

MITWPU
School of Computer Science
Academic Year 2020-21
MCA Tri II
Mini Project on Web Technologies on Open-Source Development
Synopsis

1. Mini Project Topic / Title: PG searching system

2. Details of Group Member:

Roll. No.	Class	Batch	Name of Student	Mobile Number	Email Id
6	FYMCA	5	Madhav Parikh	9998256749	parikh.madhav1999@gmail.com
74	FYMCA	5	Nishant Jain	9521681348	nj27nishant@gmail.com
78	FYMCA	5	Bhupender Kumar	9598585118	bhupenderkumarc7@gmail.com
2	FYMCA	5	Trilok Sharma	7227947952	strilok4031@gmail.com

3. Project Overview / Background:

❖ Introduction:

- This website is a user-friendly website that offers Users to search for paying guest (PG) accommodation.
- Here PG owners can post their Advertisement for their PG along with photos and brief description which they are not able to include in paper advertisements.
- Instead of roaming around the city visiting each PG, Users can see all the PG accommodations throughout the city at their fingertips.
- PG owners can add details about their PG like address, facilities provided, contact details, etc.
- It is cost efficient for both users and PG owners.
- Since it's a website anyone can access it from any device whether it's a smartphone or laptop or any electronic device running internet browser.

❖ **Need of Work / Reason for selection of this project:**

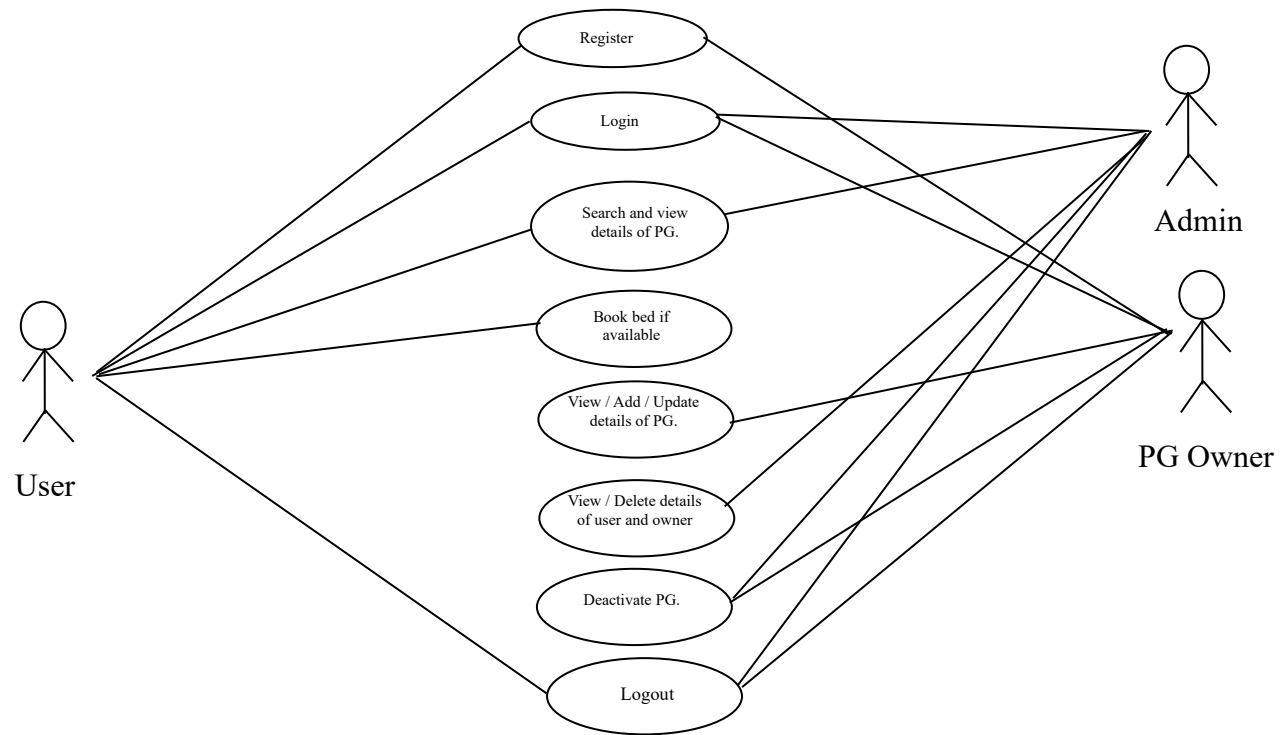
- If you are new in the city and looking for some accommodations to stay, you will have to explore across the city that surely will take a lot of time!
- The process will start as you will contact the PG owner through an advertisement or through someone's reference. You might not have an idea about how the rooms are and what facilities are being provided
- when you visit there and have a look, you may not be satisfied with the facilities provided and sometimes you may be out of budget.
- As a result, it becomes much more difficult for an individual and very time consuming.
- So, to take care of this, we have proposed a system which makes it much easier.

❖ **Objective:**

- The current application is proposed for the users who are new in the city and in search for paid accommodation, and the PG owners who want to provide or convert their property as paying guest service. It saves a lot of time of user as he/she can see all the basic necessary details and facilities of the PG without walking in-person to that PG
- This system has three entities who are given rights on the system based on their roles. The three entities are Admin, PG Owner, User.

❖ **Problem Statement:**

- When a person moves to different city, they always face the issue of accommodation and not many can afford staying in hotels for a long period of time so this system is designed to provide instant list of all the Paying Guests facilities throughout the city on their fingertips which saves a lot of time for that person. So, this website is designed to perform that task effectively and efficiently.



➤ **System Administrator**

- Admin can login into the system.
- Admin can see the PG owner and User account details and he can verify if the PG is authentic or not.
- Admin can Deactivate the PG Owner and User's account.
- Admin can view the Feedbacks given by Users about the PG.

➤ **PG Owner**

- New PG Owners can register into the system.
- PG Owner can login into the system.
- The PG owner can add details and photos about his/her PG and he/she can provide live updates about the availability of the rooms/beds.
- PG Owner can get the token amount from User for reservation of a bed.

- PG Owner can view the feedbacks given by Users

➤ **User**

- New Users can register into system.
- Users can login into system.
- Users can search for PGs across the city.
- Users can also sort PGs according to their preferences.
- Users can check for the availability of the particular bed/room.
- Users can directly contact to the PG owner through the contact details provided.
- Users can pay online token money which ensures the reservation of bed/room.

❖ **Benefits to the surrounding/society:**

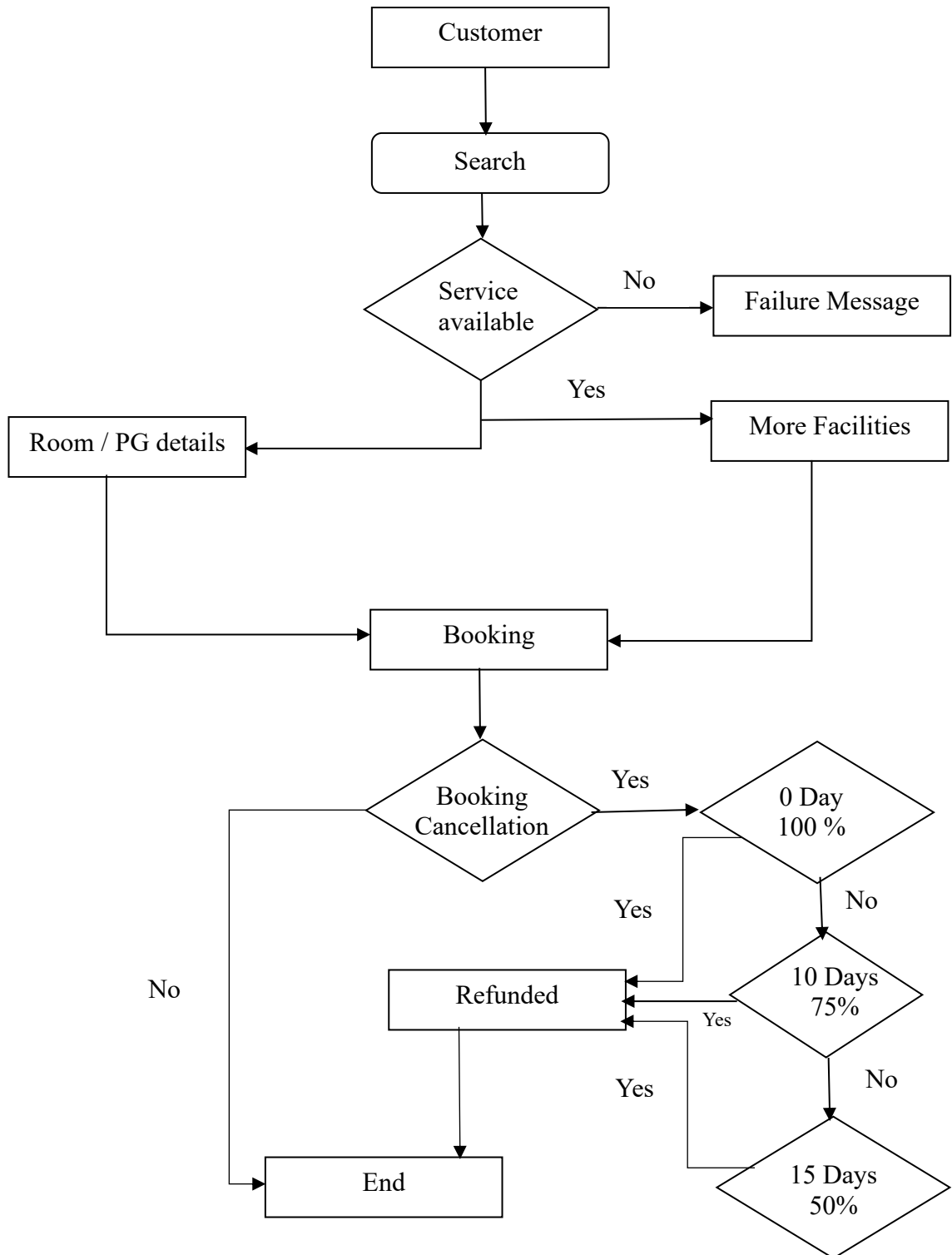
- No brokerage charges from Customers.
- Easy booking of bed.
- No need of intermediate person throughout the process.
- Time and cost efficient for users and PG Owners.

4. Methodology:

❖ Proposed Techniques or methods to be implemented:

- This website gives you a user-friendly platform for browsing through PG's with different facilities, without this you will have to go around the city searching for one.
- Explore the facilities and services provided by different owners.
- You can look for PG's across the city with your desired location and facilities you need.
- Also, you can book a bed in the room by paying a token amount online through the website.
- It allows the PG owners to add details about their PG, which includes the address, facilities provided, contact details.
- Also, the PG owner can provide live updates about the PG i.e, availability of beds.
- After the completion of booking a bed, if a customer wants to cancel the booking then these terms will apply.
 - Full amount will be refunded to the customer if booking cancelled within the same day.
 - 75% of the amount will be refunded to the customer if the booking is cancelled within 10 days.
 - 50% of the amount will be refunded to the customer if the booking is cancelled within 15 days.
 - No amount will be refunded if the booking cancelled after 15 days.
- This system is developed to reduce the work load of a person and save the precious time of the Users.

❖ Project Flowchart:



❖ **Advantages:**

- Easy process to book an Accommodation.
- Provides relevant details.
- Booking will be available 24/7.
- Booking process will be done online with ease.

❖ **Limitations:**

- The website requires an Active internet connection.
- susceptible to attacks.

❖ **Applications:**

- This system can be used by the multiple users to Book Paying Guest Accommodation online.

❖ **System Features:**

➤ **User Management**

The users are managed by the Admin, if any user is found doing any suspicious activity or anything which goes against the guidelines then the admin can block that user from accessing his/her account and admin can unblock user if necessary.

➤ **PG Owner Management**

The PG Owners are managed by the Admin, if any owner is found doing any suspicious activity and using fake details of PG or anything which goes against the guidelines then the admin can block that PG Owner from accessing his/her account and admin can unblock PG Owner if necessary.

➤ **Rights based on roles**

The admin is given the rights to manage all the other entities in the system. The admin will be able to conduct Create, Update and Delete operations on all the entities involved in the system. Similarly, manager and the other employees in the system are given access rights according to their roles.

➤ **PG searching with filters**

Here all entities can search PGs throughout the city with some predefined filters like “only men PG”, “with AC”, “with WiFi” it will display PGs with the selected filters.

➤ **PG Room live availability**

Here PG owner can provide live updates regarding the availability or vacancy of bed in a room or the room itself, so the user can get the idea of how many vacant beds are in the room.

➤ **PG facilities, details, images and feedbacks.**

PG Owner can add the necessary details of the PG and provide the information about the facilities he is providing in the PG. PG Owner can add images of the PG too and can see all the feedbacks given by users.

5. Project requirements:

❖ Facilities required:

➤ **Hardware:**

- The device should be able to connect to internet and should support latest browser software.

➤ **Software:**

- Chrome ≥ 60
- Firefox ≥ 60
- Edge ≥ 16.16299
- iOS ≥ 10
- Safari ≥ 10
- Android ≥ 4.4

6. References:

- ❖ When you read this manual, certain words are represented in different fonts, typefaces, sizes, and weights. This highlighting is systematic; different words are represented in the same style to indicate their inclusion in a specific category.
- ❖ <https://www.tutorialspoint.com/>
- ❖ <https://stackoverflow.com/>

Madhav Parikh (1132200086)

Nishant Jain (1132200472)

Trilok Sharma (1132200062)

Bhupender Kumar (1132200492)