



SMART PG (Paying Guest)

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Abstract — as mobile technology & apps is the latest buzzword today, we have developed app named “SMART PG”. When any person goes to a new city to live as a rental, he/she will definitely get confused. So this application particularly highlights the many advantages of PG (paying guest). This app offers a flexible housing choice to adapt to changing financial circumstances-including the need to relocate quickly. This app is most commonly useful for the young adults who leave their family homes for studies, jobs, etc. The lower transaction costs and flexibility of renting makes it a natural choice during this stage in life. Our app also provides the information about various services like Tiffin service, laundry facility, etc. and also service providers. To help outsiders is the main aim of our application.

Keywords- PG (paying guest), android application, owners, rental home.

I. INTRODUCTION

PG (Paying Guest) by itself is becoming an essential part of living. There are numerous applications that come up with this domain. There are a number of apps that are PG based. “Smart PG” is a new way to help people meet their needs for living. It will benefit the community of students, working people, and therefore the larger community as a whole [6]. “Smart PG”, is an android based application that makes the common people (user) to search for the Paying Guest (PG) all over Vadodara. The PG owners can advertise the PG details by registering into the website which is based on Admin side. Once the admin verifies the details and authenticate the login, the owners will be able to login and can also able to upload the PG details into the application. The users can view those details and make use of this information to search for the PGs according to their needs. This application helps the users to view the PG details, the facilities in the PG and so on. The users can also search the PG's information based on some parameters such as colleges nearby, rent, Wi-Fi etc...This application will be useful to anyone who is in search of a place to stay. This system mainly focuses on the PG owners as well as the common users who are in search of PGs who come from different places to study as well as to work.

Smart PG also provides the information to the users about the necessary facilities required to search PGs according to their needs. This would help them be aware of all the PGs according to their comfort zone by filtering them. By just providing the required details, the user can find the PG from nearby location and view the details by registering in the application where immediately the details will be directly sent to admin. The admin can then verify and make the required authentication. This application helps users to find the PGs faster and it's more convenient and simple to understand and use.

II. LITERATURE SURVEY

As compared to the other applications like Zocalo, Peprooms, Zelo where the app focuses in giving the static information about the PGs, but not the dynamic i.e. there is no in-depth details about the PG's all over the Vadodara.

Our app, “Smart PG” is an informative application which is providing the information based on our city. It will provide the information to those people who are staying in our city as a paying guest. Mainly it will give a list of available houses for rent in their required budget. This application gives detailed information about all the PGs around Vadodara and also they are all sorted according to the area, so that search can be made easy. Thus allowing the users to search it according to their need, there are no specific applications on this domain. But there are static apps which does not give a detailed description about this domain. When the users are viewing the different houses, Instead of directly booking the house they can added to their favorite. And then from this sorted list of houses users can book the house later on.

In our application, we are also going to provide various facilities like Tiffin service, Laundry service, Gym etc. In the Tiffin service, users will be given a choice to choose from different kind of menus like Punjabi thali, Gujarati thali etc. Users will be also given the facility to take advantage of nearby laundry service, gym etc.

III. PROPOSED METHODOLOGY

- Quick search of PG.
- Add favorite searches to the list.
- Providing the list of houses with necessary information.
- Can view different advertisement of houses with different facilities.
- Providing Tiffin service with good quality

- Laundry service
- Hotel facility
- Gym facility

IV. IMPLEMENTATION

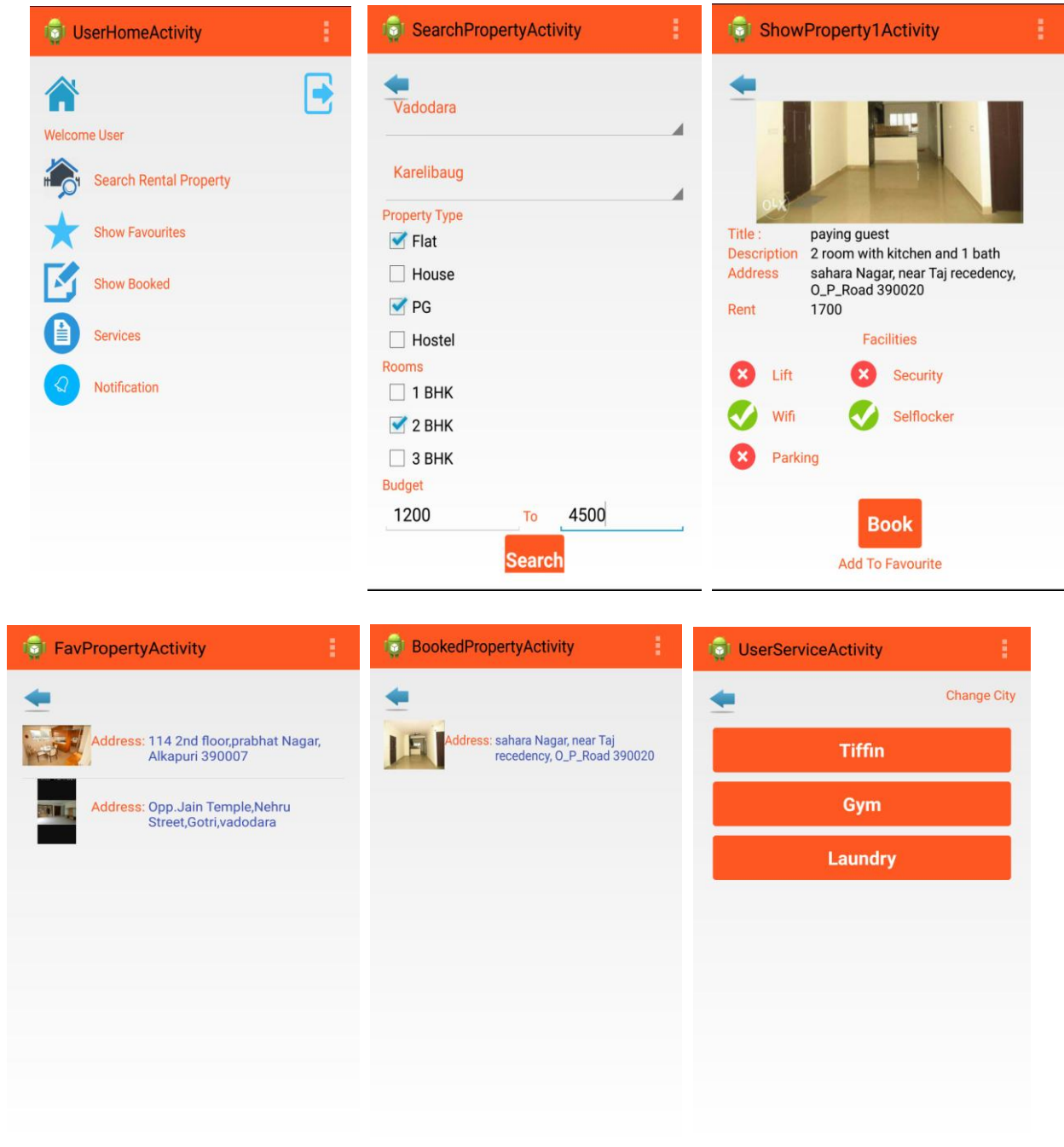


Figure 1 Results

V. CONCLUSION AND FUTUREWORK

We are designing an android application “SMART PG” using which users can quickly search rooms for PG. Users will be provided with different services like Tiffin service, Laundry services and etc. This application gives detailed information about all the PGs around Vadodara and also they are all sorted according to the area, so that search can be made easy. Thus we have integrated a lot of features in one app. We have designed our app “SMART PG” on android platform. In future, we will try to make such an app which can implement on every platform.

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