

Hostel and PG Finder Application

Vaishali S. Rajput, Satyajeet B. Jadhav, Makarand D. Jadhav,

Rohit D. Jadhav, Rohan D. Jadhav, Pranav B. Jadhav

Vishwakarma Institute of Technology, Pune, 411037, Maharashtra, India

Abstract —

Finding a hostel for a student is a time taking and tiring process, even hostels face difficulties in finding students quickly. Students have to travel to the hostel/PG to decide the better choice for them and go through all the hectic paperwork. Well here Hostel and PG finder comes in. The main goal of the project is to increase the quality of the education system, it allows the student to find hostels on basis of their location and need. Hostel owners get to show their facilities and services, and the types of rooms available in their hostel or PG. Students can register on the app and can check the services available at different hostels or PGs

Keywords: - accommodation, android-based application, facilities, hostel finder, location, rent

I. INTRODUCTION

It is very difficult to search for a good hostel or PG at a cheap price these days. It is very hard and time-consuming to visit and check all the hostels/PGs in an area and find the best one individually. This application is developed for easily locating hostels/PGs in a particular area at any location. This app will solve the problems related to searching for a hostel/PG with feasible rent and an appropriate location. Hostel and PG finder app is an android app that helps to find a good and recognized PG. The main objective of the project is to make an application that provides hostel/PG information about location, amenities, facilities, rent, contact no. also photos of the hostel/PG, etc. at the fingertips of the users. The process of searching for a hostel or PG will become easier with the introduction of this app. Also, unnecessary wasting money on the brokers is also reduced with the use of this app.

II. LITERATURE REVIEW

Rupali Burde et.al. [1] have reported a website ecstasy which aims to provide accommodation facilities for people who are non-residents in a city. According to this paper, users can view the residences on the website. Only the registered users can give feedback, comments, or ratings to the facility. He/she can contact directly to accommodation facility owners. A collective platform for hostels. Rooms/flats, mess which will help new residents to settle in new cities.

Akshatha, Bhavya B. [2] has reported an android application (PG Locator) to find good and authorized PGs. According to this document, the aim is to provide PG with information regarding its location, facilities, food, price, maps, transport facilities, and security measures. This app has been reported to hang/lag on some devices.

Karan Singh Patel et.al. [3] have reported a web application called Hostel Finder: Web application which provides a platform for users to search hostels and hostel owners to find hostellers. It aims to implement an electronic web application that will streamline the process of finding a hostel and registration process and also reduce the administrative tasks and paperwork.

III. METHODOLOGY

Existing System: In the existing system a customer can get only a little information like address and contact number. Due to a lack of information like room details, security measures, and quality, the customer cannot find a good PG/hostel.

Proposed System: The proposed system is an android-based application. The application will help to easily go through the various hostels available at a particular location. The users can choose the best hostel/PG according to their choice. The user will get all the information regarding the hostel like no. of rooms, photos of the hostel, rent per person, etc. at their fingertips anywhere anytime.

Testing:

The application is developed for the Android 5.0 (Lollipop) version and above, this application will run on approximately all devices.

The application was tested on Redmi Note 7 Pro, Samsung M31, OPPO A16, Vivo Y11, and Samsung J7 next devices, and testing is also done on a Virtual device on Android Studio. There were no issues found while testing the app. The app was running smoothly on each device

This app will be used by the hostel/PG owner and hostilities. The basic idea of the app is that the hostel/PG owner will showcase his/her hostel/flat to the users. The users will be able to see a lot of hostels/PGs available in their area. The users will be mostly students who can choose the hostel/PG according to their choice.

IV. PROPOSED FEATURES

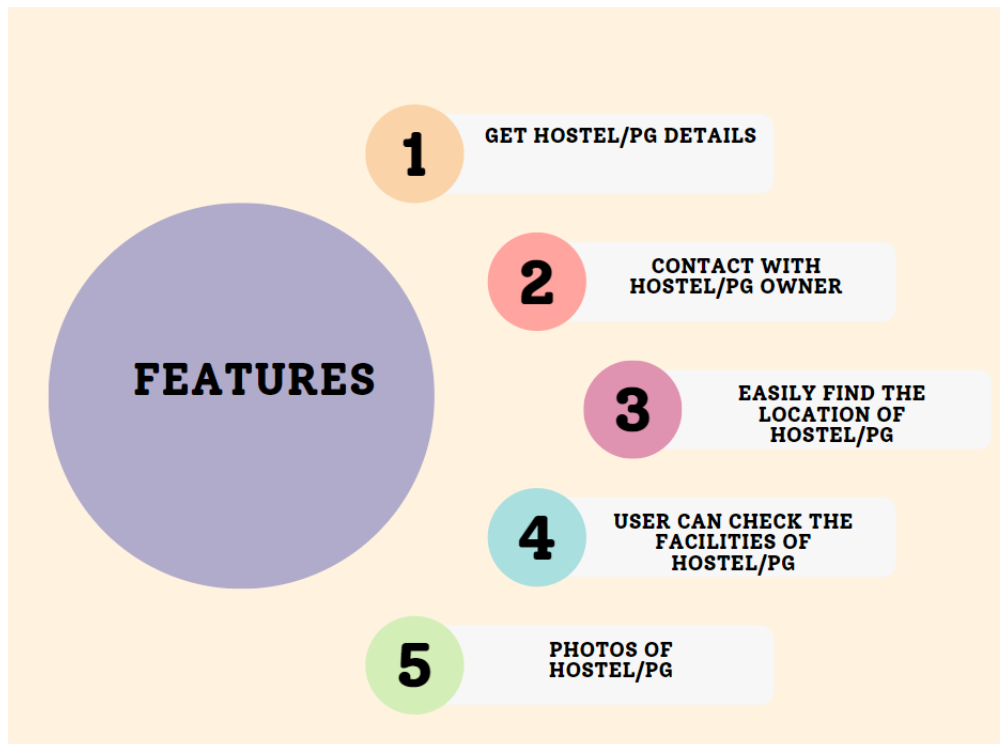


Fig 1: Features of the application

In this project, we have implemented the features like,

- The user will be able to get the details of the hostel or PGs in his/her area very easily.
- Students can easily contact with the hostel/PG owner if they have any queries.
- Also, the location of the hostel/PG is mentioned in the application, so the user will not face any difficulties in finding the hostel/PG.
- User can easily check the facilities available at a particular hostel/ PG like the number of rooms, number of beds, furniture, etc.
- We have tried to make the app user-friendly so that the users will not face any difficulties while using the app.

V. RESULTS AND DISCUSSIONS

Here are some of the screenshots of the application:

Fig 2 : Signup Form for user

Fig 3 : Add hostel details



Fig. 2 : View hostel details

There have three modules in the application

- I) **ADMINISTRATOR MODULE:** This module provides administrator-related functionality. The administrator manages all information and has access rights to add, delete, edit and view the data related to PG, User, etc.
- II) **HOSTELLER MODULE:** After registration, the user can obtain the details of PG located in a place. A user can select the appropriate PG depending on the information provided like security, no. of rooms, price, etc.
- III) **HOSTEL OWNER MODULE:** The hostel owner can log in to the app and add the details about another hostel or PG

VI. FUTURE SCOPE

Many more features can be added to the project in the future like we can add the mess available near the hostels/PGs and their price per month. We can also add a rent payment option directly in the app so that it will be easy to pay the rent and keep track of the rent paid.

VII. CONCLUSION

Hostel and PG finder is a user-friendly app that helps students and bachelors easily locate authorized PGs and hostels. It takes a lot of time in searching for your desired hostel/PG. This app turns out to be very time-saving for us. It will solve the problems of many students and bachelors of finding a good hostel/PG up to a large extent. This app aims to reduce the effort and mental stress of finding a hostel/PG. This app will help to improve the productivity and reliability of the hostel registration and make the hostel/PG finding process more efficient.

REFERENCES

- [1]. Head First Android Development by Dawn Griffiths.
- [2]. Android App Development For Dummies by Michael Burton.
- [3]. Programming Android by Zigurd Mednieks, Laird Dornim, G. Blake Meike, Masumi Nakamura.
- [4]. Android Programming by Bill Phillips, Brian Hardy.
- [5]. the Complete Reference JAVA by Herbert Schildt.
- [6]. Hostel Finder: Web Application Karan Singh Patel, et.al., 2018.
- [7] Quick Searching of Accommodation Facilities for Non-Residents in a City Rupali Burde, Nupur Jaurkar, Nupur Anturkar, Mukund Ankar, Samidha Surjuse, 2018
- [8]. PG Locator Akshatha.M1 , Bhavya .B., 2017
- [9]. Elmasri and Nava the “Fundamentals of Database System” Person Education Ltd 5 h Edition.
- [10]. Android Programming The Big Nerd by Brian Hardy
- [11]. Java: oracle.com. Retrieved 13/5/20
- [12]. Prof V. B. Dhore, et.al “Digital Table Booking and Food Ordering System Using Android Application”