

A Project Report On

PG HOSTEL MANAGEMENT SYSTEM

-: Submitted By :-

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Acknowledgment

I wish to express my sincere gratitude to God for his protection, providence, guidance and above all, for sustaining us.

I would like to express our special thanks of gratitude to our professor 'Priti Mam' who gave me the golden opportunity to do this wonderful **project** on the topic '**PG Hostel Management System**' which also helped me in doing a lot of Research and gaining some precious.

INDEX

- **Introduction of Project**
- **Tools Used**
- **Input Output Screens**
- **Database Design**
- **Entity Relationship Diagram**

Introduction Of Project

The project, PG Hostel Management System is a desktop-based application that allows the PG owner to handle all PG activities online. Interactive GUI and the ability to manage various rooms, bed details, customers and their payment make this system very flexible and convenient. This application gives him the power and flexibility to manage the entire system from a single online system.

The Purpose of the whole process is to ease the daily or regular activities of the PG Hostel Management into an automatic computerized retrievable process. The daily activities includes the Room activities, Entering details of the new customer check in, To allocate a room as per the customer need and interest, Recording the checkout time and details, Releasing or Empty of room and to record the process in a computer system for future.

The application of the PG Hostel Management System bears the following functions to use by the Administrator:

- Add a new Room
- Add a new Customer
- Check room status
- Check all Customers details
- Update room status
- Check bed status and update
- Manage Customer (delete customer)

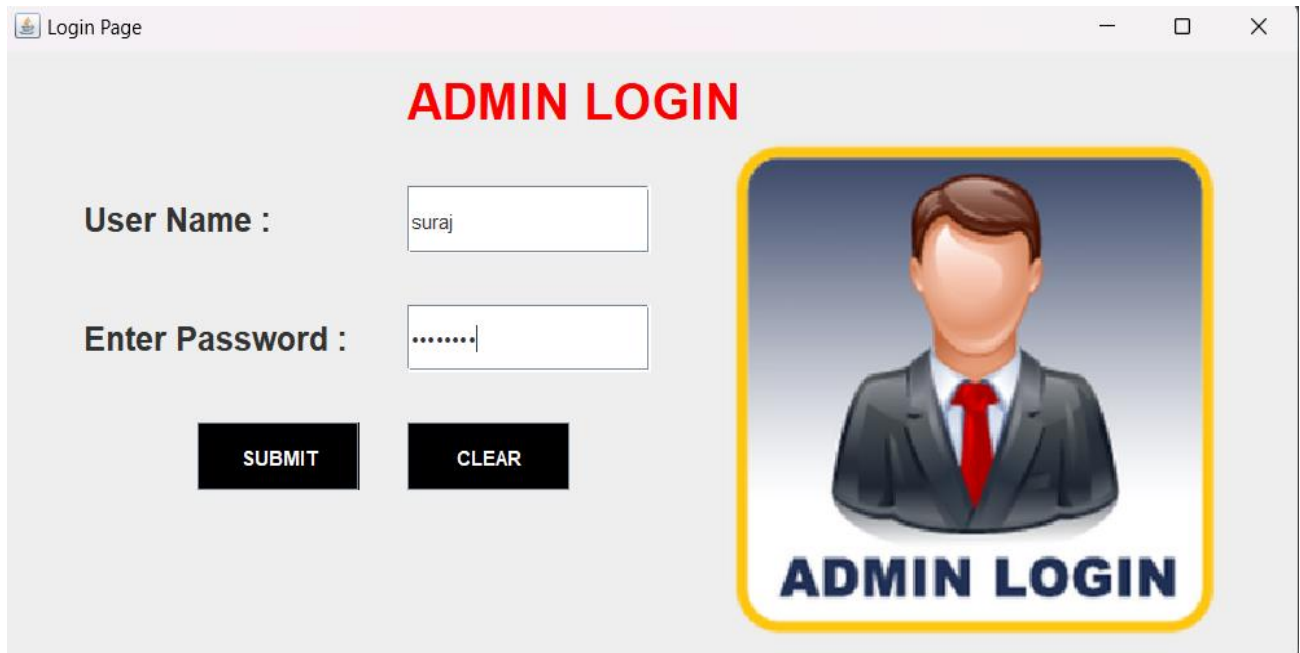
Tools Used

Software Requirements

- Operating System : Windows 11
- Programming Language : Java
- Frontend : Java Swing
- Backend : Java, MySQL (Database)
- IDE : IntelliJ IDEA Community Edition
- Version Control : GitHub

Input Output Screens

1.Login Page



The screenshot shows a web browser window titled "Login Page". The main heading is "ADMIN LOGIN" in red. On the left, there are two input fields: "User Name :" with the value "suraj" and "Enter Password :" with masked characters ".....". Below these are two black buttons labeled "SUBMIT" and "CLEAR". On the right, there is a large graphic of a man in a suit with the text "ADMIN LOGIN" below it, all enclosed in a yellow rounded rectangle.

ADMIN LOGIN

User Name :

Enter Password :

ADMIN LOGIN

2. Home Page



3. Add Customer

ADD CUSTOMER

Enter Name

Ajay Bade

Select Gender

☒ Male ☐ Female

Select Document

Aadhaar Card

Enter Aadhaar Card NO

874596321458

Enter Join Date

Sep 2, 2024

Enter Mobile NO

8830920415

Enter Address

At Beed,433249

Enter Room Type

2 Sharing

Basic Facilities are

Bed

* NOTE : Rent with basic facility : RS.10000

Check Facilities

Choose Facilities

☒ Lunch ☒ Laundry

NOTE : Rent with additional facility Laundry : RS.3000

NEXT

CLEAR

BACK



4. Allocate Room

ALLOCATE ROOM TO CUSTOMER

Available Rooms

102

Available Bed

R-102-B-01

The Deposit Amount RS.3000

☒ After clicking this you are accepting all Terms and Conditions

Terms and Conditions

The Monthly rent amount : 13000

Total Payable Amount : 16000

Please select payment option

☐ PhonePe/Gpay/UPI Payment

☒ Cash




SUBMIT

BACK

Payment

5. Search Customer


SEARCH CUSTOMER



Name	<input type="text" value="sham chaudhari"/>	Search Using Customer ID
Gender	<input type="text" value="Male"/>	<input type="text" value="369645871521"/>
Document NO	<input type="text" value="369645871521"/>	
Join Date	<input type="text" value="Sep 5, 2024"/>	
Mobile NO	<input type="text" value="8574963214"/>	
Address	<input type="text" value="pune,445634"/>	
Room NO	<input type="text" value="103"/>	
Bed ID	<input type="text" value="R-103-B-01"/>	
Payment Status	<input type="text" value="paid"/>	
Total Amount	<input type="text" value="14000"/>	

6. Manage Customer (Delete Customer)

SEARCH CUSTOMER



Name	<input type="text" value="suraj aghav"/>	Search Using Customer ID
Gender	<input type="text" value="Male"/>	<div><div>748596321404</div><div>369645871521</div><div>748596321404</div><div>874596321458</div><div>961574981532</div></div>
Document NO	<input type="text" value="748596321404"/>	
Join Date	<input type="text" value="Sep 6, 2024"/>	
Mobile NO	<input type="text" value="8549743563"/>	
Address	<input type="text" value="Anagar, 414002"/>	
Room NO	<input type="text" value="101"/>	
Bed ID	<input type="text" value="R-101-B-01"/>	
Payment Status	<input type="text" value="paid"/>	
Total Amount	<input type="text" value="15000"/>	

SUBMIT

REMOVE

BACK


Customer Deleted

SEARCH CUSTOMER



Name	<input type="text" value="sham chaudhari"/>	Search Using Customer ID
Gender	<input type="text" value="Male"/>	<input type="text" value="369645871521"/>
Document NO	<input type="text" value="369645871521"/>	
Join Date	<input type="text" value="Sep 5, 2024"/>	
Mobile NO	<input type="text" value="8574963214"/>	
Address		
Room NO		
Bed ID	<input type="text" value="R-103-B-01"/>	
Payment Status	<input type="text" value="paid"/>	
Total Amount	<input type="text" value="14000"/>	

Message

 Customer remove successfully

OK


SUBMIT

REMOVE

BACK


7.Update Customer

SEARCH CUSTOMER



Name	<input type="text" value="Ram Jadhav"/>	Search Using Customer ID
Gender	<input type="text" value="Male"/>	<input type="text" value="456321789652"/> ▾
Document NO	<input type="text" value="456321789652"/>	
Join Date	<input type="text" value="Sep 13, 2024"/>	
Mobile NO	<input type="text" value="8546974583"/>	
Address	<input type="text" value="pune"/>	
Room NO	<input type="text" value="102"/>	
Bed ID	<input type="text" value="R-102-B-01"/>	
Payment Status	<input type="text" value="paid"/>	
Total Amount	<input type="text" value="15000"/>	

Update Page

 Update Customer—□×

UPDATE CUSTOMER

What do you want to update

Update Mobile NO ▼

UPDATE


Old Mobile No : 8546974583

Enter the new Mobile No :

7498404535

BACK

Customer Updated Successfully

 Update Customer

—

□

×

UPDATE CUSTOMER

What do you want to update

Update Mobile NO ▾

UPDATE


Old Mobile No : 8546974583

Enter the new Mobile No :

7498404535

Message

×

 Mobile No updated successfully

OK

8. Payment Details

PAYMENT DETAILS

Payment Status	Deposit	Monthly Rent	Customer ID	Payment Method
paid	3000	12000	748596321404	online
paid	3000	13000	961574981532	cash
paid	3000	11000	369645871521	online
paid	3000	13000	874596321458	cash

BACK

9. Add Room OR Add Bed to The Room

ADD ROOM OR BED TO THE ROOM

Enter Room No

Enter Bed Capacity

Choose room status

This are Bed Id

SUBMIT

BACK



Bed Inserted Successfully

ADD ROOM OR BED TO THE ROOM


Enter Room No

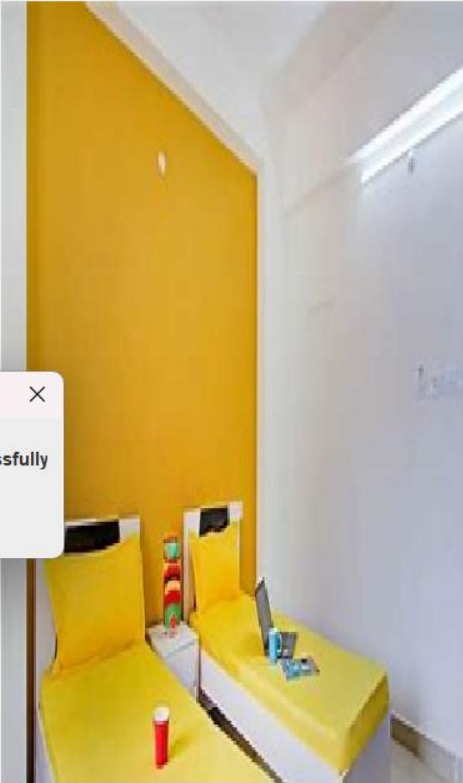
Enter Bed Capacity

Choose room status

This are Bed Id

Message

 Bed inserted to the room successfully



10. Search Room

SEARCH ROOM

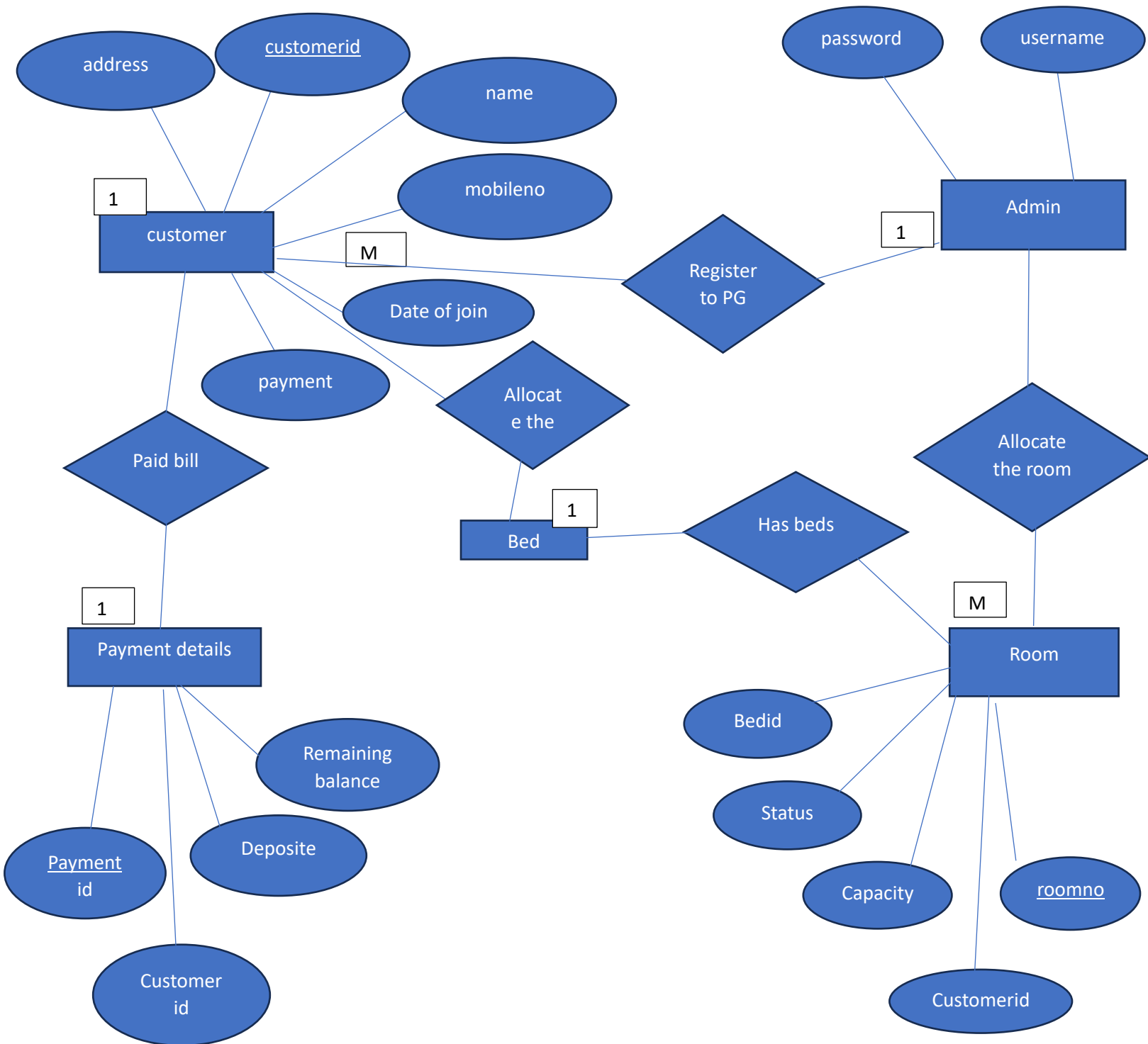
Search By Room NO :

Room NO	Capacity	Status	Bed ID's
102	2	Available	R-102-B-01,R-10...

☒ Search bed according to room no

Room NO	Bed Id	Bed Status
102	R-102-B-01	occupied
102	R-102-B-02	Available

ER Diagram



DATABASE DESIGN

