



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

A

MINI PROJECT REPORT

Online PG Rental System

SUBMITTED BY

Rajesh Kumar (1132190086)

Ritwik Sonal (1132190332)

Sonu kumar soni (1132190456)

IN PARTIAL FULFILLMENT OF

MASTERS'S OF COMPUTER APPLICATIONS

THROUGH

**FACULTY OF SCIENCE SCHOOL
OF COMPUTER SCIENCE**

2020 - 2021

TO

Dr. Vishwanath Karad MIT- World Peace University



Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Faculty of Science School of Computer Science

CERTIFICATE

This is to certify that Mr. / Ms. /Mrs. **Rajesh Kumar** studying in S.Y MCA in MIT-WPU School of Computer Science has successfully completed the mini project work titled **Online PG Rental System** in partial fulfillment of requirement for the award of MCA prescribed by the MIT World Peace University, Pune, from 04-03-2021 to 06-05-2021.

This project is the record of authentic work carried out by him / her out during the academic year **2020 -2021**.

Dr. Shankar Mali

Dr. Rajeshree Khande

Dr. C. H. Patil

Dr. Shubhalaxmi Joshi

Internal Project

AHOS

Head of School

Associate Dean

3 Guide

Faculty of Science

School Of Computer

Faculty of Science

Faculty of

DECLARATION

I, Mr. / Ms. / Mrs. **Rajesh Kumar** hereby declare that this project is the record of authentic work carried out by me during the academic year

2020-2021. This project is plagiarism-free and has not been submitted to any other University or Institute towards the award of any degree.

Rajesh kumar

Signature of the student

(SYMCA)

**PRN of the student
(1132190086)**



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Faculty of Science School of Computer Science

CERTIFICATE

This is to certify that Mr. / Ms. /Mrs. **Ritwik Sonal** studying in S.Y MCA in MIT-WPU School of Computer Science has successfully completed the mini project work titled **Online PG Rental System** in partial fulfillment of requirement for the award of MCA prescribed by the MIT World Peace University, Pune, from 04-03-2020 to 06-05-2021.

This project is the record of authentic work carried out by him / her out during the academic year **2020 -2021**.

Dr. Shankar Mali	Dr. Rajeshree Khande	Dr. C. H. Patil	Dr. Shubhalaxmi Joshi
Internal Project Guide	AHOS	Head of School	Associate Dean
Faculty of Science	School Of Computer	Faculty of Science	Faculty of Science

DECLARATION

I, Mr. / Ms. / Mrs. **Ritwik sonal** hereby declare that this project is the record of authentic work carried out by me during the academic year

2020-2021. This project is plagiarism-free and has not been submitted to any other University or Institute towards the award of any degree.

Ritwik sonal

Signature of the student

(SYMCA)

PRN of the student

(1132190332)



Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Faculty of Science School of Computer Science

CERTIFICATE

This is to certify that Mr. / Ms. /Mrs. **Sonu kumar soni** studying in S.Y MCA in MIT-WPU School of Computer Science has successfully completed the mini project work titled **Online PG Rental System** in partial fulfillment of requirement for the award of MCA prescribed by the MIT World Peace University, Pune, from 04-03-2020 to 06-05-2021.

This project is the record of authentic work carried out by him / her out during

the academic year **2020 -2021**.

Dr. Shankar Mali

**Internal Project
Guide**

Faculty of Science

Dr. Rajeshree Khande

AHOS

School Of Computer

Dr. C. H. Patil

Head of School

Faculty of Science

Dr. Shubhalaxmi Joshi

Associate Dean

Faculty of Science

DECLARATION

I, Mr. / Ms. / Mrs **sonu kumar soni** hereby declare that this project is the record of authentic work carried out by me during the academic year

2020-2021. This project is plagiarism-free and has not been submitted to any other University or Institute towards the award of any degree.

Sonu kumar soni

Signature of the student

(SYMCA)

PRN of the student

(1132190456)

ACKNOWLEDGEMENT

I wish to express my deep sense of gratitude and honor towards the faculty for giving us a chance and platform to work on such projects.

I wish to thank everyone in the organization that helped me during project development from time to time. I also express my honor and gratitude to **Dr. Shankar Mali** and constant encouragement for completing my project work successfully.

I also express my honor and gratitude to **Dr. Rajeshree Khande** for giving us this opportunity.

I also want to thank **Dr. C. H. Patil** for constant encouragement and help for completing my project work successfully. And last but not the least, I express my gratitude towards **Dr. Shubhalaxmi Joshi**, for always being there as our guide.

INDEX

S. No.	TITLE	Page No.
1.	INTRODUCTION	01
1.1	Existing System and Need of the System	01-02
1.2	Purpose of the System	03
1.3	Scope of Work	03
1.4	Operating environment – hardware and software	04-05
1.5	Description of Technology Used	04
2.	PROPOSED SYSTEM	05
2.1	Proposed System	05-06
2.2	Objective of system	06
2.3	Analysis of system	06
2.4	User requirements	07
3.	ANALYSIS AND DESIGN	07-08
3.1	Use Case Diagram	08

3.2	ER Diagram	09
3.5	Screenshots	20-35
4.	DRAWBACKS AND LIMITATIONS	36
5.	CONCLUSIONS	36
6.	BIBLIOGRAPHY	
7.	ANNEXURE(WEEKLY REPORT)	38

INTRODUCTION

In the Online PG Rental System, the user can register to get a login id and password. With login id and password, users can get logged in. After logging in, the user can post the paying guest post by adding details and pictures of the place. He/she can also view the interested users in his/her uploaded post. The uploaded post can be removed or deleted. Users can also see for the paying accommodation and after getting the desirable place he/she can select the place he/she is interested in. After selecting the desired place, the user will get the personal details of the owner, he/she can get in contact with the owner and go for further processing.

Existing system

In the existing system, all the booking process and the maintenance of the records is done manually. users who are interested in inquiring about the PG type, price, available bed, facility of the pg etc. have to walk to the register office. This creates a lot of time waste for the users.

NEED OF THE SYSTEM

An Online PG Rental System helps people to book bus tickets or seats from anywhere. An Online PG Rental System mainly helps peoples who are busy with their ongoing profession. People do not need to go the door to door one-one pg for rent .

PURPOSE OF THE SYSTEM

The purpose of this system is to create an online website for Register online Pg system. Customer can Register and book the pg over the Internet, 24 hours a day, 7 days a week .

SCOPE OF WORK

- It provides accurate details.
- It is time-consuming.
- Easy to get PG
- Easy to rent the place.

OPERATING ENVIRONMENT- HARDWARE AND SOFTWARE

System Interfaces:

The system interfaces used are user friendly and flexible so that it can be used by everyone.

User Interfaces:

The user can access our website through their phones by visiting our websites.

Hardware Interfaces:

Hardware interfaces include the Laptop with minimum 4 GB RAM and minimum 2 GB memory.

Hardware Requirements:

Processor: Quad Core 1.2GHz

RAM: 4GB

Internal Memory: 2GB

Software Requirements:

Back-End Tools: SQL (WAMP SERVER)

Front-End Tools: PHP,HTML,CSS,BOOTSTRAP

OBJECTIVES OF SYSTEM

The main objectives of the online system include:

- Online PG search.
- Details of hostels provided on a private basis.
- Details of shops on the campus.
- Details of cooks and food facilities nearby.
- Admin control over the website.
- A full-fledged database of all the PG and private hostel in the campus.

ANALYSIS OF SYSTEM

Project Description

People will use the website to Book the online PG which becoming very fast.

So, Our website will show each and every things about the PG online like check detail of PG, online from any where in India.

USER REQUIREMENTS

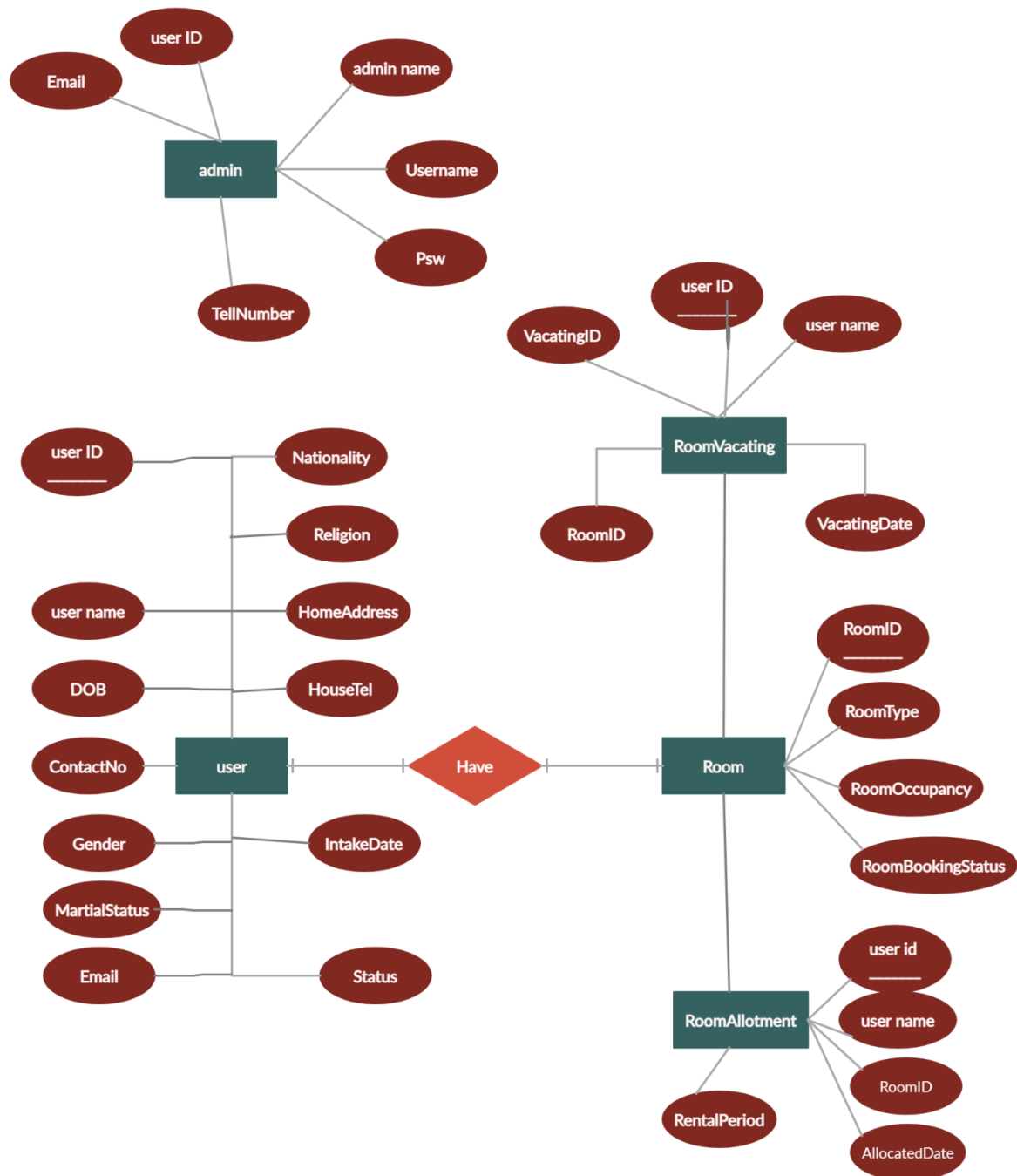
The user should have laptop desktop phone can use this service through our website on online mode

They can use our website by any web browser.

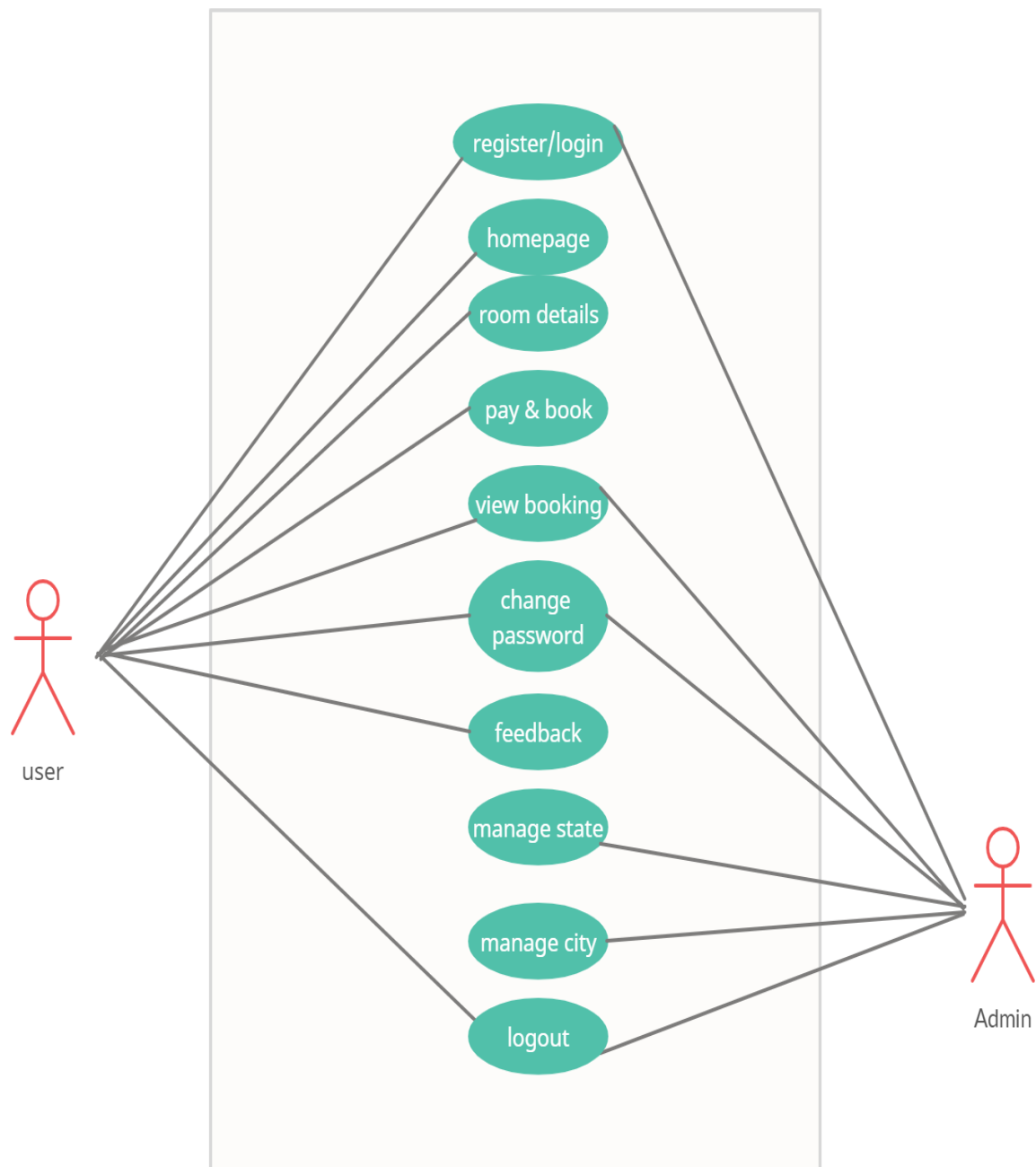
ANALYSIS & DESIGN

UML DIAGRAMS:

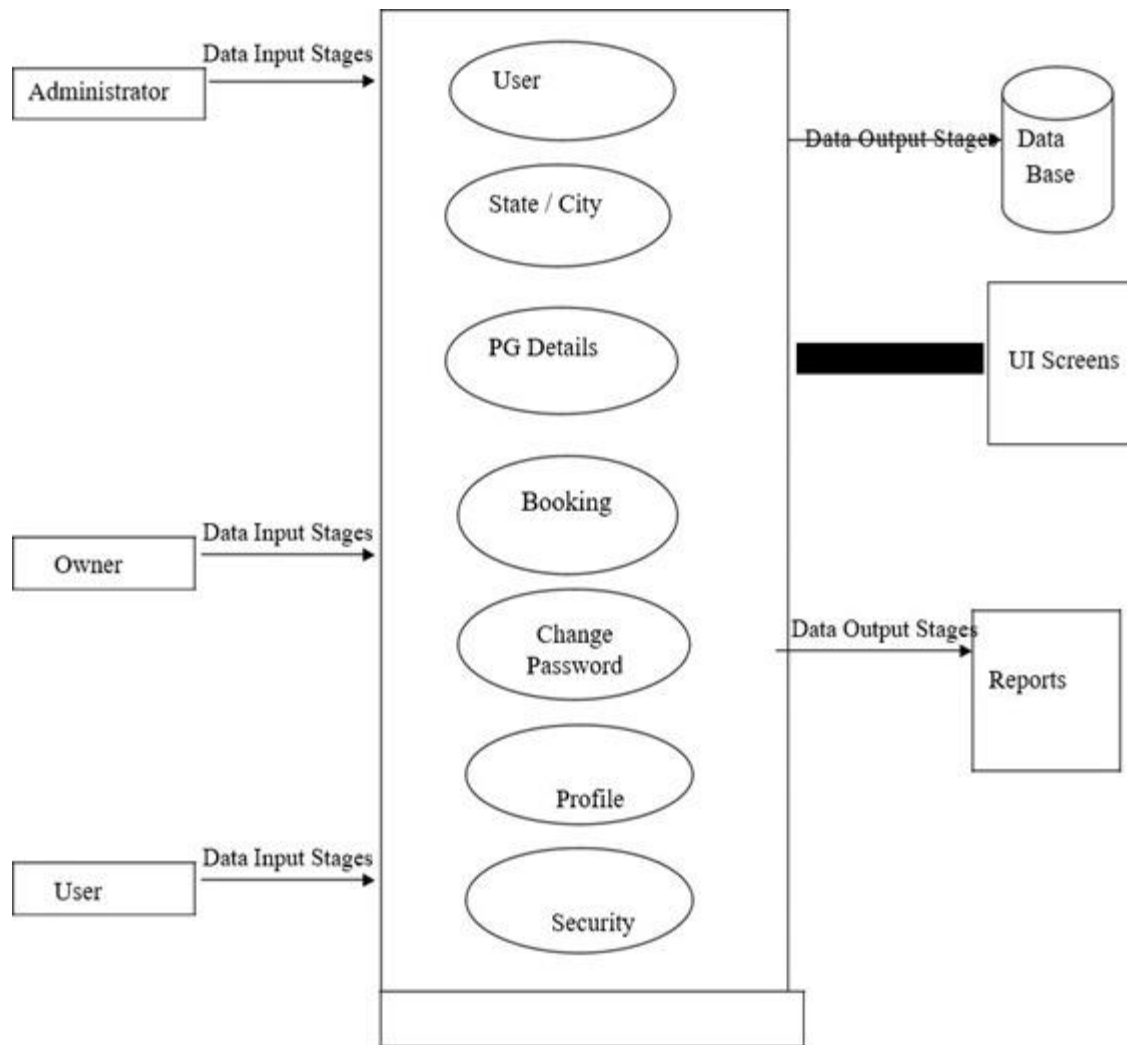
ER Diagram



Use case Diagram

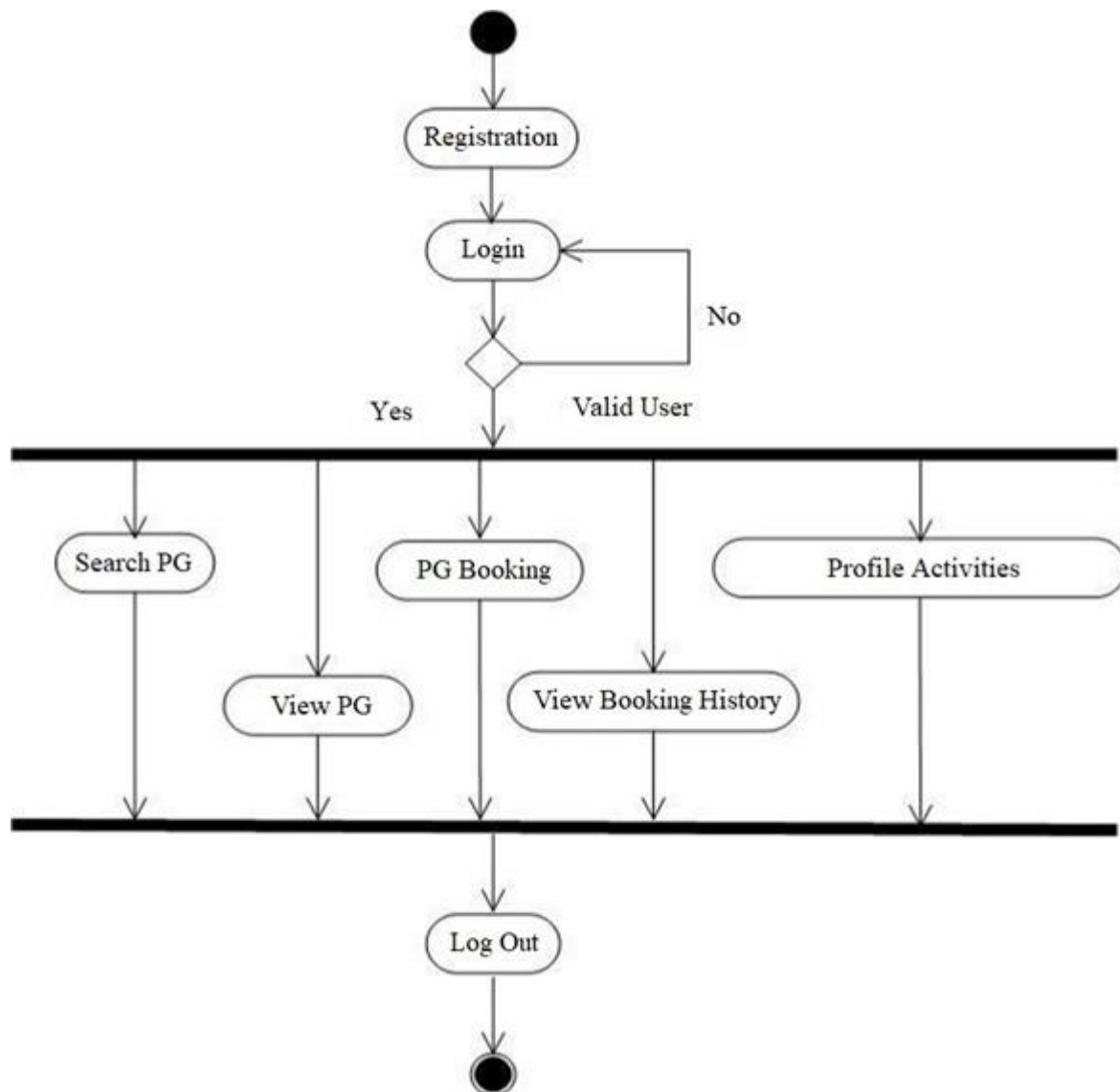


DFD Context level

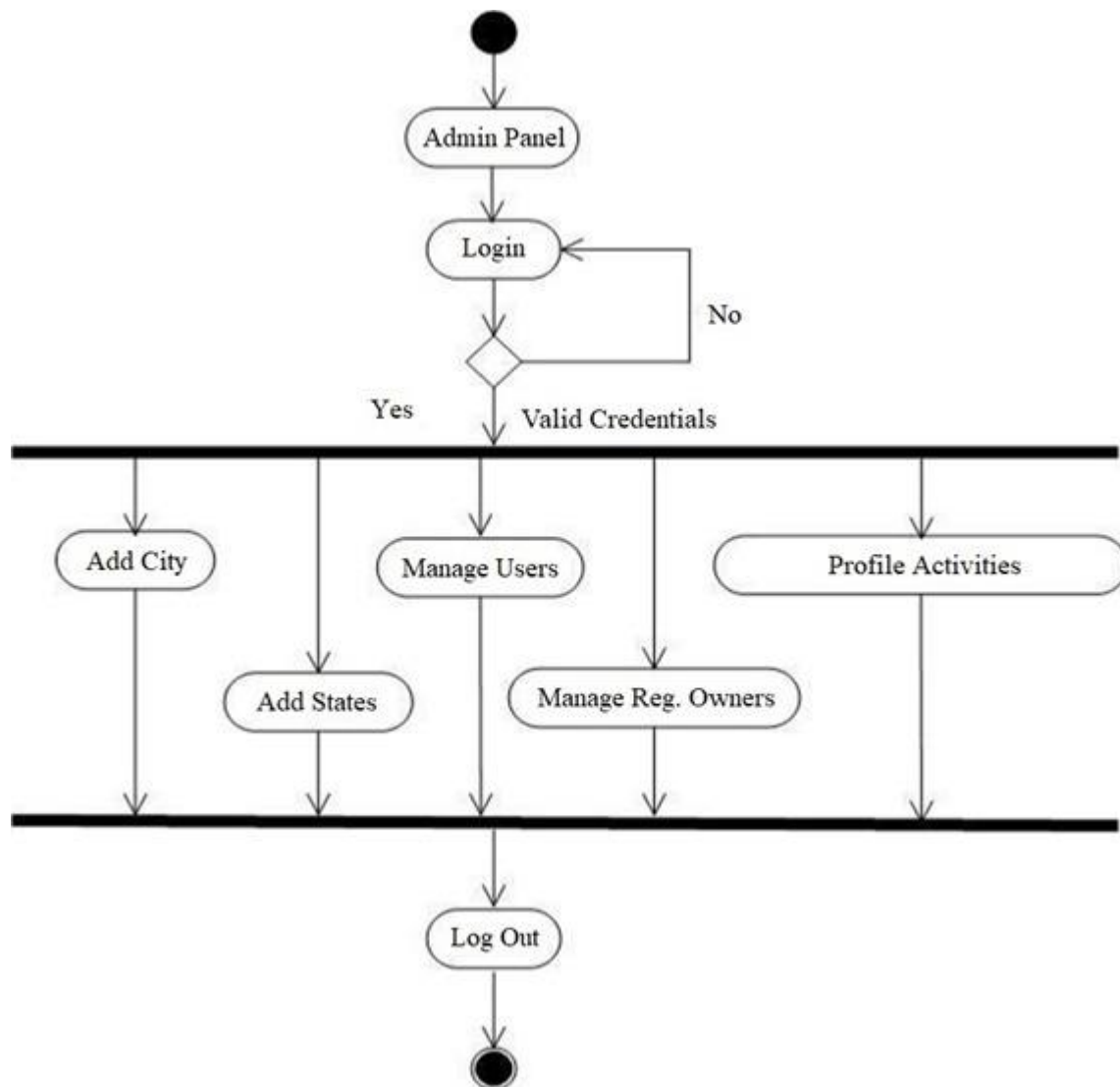


Activity Diagram

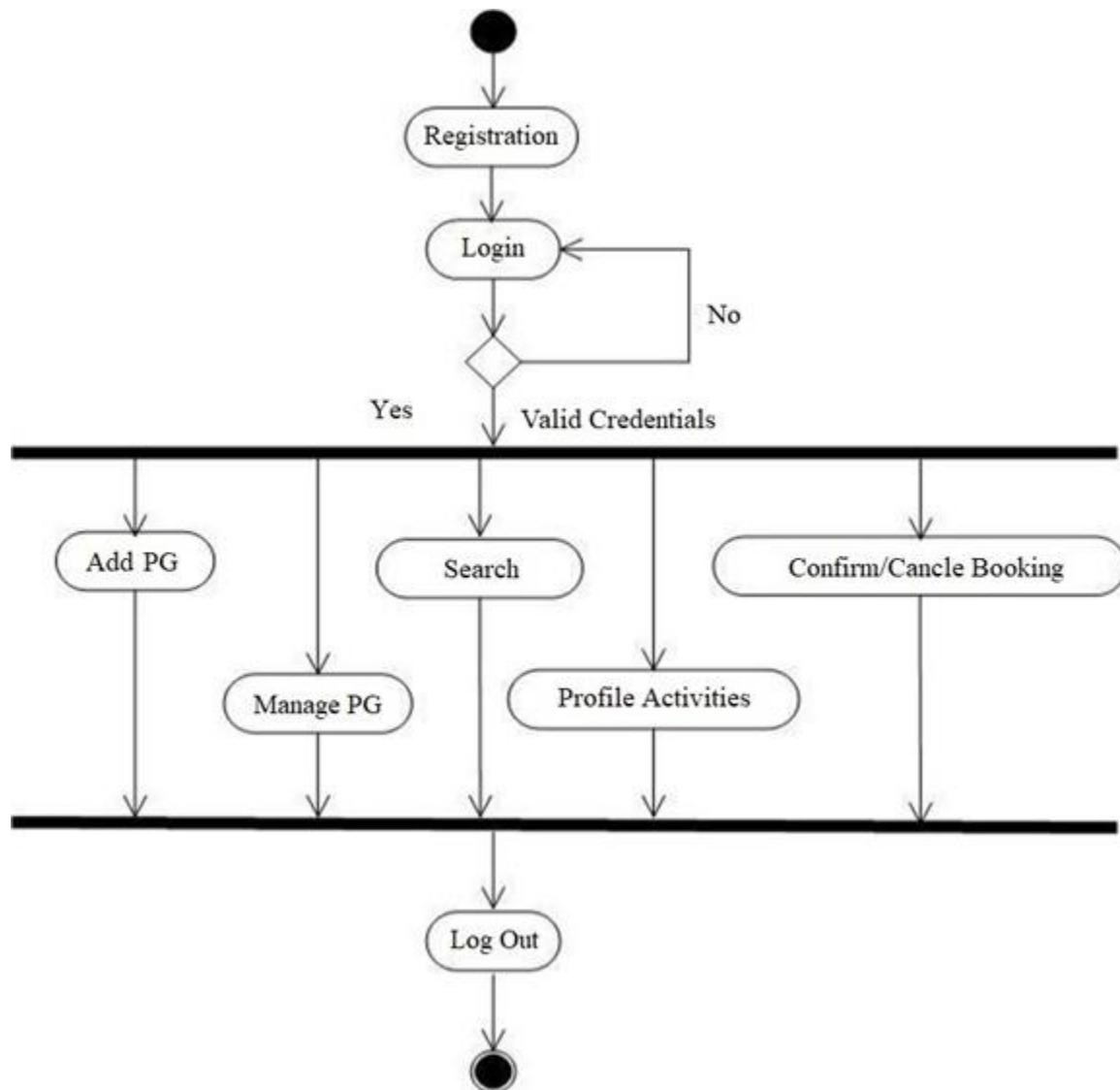
User



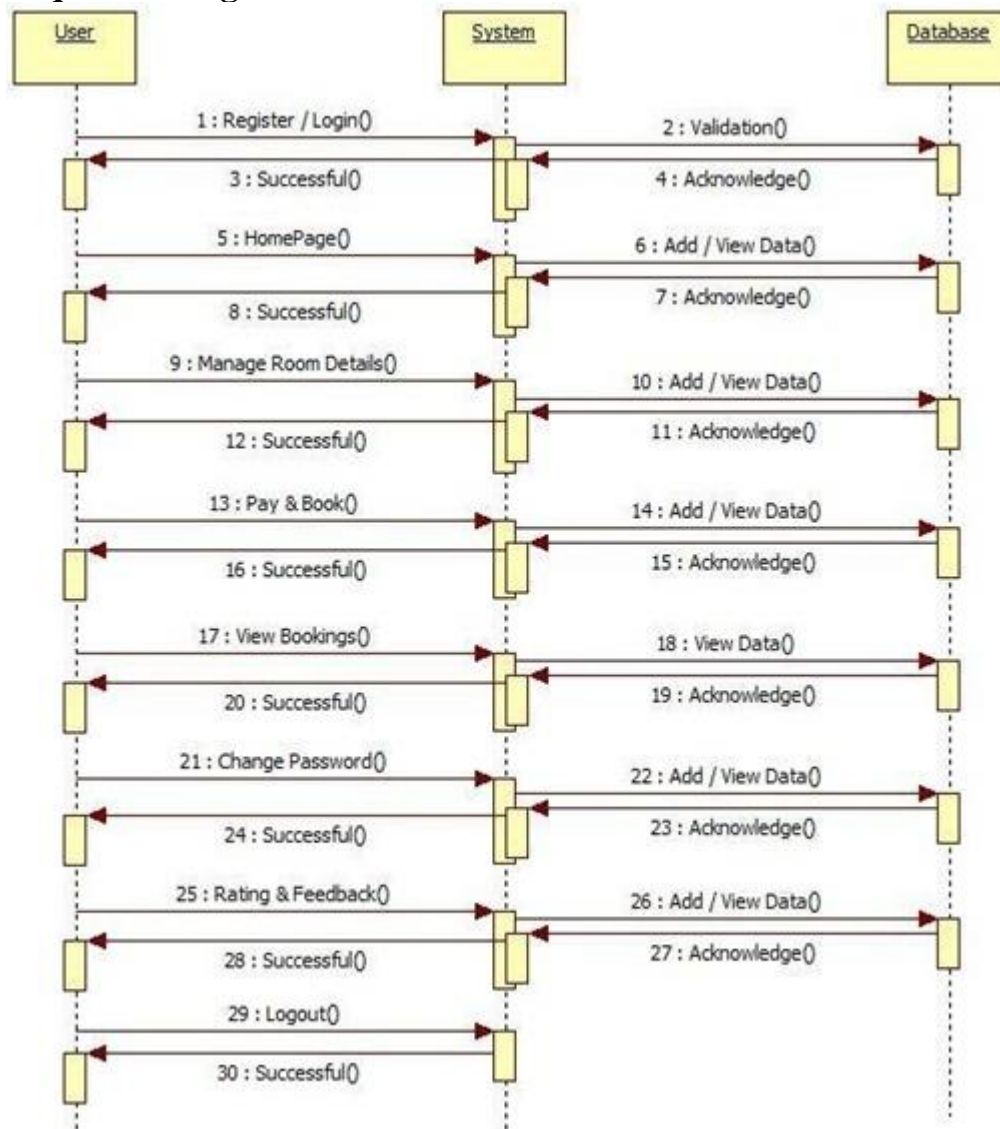
Admin



Owner



Sequence Diagram



Database Table Design

Registration Table

Field name	Data type	Constraints
ID	Int	Primary
Full Name	Varchar	Not Null
Email	Varchar	Not Null
MobileNumber	Int	Not Null
FatherName	Varchar	Not Null
DoB	Date	Not Null
CommonAdd.	Varchar	Not Null
EmergencyNumber	Int	Not Null
Password	Varchar	Not Null
RegDate	Date	Not Null

Admin login Table

Field name	Data type	Constraints
Id	Int	PRIMARY KEY
Admin name	varchar	Not Null

User Name	varchar	Not Null
MobileNumber	Int	Not Null
Email	varchar	Not Null
Password	varchar	Not Null

Booking PG Table

Field name	Data type	Constraints
Id	Int	Not Null
Userid	Int	Not Null
Pgid	Int	Not Null
BookingNumber	Int	PRIMARY KEY
CheckinDate	Date	Not Null
UserMsg	Varchar	Not Null
BookingDate	Date	Not Null
Remark	Varchar	Not Null

Status	Varchar	Not Null
--------	---------	----------

City Table

Field name	Data type	Constraints
ID	Int	PRIMARY KEY
StateID	Varchar	Not Null
City	varchar	Not Null
CreationDate	Int	Not Null

Owner Table

Field name	Data type	Constraints
ID	Int	Primary key
FullName	varchar	Not Null
Email	varchar	Not Null
MobileNumber	Int	Not Null
Password	varchar	Not Null
RegDate	date	Not Null

PG Table

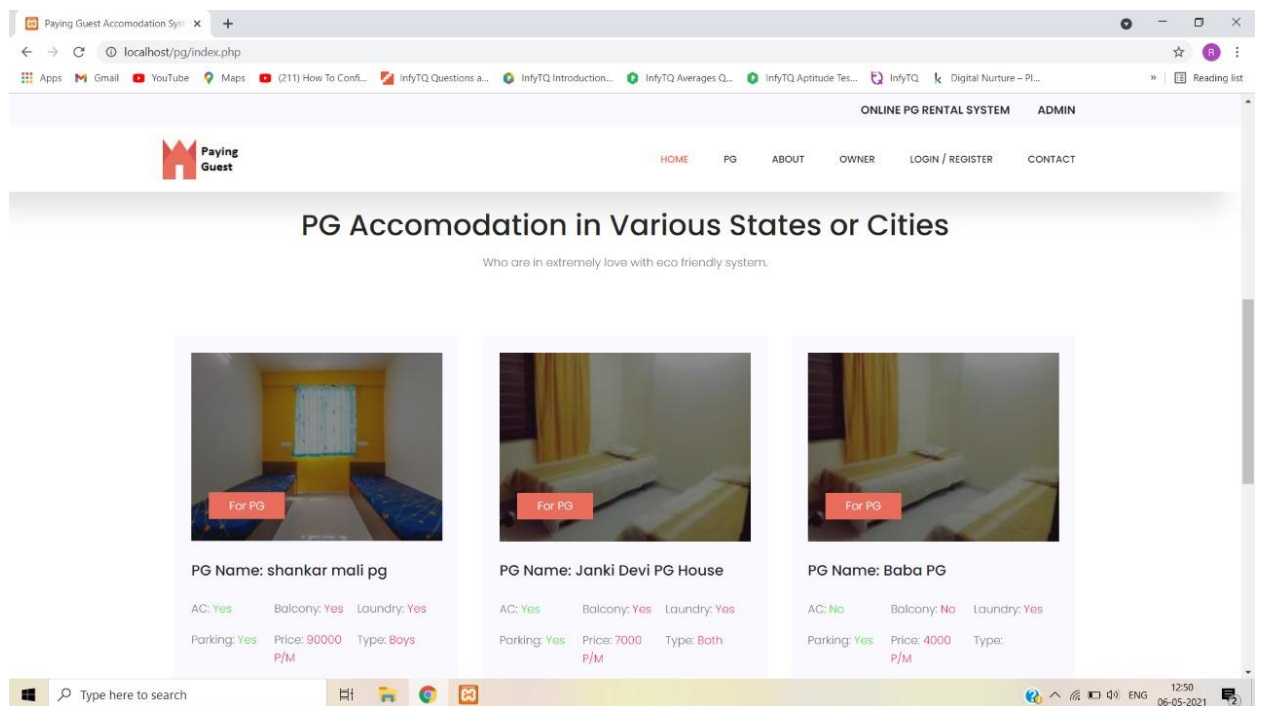
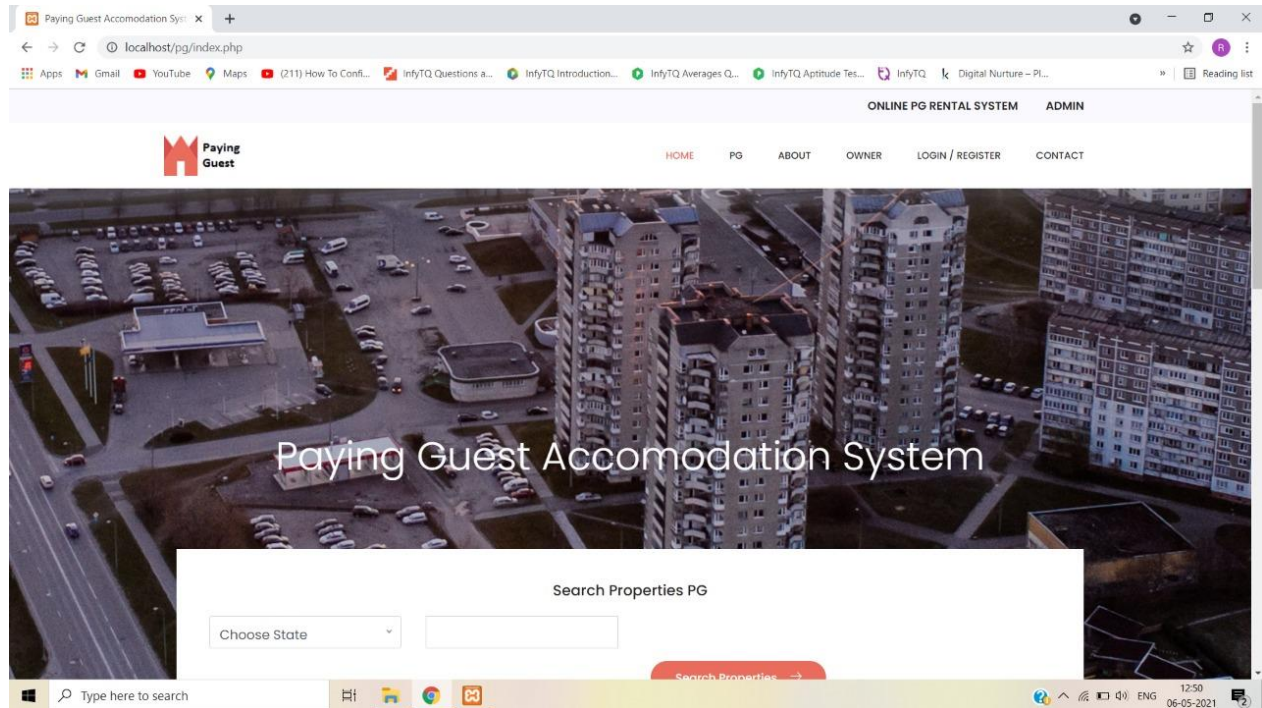
Field name	Data type	Constraints
ID	Int	Primary
OwnerID	Int	Not Null

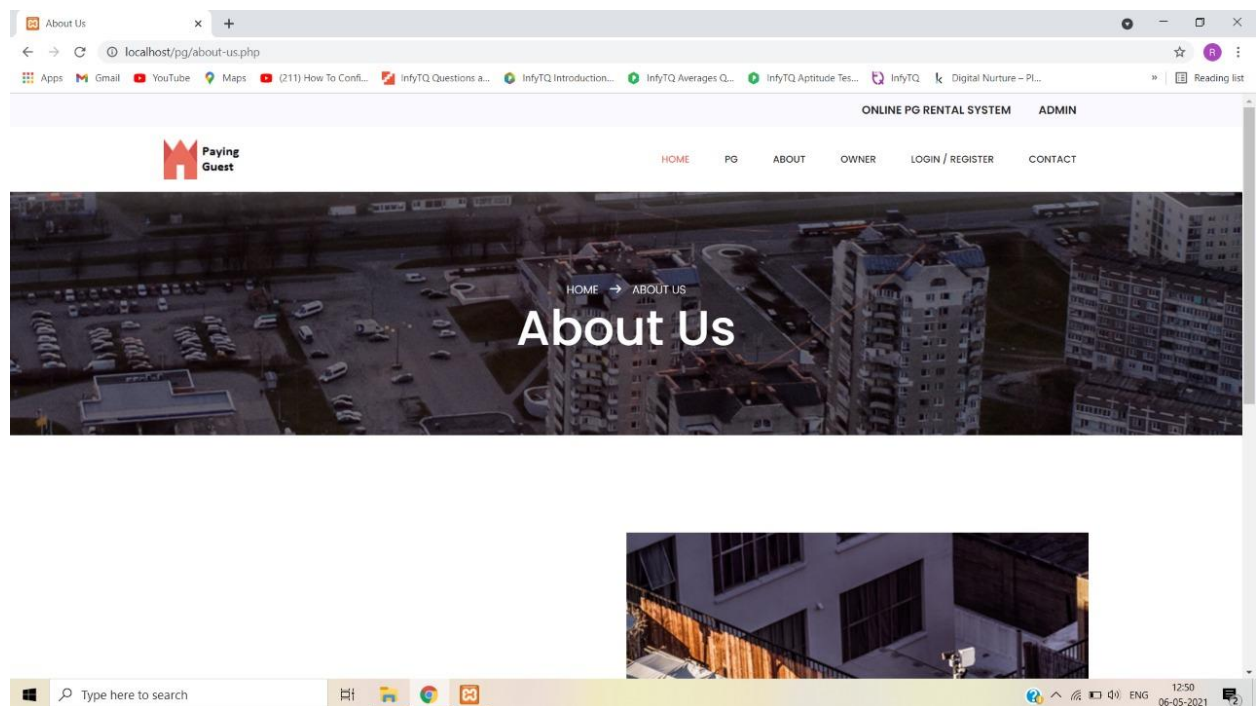
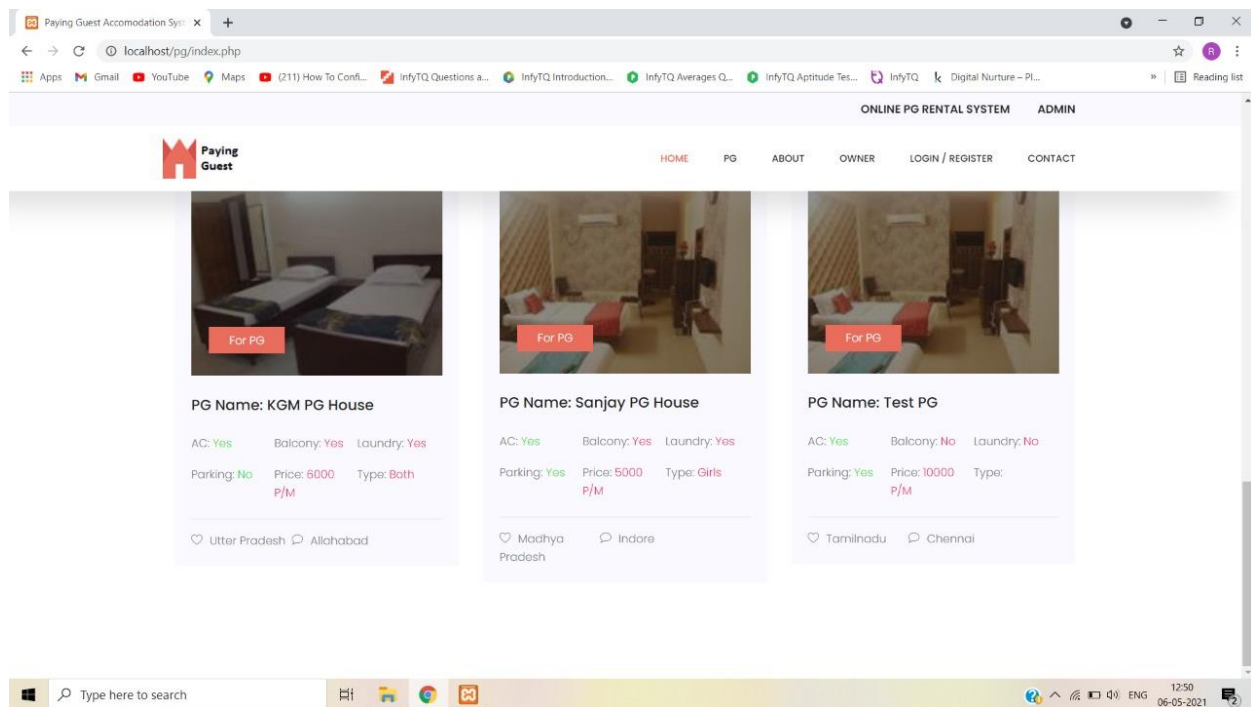
State name	Varchar	Not Null
City name	Varchar	Not Null
PG title	Varchar	Not Null
Type	Varchar	Not Null
Rent/Month	Int	Not Null
No_rooms	Int	Not Null
Address	Varchar	Not Null
Parking	Varchar	Not Null
Furnished	Varchar	Not Null
Food	Varchar	Not Null
Security	Varchar	Not Null
RegDate	Date	Not Null

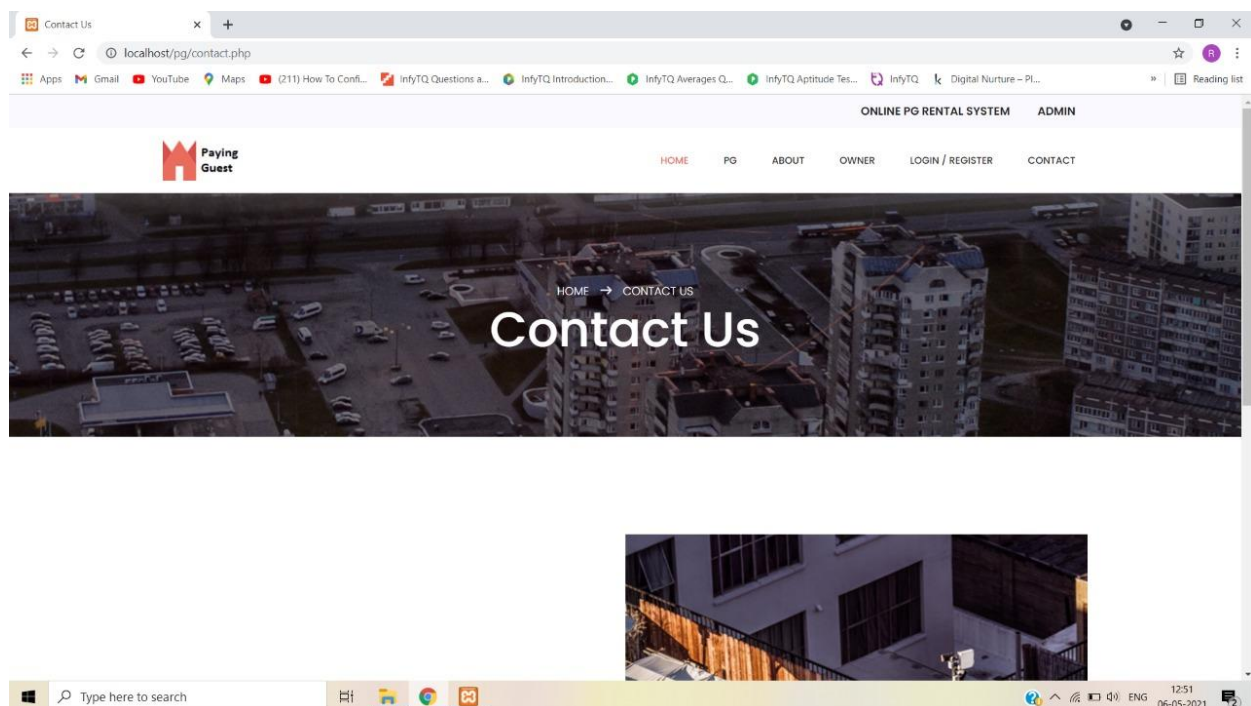
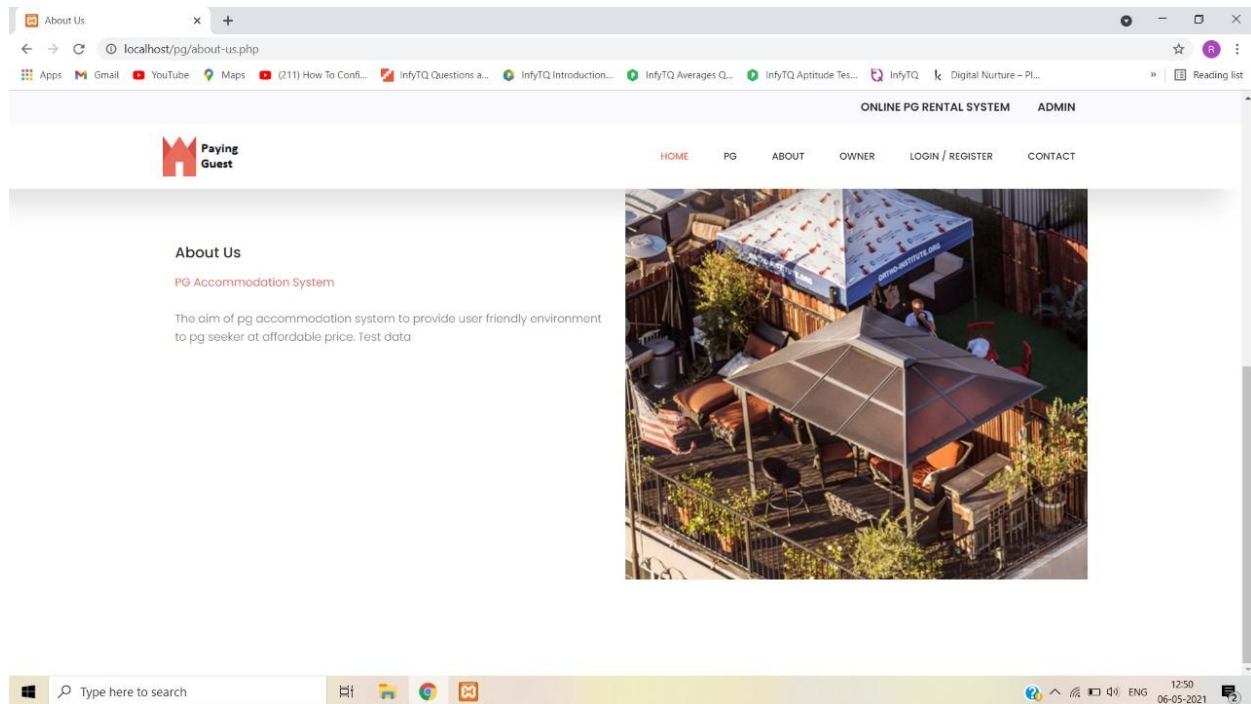
State Table

Field name	Data type	Constraints
ID	Int	Primary
StateName	Varchar	Not Null
RegDate	Date	Not Null

Project Screenshot







ADMIN SIDE

The screenshot shows a web browser window with the URL `localhost/pg/owner/login.php`. The page has a purple and orange gradient background. In the center, there is a white box with the heading "SIGN IN NOW". Below the heading are two input fields: "E-MAIL" and "PASSWORD". Below these fields is a link "Forgot Password?". At the bottom of the box is a "SIGN IN" button. Below the button is a link "Don't Have an Account? Create an account". The browser's taskbar at the bottom shows the Windows logo, a search bar, and several open applications. The system tray on the right shows the time as 12:51 and the date as 06-05-2021.

Paying Guest Accommodation System

localhost/pg/owner/login.php

Apps Gmail YouTube Maps (211) How To Conf... InfyTQ Questions a... InfyTQ Introduction... InfyTQ Averages Q... InfyTQ Aptitude Tes... InfyTQ Digital Nurture - Pl... Reading list

SIGN IN NOW

E-MAIL

PASSWORD

Forgot Password?

SIGN IN

Don't Have an Account? Create an account

Type here to search

12:51 06-05-2021

The screenshot shows the Admin Dashboard of the Paying Guest Accommodation System. The URL is `localhost/pg/admin/dashboard.php#`. The page has a purple and orange gradient background. On the left, there is a dark sidebar with the heading "ADMIN" and a menu with the following items: Dashboard, State, City, Reg Owners, PG Details, and Pages. On the right, there are four colored boxes showing statistics: "Total State 10" (red), "Total City 14" (green), "Total PG Owner 7" (blue), and "Total PG 9" (red). At the bottom, there is a footer with the text "© 2021 Online PG Rental system. All rights reserved." The browser's taskbar at the bottom shows the Windows logo, a search bar, and several open applications. The system tray on the right shows the time as 12:55 and the date as 06-05-2021.

Paying Guest Accommodation System

localhost/pg/admin/dashboard.php#

Apps Gmail YouTube Maps (211) How To Conf... InfyTQ Questions a... InfyTQ Introduction... InfyTQ Averages Q... InfyTQ Aptitude Tes... InfyTQ Digital Nurture - Pl... Reading list

ADMIN

Dashboard

State

City

Reg Owners

PG Details

Pages

Total State 10

Total City 14

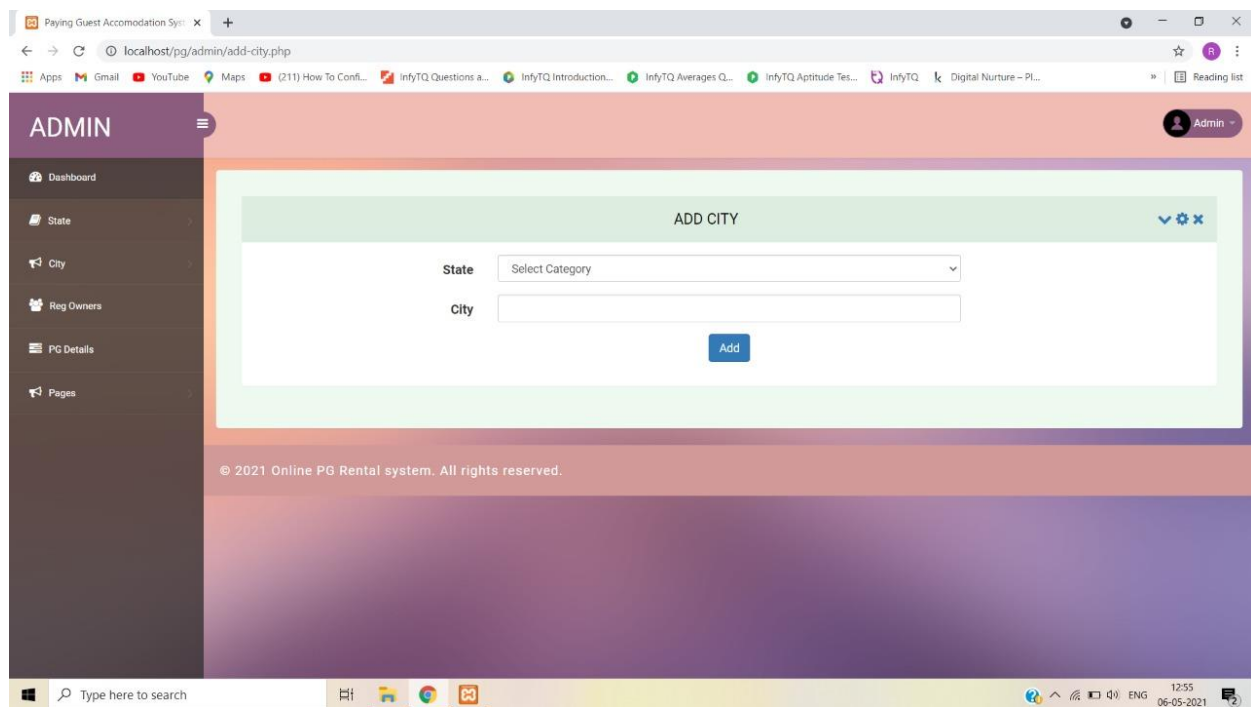
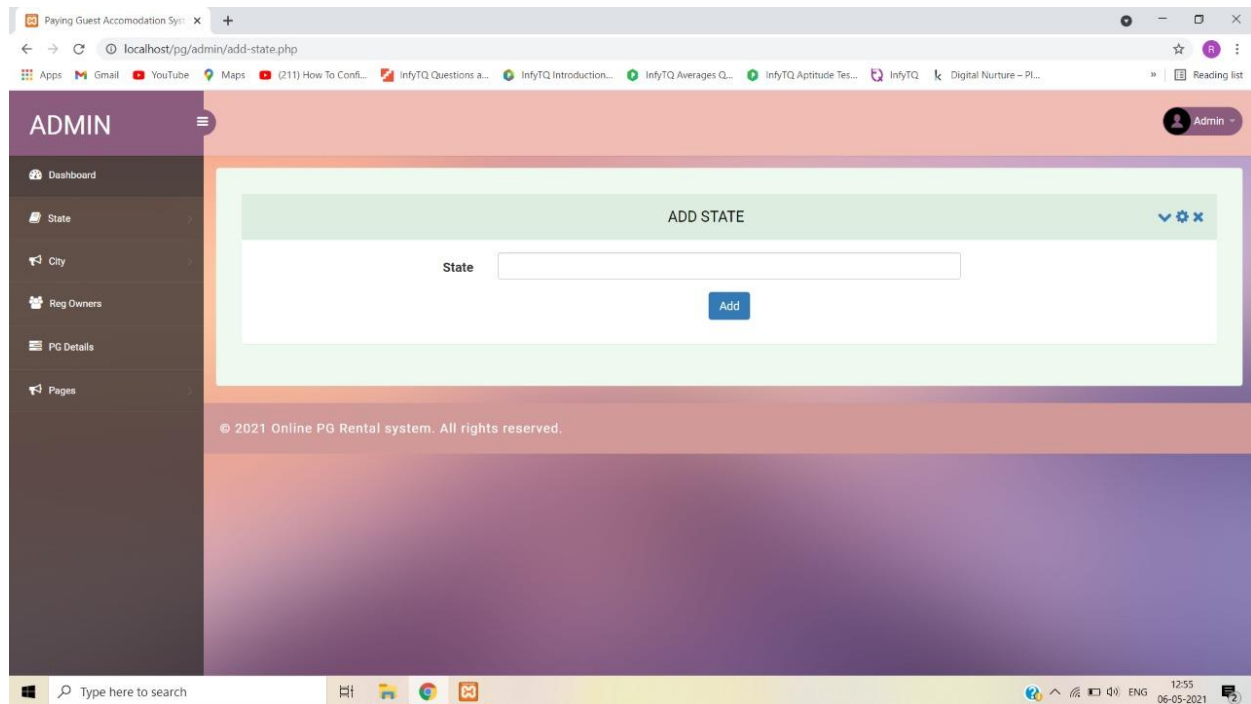
Total PG Owner 7

Total PG 9

© 2021 Online PG Rental system. All rights reserved.

Type here to search

12:55 06-05-2021



Paying Guest Accomodation Sys: x

localhost/pg/admin/manage-ownerdetails.php

Apps Gmail YouTube Maps (211) How To Conf... InfyTQ Questions a... InfyTQ Introduction... InfyTQ Averages Q... InfyTQ Aptitude Tes... InfyTQ Digital Nurture - Pl... Reading list

ADMIN

Admin

Dashboard

State

City

Reg Owners

PG Details

Pages

PAYING GUEST OWNER DETAILS

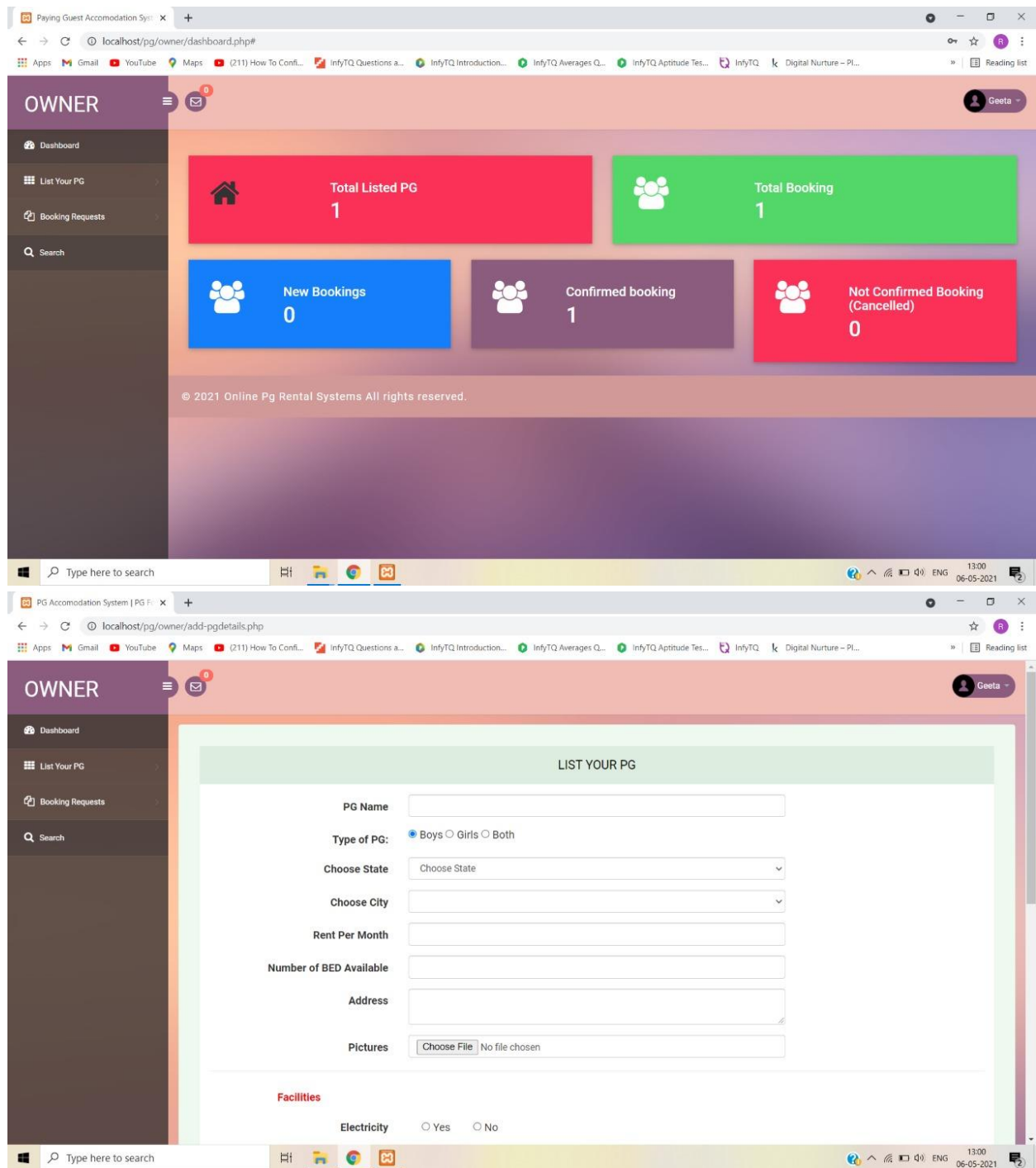
S.NO	Full Name	Mobile Number	Registration Date	Action
1	Rahul Singh	9898989898	2019-05-07 16:36:51	✎
2	Khusbu	8989898988	2019-05-07 16:38:15	✎
3	Pg owner test	1234567890	2019-06-18 23:46:54	✎
4	Geeta	7857997971	2021-04-29 12:18:57	✎
5	sonu	7676767676	2021-04-29 14:41:13	✎
6	mali shankar	7878787878	2021-04-29 16:07:51	✎
7	archana	7676767676	2021-04-29 16:19:28	✎

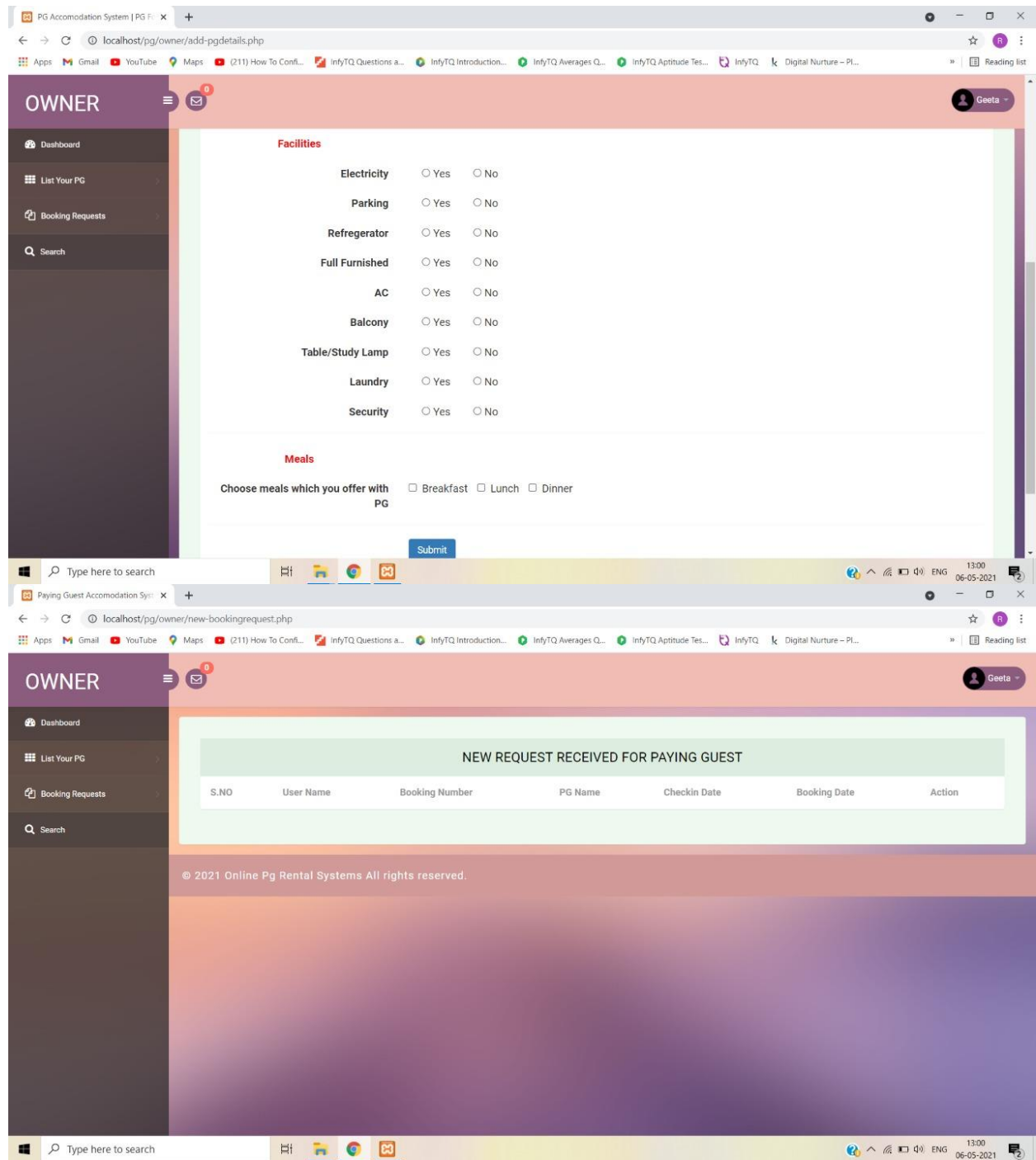
© 2021 Online PG Rental system. All rights reserved.

Type here to search

12:56 06-05-2021 ENG

OWNER PAGE





Paying Guest Accommodation System

localhost/pg/owner/confirmed-pgbooking.php

OWNER

Geeta

Dashboard

List Your PG

Booking Requests

Search

CONFIRMED REQUEST FOR PAYING GUEST

S.NO	User Name	Booking Number	PG Name	Checkin Date	Booking Date	Action
1	Pallavi	796853265	gk pg	2021-04-30	2021-04-29 12:23:46	View Details

© 2021 Online Pg Rental Systems All rights reserved.

Type here to search

13:00 06-05-2021

Paying Guest Accommodation System

localhost/pg/owner/cancelled-pgbooking.php

OWNER

Geeta

Dashboard

List Your PG

Booking Requests

Search

CONFIRMED REQUEST FOR PAYING GUEST

S.NO	User Name	Booking Number	PG Name	Checkin Date	Booking Date	Action
------	-----------	----------------	---------	--------------	--------------	--------

© 2021 Online Pg Rental Systems All rights reserved.

Type here to search

13:00 06-05-2021

Paying Guest Accommodation Sys: x +

localhost/pg/owner/owner-profile.php

Apps Gmail YouTube Maps (211) How To Conf... InfyTQ Questions a... InfyTQ Introduction... InfyTQ Averages Q... InfyTQ Aptitude Tes... InfyTQ Digital Nurture - Pl... Reading list

OWNER

Dashboard
List Your PG
Booking Requests
Search

Geeta

OWNER PROFILE

Full Name: Geeta
Email: gk@gmail
Mobile Number: 7857997971
Registration Date: 2021-04-29 12:18:57

Update

© 2021 Online Pg Rental Systems All rights reserved.

Type here to search

13:02 06-05-2021

PG Accommodation details x +

localhost/pg/pg-details.php?pid=25

Apps Gmail YouTube Maps (211) How To Conf... InfyTQ Questions a... InfyTQ Introduction... InfyTQ Averages Q... InfyTQ Aptitude Tes... InfyTQ Digital Nurture - Pl... Reading list

ONLINE PG RENTAL SYSTEM ADMIN

HOME PG ABOUT OWNER LOGIN / REGISTER CONTACT

Paying Guest

Rajesh kumar pg's Details

State	Madhya Pradesh
City	Jaipur
Rent Per Month	8000
Number of Rooms	2
Address	Sharmistha Building Mira road, Thane Maharashtra

Meals which offer by PG

Breakfast	Yes
Lunch	Yes
Dinner	Yes

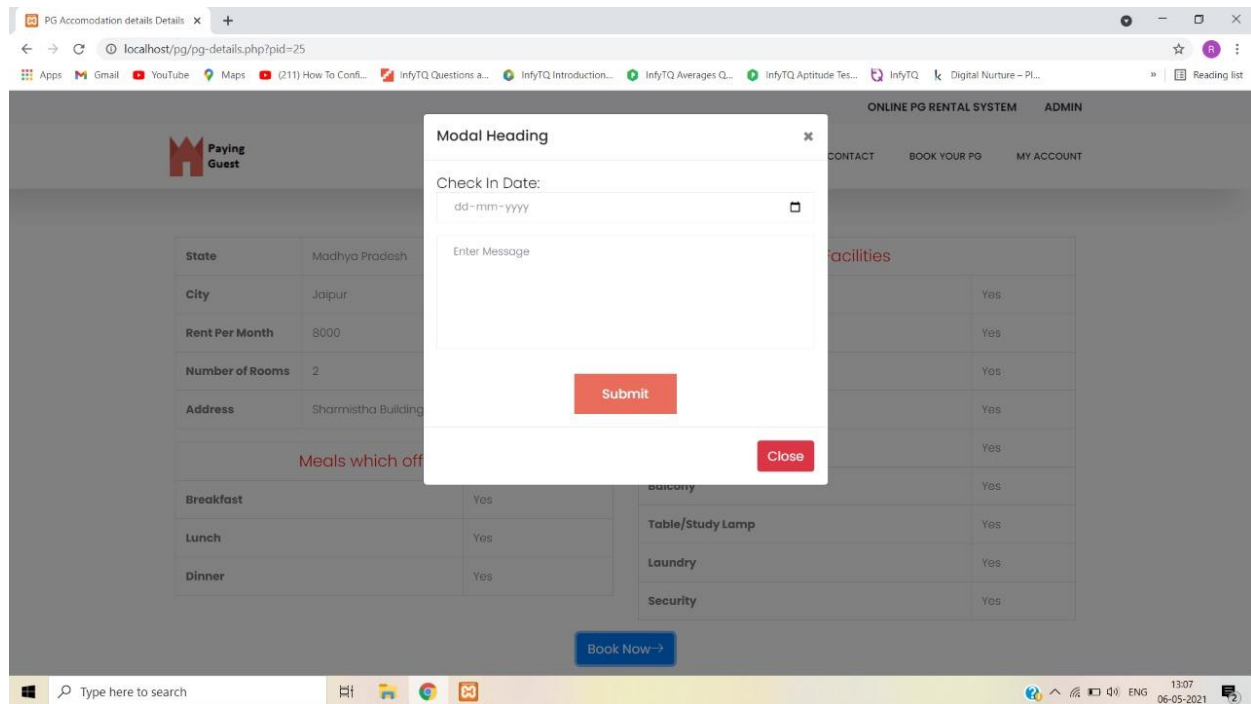
Facilities

Electricity	Yes
Parking	Yes
Refregerator	Yes
Full Furnished	Yes
AC	Yes
Balcony	Yes
Table/Study Lamp	Yes
Laundry	Yes
Security	Yes

Book Now

Type here to search

13:03 06-05-2021



LIMITATIONS AND DRAWBACKS

LIMITATIONS

In future, we can add the online pay, limited day for rent facilities which can help people. Also, We can add The News New Technology as per requirement.

DRAWBACKS:

- You need Internet access.
- You need to be ready for an influx of new rental.
- Not all online booking systems are created equal.
- Avoid booking PG that don't bring you new quality customers

CONCLUSIONS

This integrates basic amenities for the users especially the students in one platform. It further extends the feature of advertising the hosts' accommodation facilities over the website application. In this application will turn out to be a boon for all the students by providing them with a portable all-in-one application. None of the applications in the existing system support such a user-friendly atmosphere where all the three features are merged into one integrated platform. There are many conclusive features on the project which suggests there can be further development and an outlook can be created for a business perspective using various hosting platforms.

Test cases

<u>No</u>	Data Input	Excepted Output	Actual Output	Pass / Fail
1	Login (valid)	Proceed to online booking or cancel PG	As expected	pass
2	Login (invalid)	Error massage	As expected	pass
3	Change password	Successfully change	As expected	pass
4	Contact details	Showing contact information in this section	As expected	pass
5	Ticket booking	Book PG successfully	As expected	pass
6	Booking details	Show Booking section	As expected	pass
7	PG Registration	Register successfully	As expected	pass

**Week 1.****Week-** 11/03/2021 to 17/03/2021.**Project Title:** Online PG Rental System**Team detail:**

Roll No	Name
230	Rajesh kumar
247	Ritwik sonal
249	Sonu Kumar soni

Plan for the week (Last Week)

✓ Done Diagram part.

Skill Gained

✓ How to draw UML Diagram.

Major Challenges

✓ Drawing diagram.

Plan for the Next week

✓ Static page of login and signup page.



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Science

Subject: Mini Project

Week 2.

Week- 18/03/2021 to 25/03/2021

Project Title: Online PG Rental System

Team detail:

Roll No	Name
230	Rajesh kumar
247	Ritwik sonal
249	Sonu Kumar soni

Plan for the week (Last Week)

- ✓ Static Page of Login and Signup Page

Skill Gained

- ✓ Come to know About Login And Signup page

Major Challenges

- ✓ Design of that Login and Signup page

Plan for the Next week

- ✓ Will do Database on Signup and Login Page



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Science

Subject: Mini Project

Week 3.

Week- 25/03/2021 to 31/03/2021

Project Title: Online PG Rental System

Team detail:

Roll No	Name
230	Rajesh kumar
247	Ritwik sonal
249	Sonu Kumar soni

Plan for the week (Last Week)

✓ Home Page

Skill Gained

✓ Come to know Home Page

Major Challenges

✓ Database and Home page

Plan for the Next week

✓ Dashboard.



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Science

Subject: Mini Project

Week 4.

Week- 31/03/2021 to 07/04/2021

Project Title: Online PG Rental System

Team detail:

Roll No	Name
230	Rajesh kumar
247	Ritwik sonal
249	Sonu Kumar soni

Plan for the week (Last Week)

- ✓ Dashboard of user and admin side

Skill Gained

- ✓ Come to know about dashboard

Major Challenges

- ✓ Database

Plan for the Next week

- ✓ Owner side dashboard and little work on user side



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Science

Subject: Mini Project

Week 5.

Week- 8/04/2021 to 14/04/2021

Project Title: Online PG Rental System

Team detail:

Roll No	Name
230	Rajesh kumar
247	Ritwik sonal
249	Sonu Kumar soni

Plan for the week (Last Week)

- ✓ Owner Side dashboard.

Skill Gained

- ✓ Come to know About dashboard

Major Challenges

- ✓ Database & dashboard

Plan for the Next week

- ✓ Will do proper connection and do contact page and about us page about all pg.



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Science

Subject: Mini Project

Week 6.

Week- 15/04/2021 to 21/04/2021.

Project Title: Online PG Rental System

Team detail:

Roll No	Name
230	Rajesh kumar
247	Ritwik sonal
249	Sonu Kumar soni

Plan for the week (Last Week)

- ✓ Will do proper connection and do contact page and about us page about all pg

Skill Gained

- ✓ Come to know About dashboard

Major Challenges

- ✓ Database connection

Plan for the Next week

- ✓ To show the Availability of bed on owner side.



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Science

Subject: Mini Project

Week 7.

Week- 22/04/2021 to 28/04/2021.

Project Title: Online PG Rental System

Team detail:

Roll No	Name
230	Rajesh kumar
247	Ritwik sonal
249	Sonu Kumar soni

Plan for the week (Last Week)

- ✓ To show the Availability of bed on owner side.

Skill Gained

- ✓ Availability of bed checking.

Major Challenges

- ✓ Database connection

Plan for the Next week

- ✓ Whole implementation of project.



Dr. Vishwanath Karad
MIT WORLD PEACE
UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

School of Computer Science

Subject: Mini Project

Week 8.

Week- 29/04/2021 to 05/05/2021.

Project Title: Online PG Rental System

Team detail:

Roll No	Name
230	Rajesh kumar
247	Ritwik sonal
249	Sonu Kumar soni

Plan for the week (Last Week)

- ✓ Whole Implementation of project.

Skill Gained

- ✓ How to implement a project.

Major Challenges

- ✓ Database connection

Plan for the Next week

- ✓ Completed Project.