room?

2. How useful is it?

3. How much do you trust an online system to accomplish your needs?

we also asked them what they need the most in an online hotel system and here is what we found

Chart Title

■ 1 ■ 2 ■ 3

55% needed ratings (1)

25% needed reviews (2)

 20% needed comments section (3)