

# **PAYING GUEST ACCOMMODATION APPLICATION**

## **Technical Design Document**

	<b>Prepared By / Last Updated By</b>	<b>Reviewed By</b>	<b>Approved By</b>
<b>Name</b>	Team 9		
<b>Role</b>			
<b>Signature</b>			
<b>Date</b>			

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## **1.0 Introduction**

### **1.1 Purpose of this document**

The purpose of this document is to technical design, component details and Database design. This will also capture the scope, assumptions, risk, dependencies of this project.

### **1.2 Project overview**

#### **1.2.1 Abstract**

It has become easy to search PG accommodation nearby the work place. It was difficult earlier to go a place to work which was situated at long-distances and hence had to lose good opportunities, as we don't know where to stay and where unaware about a particular city. But now it has become easier to find an accommodation nearby the work place in cheap rates. In this online paying guest system, users can find a number of paying accommodation nearby work place or desired place. Even user can add his/her own desired places and get the tenant easily by just uploading picture and details of the respective place. In this system user can register to get login id and password. With login id and password user can get logged in. After logging in, 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. User 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, user will get the personal details of the owner, he/she can get in contact with the owner and go for further processing

#### **1.2.2 Objectives**

Below are the objectives that shall be fulfilled post the execution of this project.

- Admin Registration and Login.
- Admin authentication.
- Adding PG details and services.
- PG owner Registration and Login.
- Updating and deleting PG details.
- User Registration and Login.
- Booking PG.

## 2.0 Solution Summary

### 1. Scope

#### Admin:

- Login to the system
- Should be able to update and delete and add PG details and services.

#### PG Owner:

- Should be able to register and login to the system.
- PG owner should be able to add services based on his choice.
- Logout

#### User:

- Should be able to register and login to the system.
- Should be able to select PG and PG services based on his choice.
- Should be able to book PG and give feedback.
- Logout

### 2.2 Assumptions

- For admin, we have assumed that there is only one person acting as admin whose login and password has been already stored in the database.

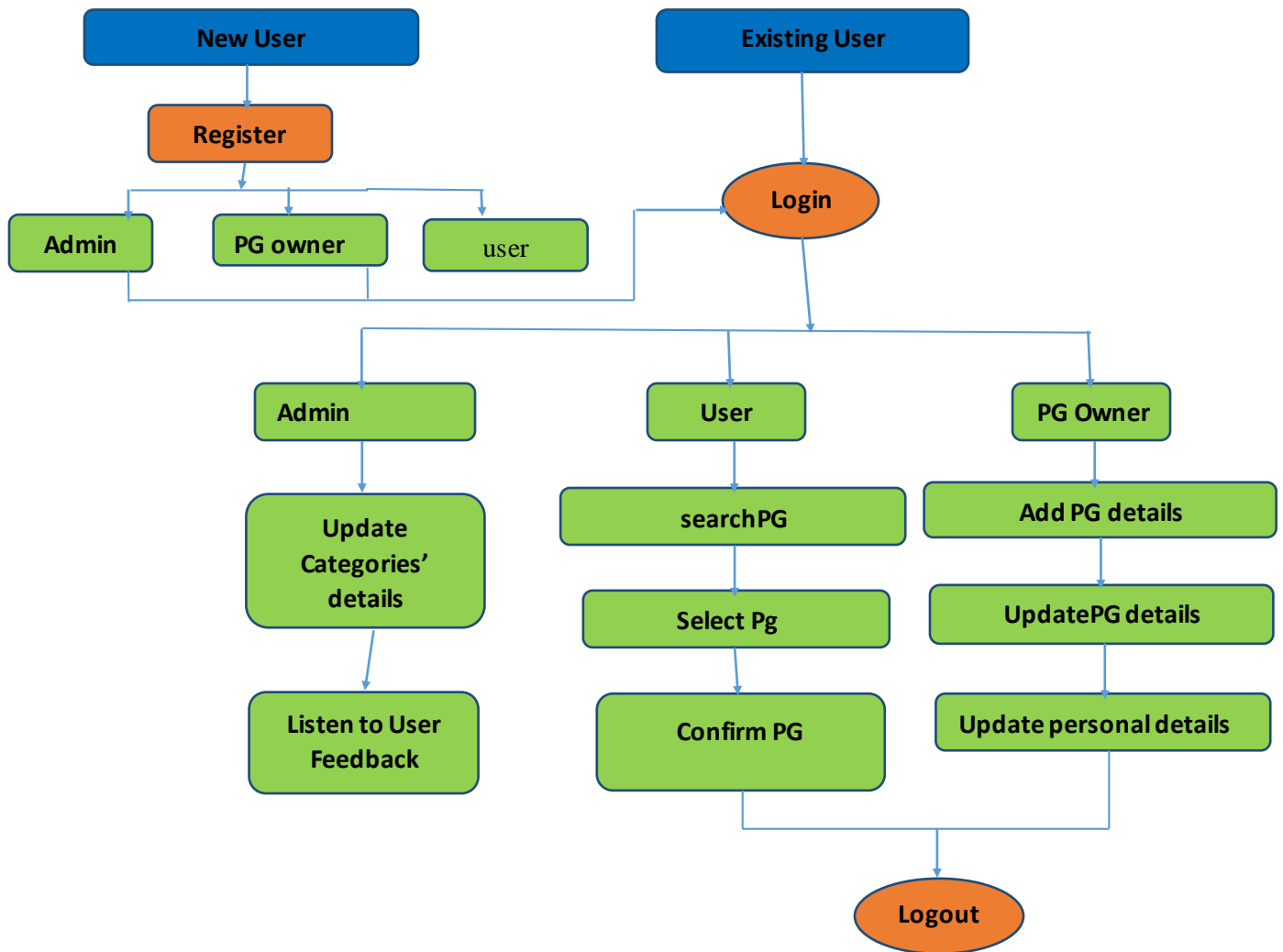
### 2.3 Dependencies

- Availability of database design characteristics and access shall be defined.
- Resource availability throughout each of the sprint.

### 2.4 Risks

None

### 3.0 Schematic Diagram



MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bootstrap

- Tables
  - admin
    - Columns
    - Indexes
    - Foreign Keys
    - Triggers
  - booking
  - hibernate\_sequence
  - pgowner
  - user
  - user\_login
- Views
- Stored Procedures
- Functions
- college
- newone
- newone1
- payingguest

Query 1 SQL File 2\* SQL File 3\* SQL File 4\* user user\_login admin booking

1 • SELECT \* FROM bootstrap.booking;

Result Grid

userid	action	bookingnumber	movein	moveout	pgid
101	booked	685232	2021-11-12	2021-12-18	8

booking 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:20:06	SELECT * FROM bootstrap.admin LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec
2	15:21:15	SELECT * FROM bootstrap.booking LIMIT 0, 1000	1 row(s) returned	0.062 sec / 0.000 sec

Schema: bootstrap

Object Info Session

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

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2	15:21:15	SELECT * FROM bootstrap.booking LIMIT 0, 1000	1 row(s) returned	0.062 sec / 0.000 sec
3	15:22:11	SELECT * FROM bootstrap.booking LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Schema: bootstrap

Object Info Session

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MySQL Workbench

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user

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payingguest

Administration Schemas

Information

Schema: bootstrap

Object Info Session

Query 1 SQL File 2\* SQL File 3\* SQL File 4\* user user\_login admin booking booking hibernate\_sequence pgowner x

1 • SELECT \* FROM bootstrap.pgowner;

Result Grid

pgid	address	location	noofrooms	noofsharing	pgname	rentpermonth	status	typeofpg
1	bng	bng	6	4	balaj	5000	available	girls

pgowner 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:20:06	SELECT * FROM bootstrap.admin LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec
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3	15:22:11	SELECT * FROM bootstrap.booking LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
4	15:22:19	SELECT * FROM bootstrap.hibernate_sequence LIMIT 0, 1000	1 row(s) returned	0.078 sec / 0.000 sec
5	15:22:24	SELECT * FROM bootstrap.pgowner LIMIT 0, 1000	1 row(s) returned	0.063 sec / 0.000 sec

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Administration Schemas

Information

Schema: bootstrap

Object Info Session

SQL File 2\* SQL File 3\* SQL File 4\* user user\_login admin booking booking hibernate\_sequence pgowner user x

1 • SELECT \* FROM bootstrap.user;

Result Grid

userid	email	gender	password	phonenumber	username
101	balaj@gmail.com	male	balaj12@	52478925	balaj

user 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
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2	15:21:15	SELECT * FROM bootstrap.booking LIMIT 0, 1000	1 row(s) returned	
3	15:22:11	SELECT * FROM bootstrap.booking LIMIT 0, 1000	1 row(s) returned	
4	15:22:19	SELECT * FROM bootstrap.hibernate_sequence LIMIT 0, 1000	1 row(s) returned	
5	15:22:24	SELECT * FROM bootstrap.pgowner LIMIT 0, 1000	1 row(s) returned	
6	15:22:31	SELECT * FROM bootstrap.user LIMIT 0, 1000	1 row(s) returned	

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OneDrive

Screenshot saved

The screenshot was added to your OneDrive.

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Foreign Keys

Triggers

booking

hibernate\_sequence

pgowner

user

user\_login

Views

Stored Procedures

Functions

college

newone

newone1

payingguest

SQL File 3\* SQL File 4\* user user\_login admin booking booking hibernate\_sequence pgowner user user\_login x

1 • SELECT \* FROM bootstrap.user\_login;

Result Grid

userid	password
101	balaj123@

user\_login 1 x

Apply Revert Context Help Snippets

Information

Schema: bootstrap

Object Info Session

Output

#	Time	Action	Message	Duration / Fetch
2	15:21:15	SELECT * FROM bootstrap.booking LIMIT 0, 1000	1 row(s) returned	
3	15:22:11	SELECT * FROM bootstrap.booking LIMIT 0, 1000	1 row(s) returned	
4	15:22:19	SELECT * FROM bootstrap.hibernate_sequence LIMIT 0, 1000	1 row(s) returned	
5	15:22:24	SELECT * FROM bootstrap.pgowner LIMIT 0, 1000	1 row(s) returned	
6	15:22:31	SELECT * FROM bootstrap.user LIMIT 0, 1000	1 row(s) returned	
7	15:22:37	SELECT * FROM bootstrap.user_login LIMIT 0, 1000	1 row(s) returned	

OneDrive

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payingguest

Query 1 SQL File 2\* SQL File 3\* SQL File 4\* user user\_login admin x

1 • SELECT \* FROM bootstrap.admin;

Result Grid

adminid	password
101	balaj

admin 1 x

Apply Revert Context Help Snippets

Information

Schema: bootstrap

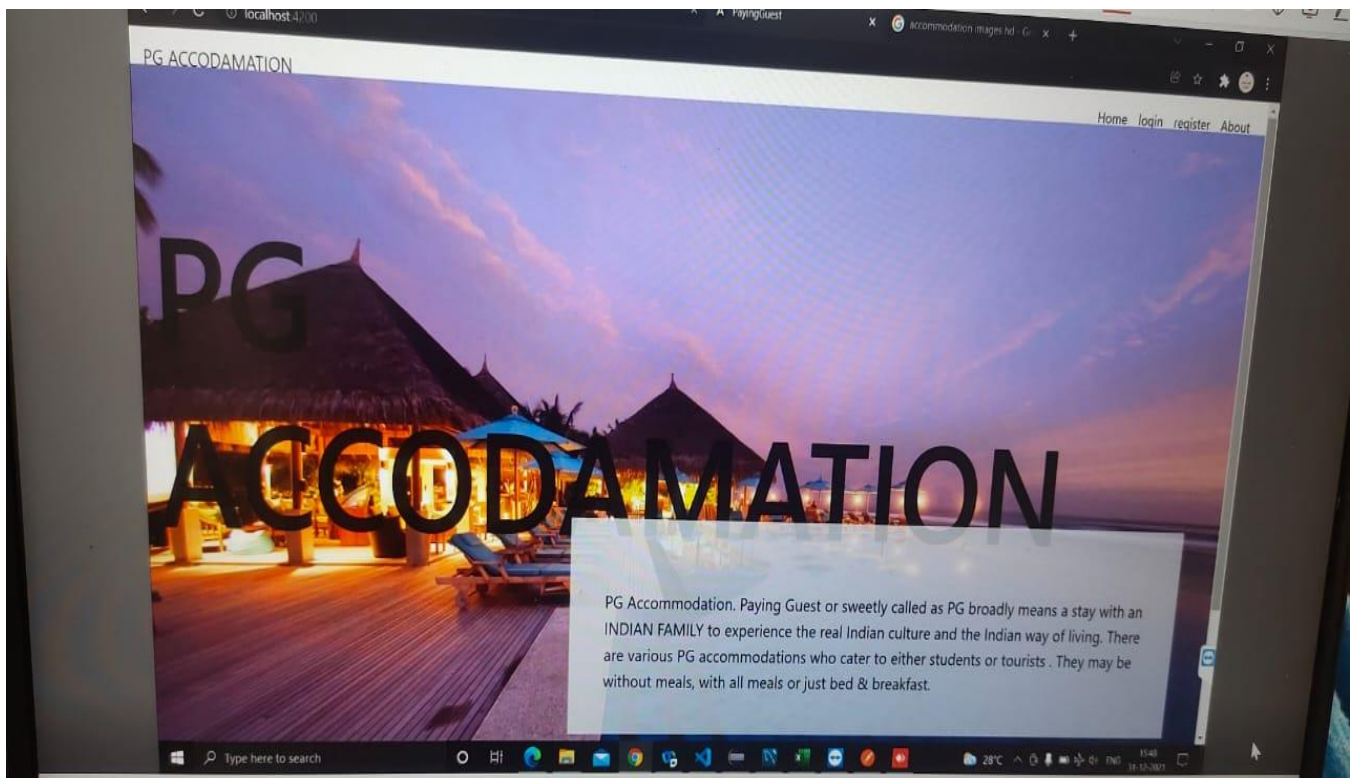
Object Info Session

Output

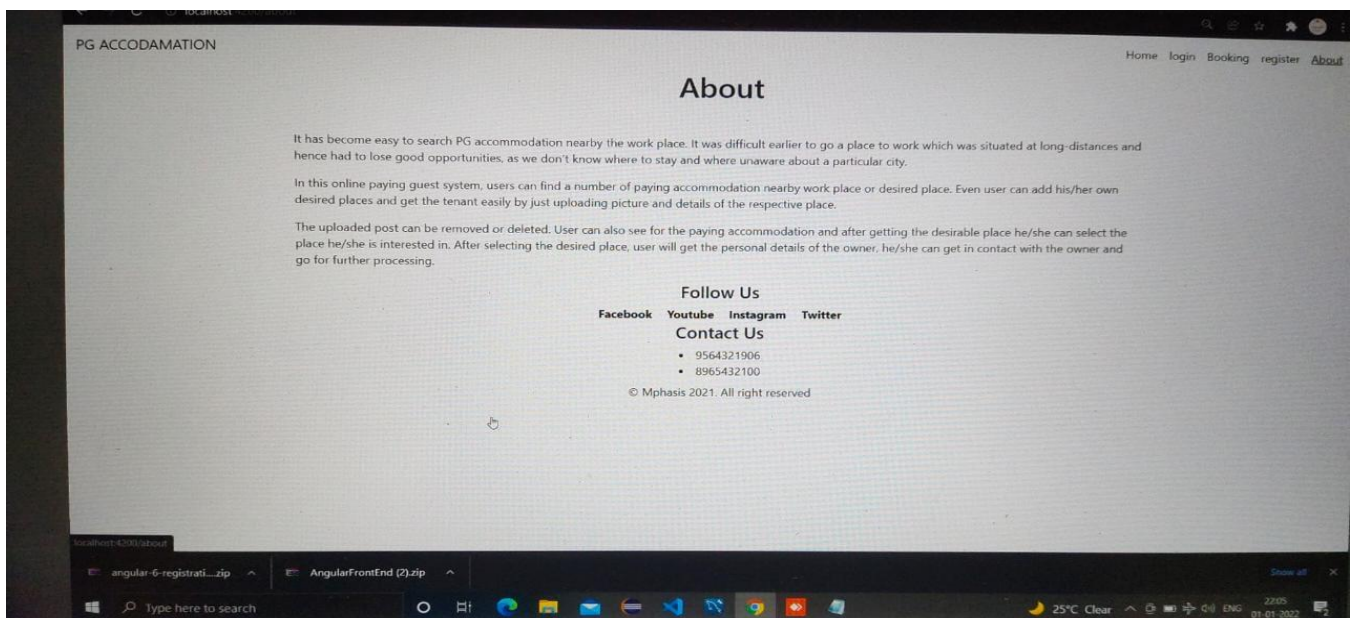
#	Time	Action	Message	Duration / Fetch
1	15:20:06	SELECT * FROM bootstrap.admin LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.





Img1: Pg Accodamaton webpage who wants to search near available Pgs.



Img 2: Pg Accodamaton about and Contact us details

**Img3: user registration from**

PG ACCODAMATION

Enter Users

UserID:

UserName:

email:

Password:

Gender:

PhoneNumber:

submit

PG ACCODAMATION

Home login register About

UserID:

Password:

Submit

[forgot password](#) [register](#)

**Img4:User login interface**

PG ACCODAMATION

Home login Booking register About

pgowner List

id	pgName	typeofpg	rentpermonths	noofrooms	noofsharing	address	location	status
8	sridhya	girls	5200	8	7	jrmagar	bing	available
9	mahalakshmi	girls	8500	7	2	mediwala	bing	notavailable
10	sunrise	boys	4600	2	3	jaynagar	bing	notavailable

Delete Edit Details

Delete Edit Details

Delete

**Img5: Pg list near by available**

PG ACCODAMATION

Home login Booking register About

Update pgowner

pgName:

typeofpg:

rentpermonths:

noofrooms:

noofsharing:

address:

location:

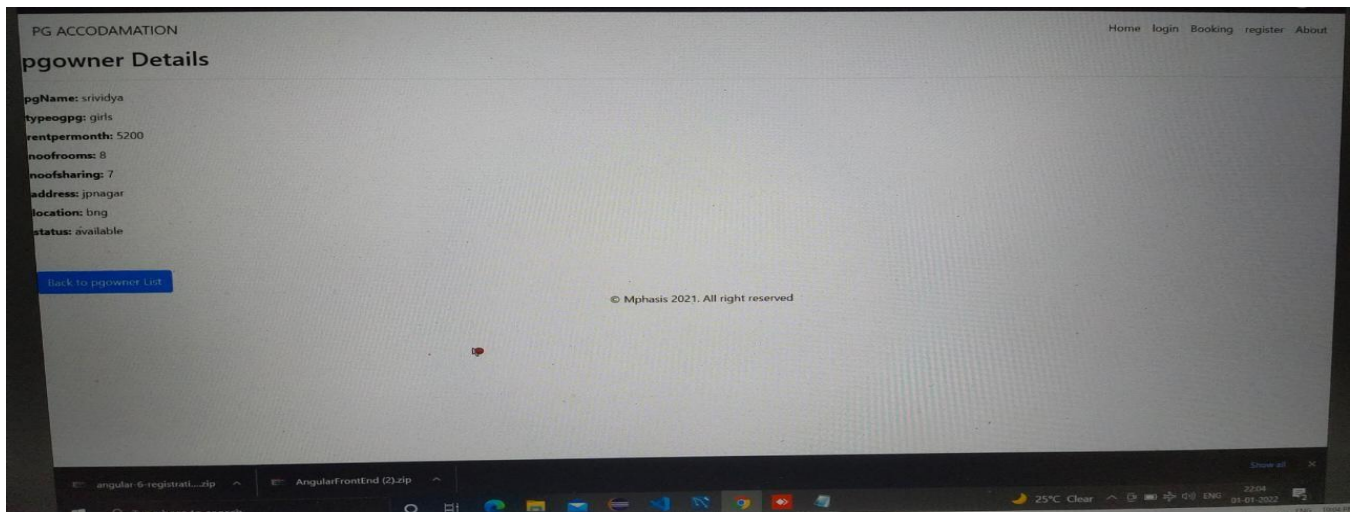
status:

submit

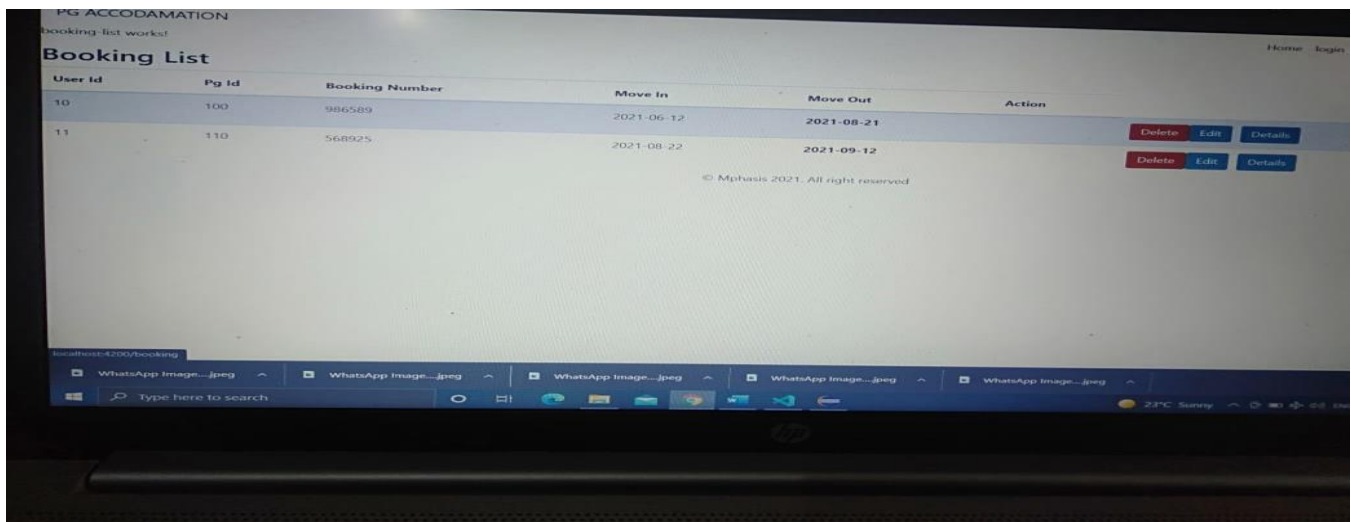
© Mphasis 2021. All right reserved

**Img6: If pgowner want to update which source are available**





Img7: Pg Details who are searching the pgs near by they location



Img8: pg booking list seen by admin

### 3.2 Table Structures

#### USER LOGIN:

Column Name	Data Type	Length	Nulls
Customer ID	int	30	-
Password	varchar	30	-

**Admin login:**

Column Name	Data Type	Length	Nulls
User ID	int	30	-
Pass Word	varchar	30	-

**Pg owner login:**

Column Name	Data Type	Length	Nulls
Vendor ID	int	30	-
Password	varchar	30	-

**Pg owner and User registration:**

Column Name	Data Type	Length	Nulls
pgid	int	30	-
Address	varchar	255	-
Location	varchar	255	-
Noofrooms	int	10	-
Noofsharing	int	2	-
Pgname	varchar	30	-
Rentpermonth	int	30	-
Status	varchar	30	-
Typeofpg	varchar	30	-

**PG table:**

Column Name	Data Type	Length	Nulls
<b>Pg name</b>	varchar	30	-
<b>Pg type</b>	varchar	30	-
<b>Choose state</b>	varchar	30	-
<b>Choose city</b>	varchar	30	-
<b>Rent per month</b>	varchar	30	-
<b>address</b>	varchar	30	-

#### 4.0 CONCLUSION

- 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.