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Survey on Online Hostel Booking Application

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ABSTRACT: This paper presents an overview of mobile apps targeted to the hostel decision making currently available in Google Play Store, android operating system. In addition, a solution of the given problem is designed and presented in the form of an android application. The paper also discusses the scope of the applications, and what improvements must be made to make them reach to a wider audience. The previous studies assessing the online hostel decision making behaviors, however, mainly focused on behavioral intentions as well as identifying factors that directly influence the transactional behaviors, which rely on a static approach rather than employing the holistic viewpoints. Thus, this research adopted the choice-set model as a theoretical lens to explore online hostel booking behaviors by using multiple methods (i.e., observation and survey methods). The findings of this research shed light on the dynamic patterns of online hostel decision making process and identify important factors (i.e., internal and external information sources) across sequential stages of the choice-set model. Therefore, this research provides useful implications to online hospitality.

KEYWORDS: Google Play Store, Online Hostel Decision Making system, Smartphone.

I. INTRODUCTION

Education is very necessary for each and everyone in order to improve knowledge, way of living as well as social and economic status throughout the life. It helps a person to get knowledge and improve confidence level all through the life. It plays a great role in our career growth as well as in the personal growth. Thus, For Education purpose Students have to move from their home place to their school college city. And here the point comes where to stay?

However, students living in the hostels and those who wish to join hostels find it hard when it comes to booking a hostel/hostel room and finding the hostel of own preference respectively. For that they have to contact to broker in such case broker charges some fees in returns of finding the rooms it may be one or two month of rent. To avoid this hefty brokerages and to save time, energy and money. We found solution Hostel Rooms.

Challenges arise when both students have to look for and identify hostels for residing in but within their own preferences of price ranges, accommodation facilities/services offered, and nature of the environment. In most cases, students end up joining hostels they wouldn't have wished to join. This is due to the fact that there is no proper means of enabling students access hostels and acquire detailed information about the available hostels.

The aim of this project therefore, is to design and develop a Android application Hostel Rooms to help hostel owners properly manage their hostels and also provide students with all the necessary information about the hostels they would prefer living in. It is always hard for students to attain information about the various hostels such as, distance of hostels from the university facilities, the available conditions around the hostels, satisfaction with transport, hostel security, room size, and safety. It also helpful to find best mess service nearby hostel"

It is hypothesized that there should be a more efficient way to help students find hostels more easily with the exact characteristics they want and hostels information should be availed to the students by the hostel owners.

II. RELATED WORK

APPLICATION DEVELOPED PREVIOUSLY:

- 1.Hostel World.
- 2.Flatchat.
- 3.Nobroker

1.Hostel world

“ We're on a mission to show the world what the modern hostel looks like and to inspire young travellers to Meet The World and celebrate the unique experiences that staying in a hostel gives you.”

The motivation itself helps us for the introduction of the application , the application is simply based on the tourism or exploring the new places .The people having the hobby to discover new places can have the advantage of this application .Main purpose of the application is that people should have more kind of travelling and that of without hesitation of lodging or rooms purpose .The application provides the rooms for limited or number of people travelling in a group and that too in limited kind of cost. The access to the application is very easy you just have to go for the website and choose the destination it shows the number of options of rooms ,villas ,beds according to number of people you are travelling with .The main motivation of application is the visitor should not have any time consumption regarding stay .The registration or suggestion you get is free of cost hence no broker charges applied .Once you register your room you need not have any kind of problem regarding to room on reaching your destination.

“Use simplicity and smart thinking to be agile and improve everything we do. Let’s make complexity our enemy and simplicity our mantra.”

System Architecture:-

For Consumer:

For Owner:



Fig:1.1 Working flow of Hostel world

2.Flatchat

As we know that, for educational purpose many people have to change their cities. And thus they need a place to stay such as which match their environment . So for this purpose there is an Application called as FLATCHAT . A app for rooms, PGs on rent .This app provides a platform where homeowners and potential tenants can share their location, find contacts in their vicinity and chat with them. It also allows you to sign up to find suitable flatmates to share a rental with. This can make the otherwise difficult process hassle free, since you can find people with the same budget and location preference as you, as well similar hobbies and habits. “ What we have seen is that finding flatmates and shared places is still a very huge problem especially in cities like Mumbai, Delhi and Bangalore. Currently people rely on Facebook Groups to find shared places and flatmates. And that’s what lead to the birth of Flatchat.” . This App is most popular big cities of Education like Gurgaon, Jaipur, Kota, Chennai, Pune, Bengaluru, Mumbai, Pune, Delhi, Hyderabad. Flatchat provides a personal assistant to help you look for your desired flats. This one point of contact is what the Flat chatters call “Flatchat Assistant or FA”

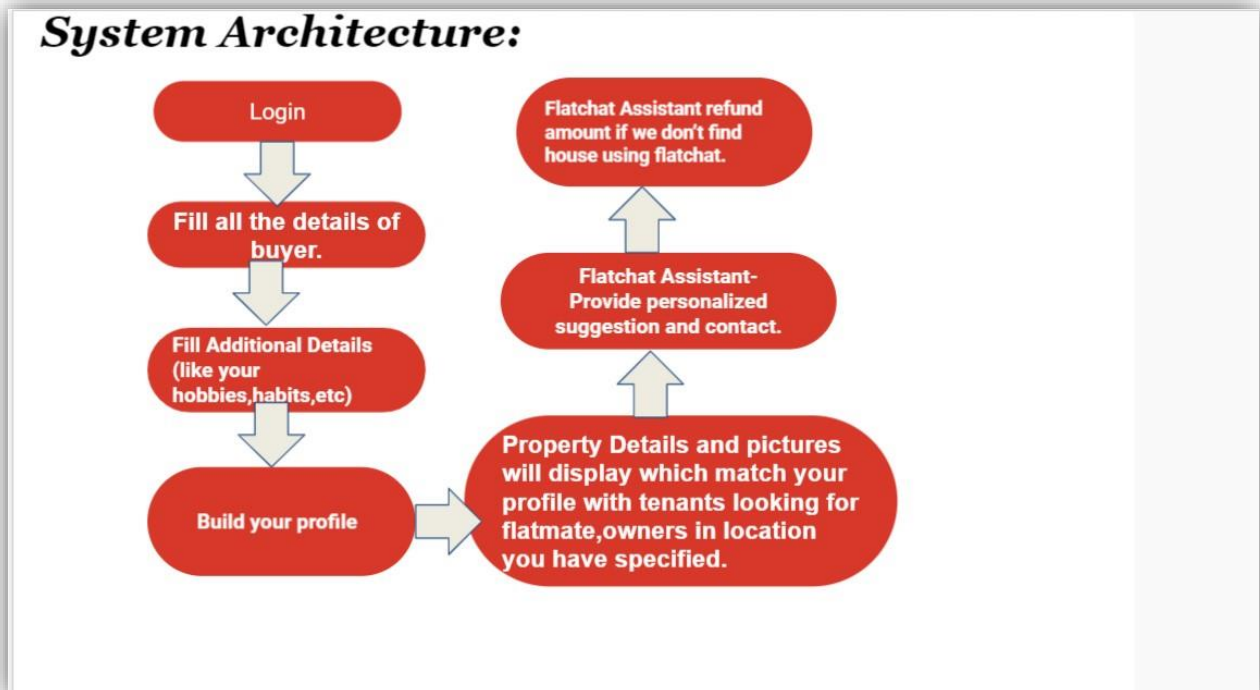


Fig :2.1 Working flow of Flatchat

3.Nobroker

Nobroker helps customers make smarter real estate decisions, with the help of artificial intelligence With algorithm that connect property owners direct with buyers and tenants, it saves customers \$150 million in broker fees per year. Nobroker now offers a suite of real estate services from rent payment to visitor management on its digital portal.

The real estate industry in India is undergoing a digital transformation. Real estate companies are investing in new technologies such AI, cloud services, and mapping platforms to address changing trends and customer demands. Nobrokerreinvents the real estate experience with an AI-driven platform to link owners to buyers and tenants directly, without the middleman.

High broker fees and duplicate listings are common pain points for property owners and home seekers in India. Some brokers charge as much as 10 months’ worth of rent or 6% of a property sale in broker fees. Customers save on brokerage fees by using No Broker’s app for end-to-end property services from listing to closing.

“We’re running AI algorithms on Google Cloud to match customers with top properties that meet their requirements,” said Akhil Gupta, co-founder and CTO of NoBroker.com. “Our AI applications will continuously learn from new datasets and deliver more accurate results for property owners, home buyers, and tenants.”

Having established its presence over six years, NoBroker is now focused on improving its services using innovative technologies. It delivers the benefits of machine learning to its customers through AI projects such as Smart Recommendations for quality of life indicators, Rent-o-meter for rent predictions, Refer-And-Earn for crowdsourcing property listings, and Touchless Entry for facial recognition security features.

The Smart Recommendations project helps customers to find their ideal place to live. Using Google Maps Platform as a data source, the algorithm searches for local amenities and public transit and assigns a Livability score and Transit score. Such information complements property details from owners and helps buyers and tenants to make informed decisions about each property.

Finally, the Cloud Vision-powered program uses crowdsourcing to generate 35,000 property listings every month. Anyone using the Nobroker app can upload a photo of a “to let” or “for sale” board to the platform. The optical character recognition (OCR) feature on Cloud Vision AI extracts the owner’s phone number from the photo and correlates it with listing user information on NoBroker’s MySQL database. It’s a win-win for everyone. The finder earns approximately \$1.35 for each verified new listing while the owner gets more visibility for their property.

System Architecture:-

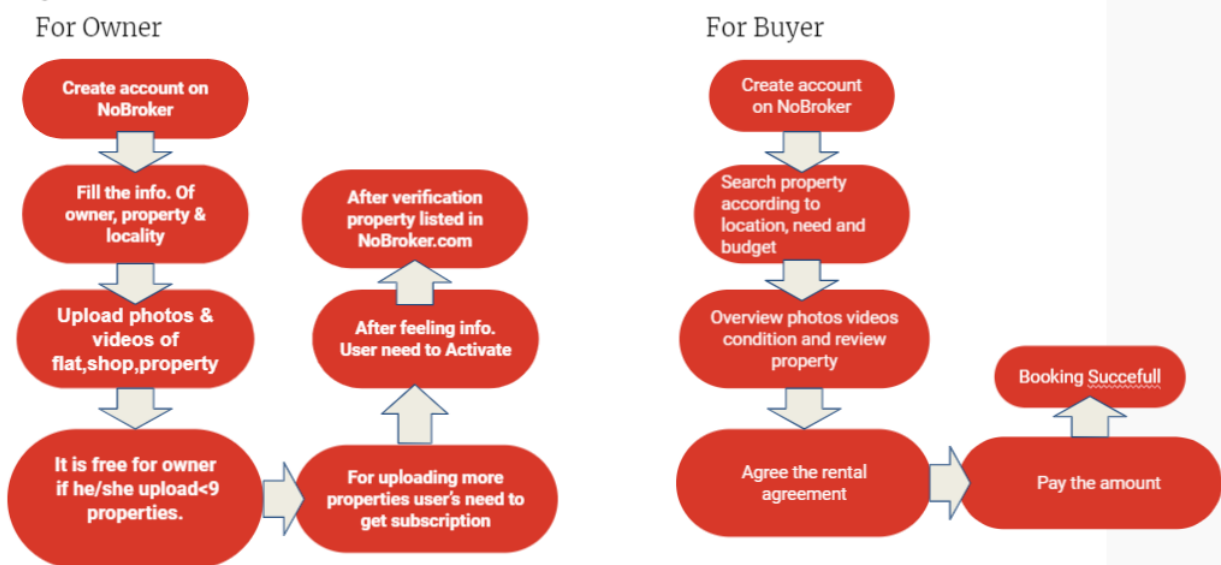


Fig: 3.1 Working flow of Nobroker.com

4.OYO Rooms

You can now find nearby hotel rooms, discover Made for 2 offers & search for the best deals in your budget and travel around the globe with OYO. OYO Hotels & Homes is South-Asia’s largest hotel chain with 330000+ exclusive hotel rooms in India, Indonesia, Malaysia, UAE, USA, Saudi Arabia, Nepal, China, UK, Philippines, Thailand & more. Use the OYO hotel booking app to plan your business trips, leisure holidays or backpacking vacation with OYO Hotels & Homes and avail the best offers & discounts on hills, beaches & forts in over 12000+ exclusive hotels in Goa, Kochi, Pondicherry, Ooty, Shimla, Manali, Munnar, Delhi, Gurgaon, Jaipur, Udaipur, Bangalore, Mumbai, Kolkata and over

800 OYO cities. Pick your cosy Holiday Homes at best prices for Villas & Apartments with OYO Homes. Find the space for new-age business travellers with Collection O, a part of OYO Hotels. Experience the coolest hotspot in your neighbourhood with OYO Townhouse for Smarter Rooms with Netflix connections & Smarter Service like Indigo, Taj, ITC etc. Choose Executive apartments with stylish interiors located in and around Corporate hubs with OYO Silver Key’s stunning rooms.

“Get super savings by pre-booking your meal before you reach your OYO Hotel room to get upto

20% off with an OYO Meal Plan You can now get all your hotel room booking updates on WhatsApp from the OYO app.”

III. PROPOSED SYSTEM

Hostel Room is Application developed for managing various hostel available around the educational institutes. For the past few years as number of educational institutes are increasing rapidly. Thereby the number of hostels are also increasing rapidly. However, students living in the hostels and those who wish to join hostels find it hard when it comes to booking a hostel/hostel room and finding the hostel of own preference respectively Hence the application deal with problem on managing hostels and avoid the problem which occur when carried manually. Therefore the main objective of the application is to have no broker charges and get the best hostel facilities to the required student. application Hostel Rooms to help hostel owners properly manage their hostels and also provide students with all the necessary information about the hostels they would prefer living in. It is always hard for students to attain information about the various hostels such as, distance of hostels from the university facilities, the available conditions available facility, hostel security, room size, and safety. It also helpful to find best mess service nearby hostel. Hence using this application students coming from another city can easily get to know about multiple hostels as we provide their location to distance to key utilities and driving direction to place our choice. The application is developed for automation of manual work done by the students and job workers. The Application will be great relief to the hostilities.

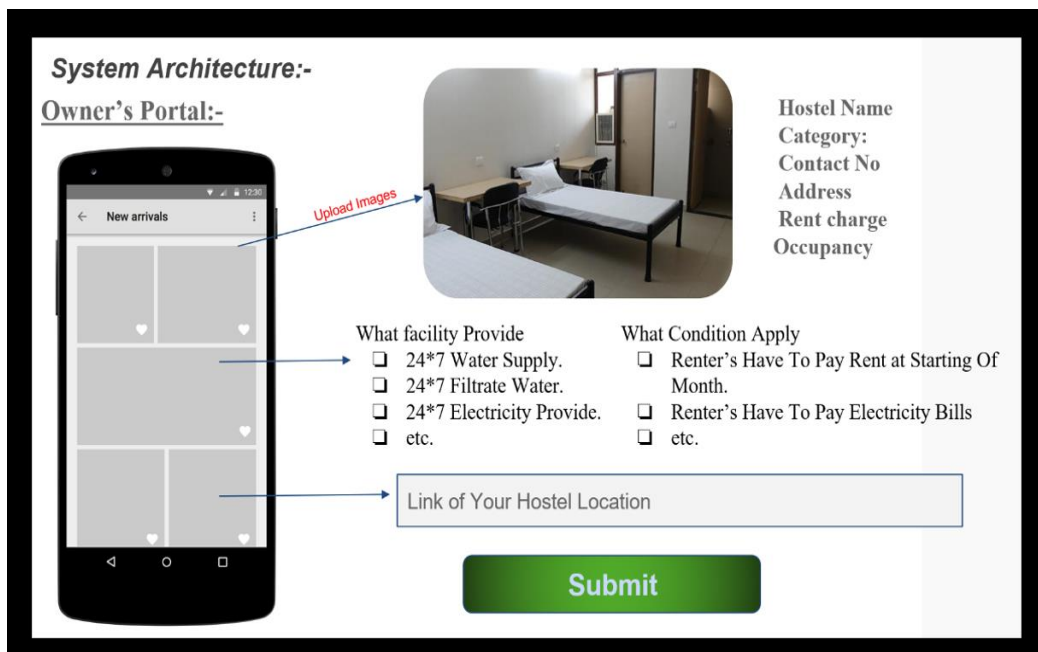


Fig: GUI for owner's portal (Proposed system)

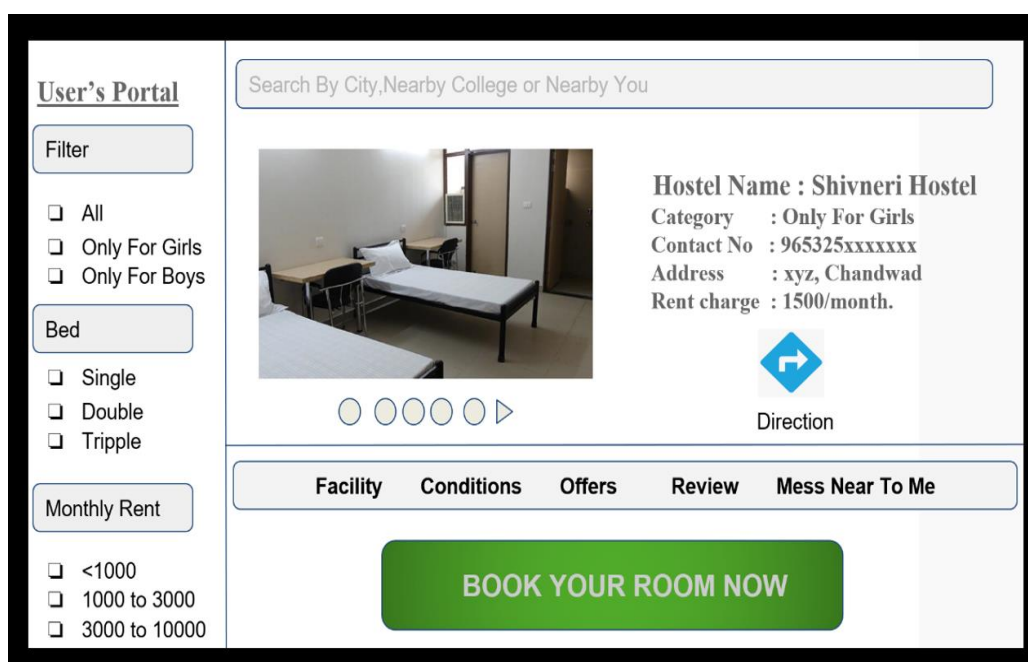


Fig: GUI for User's portal (Proposed system)

Key features:

- To connecting owners and tenants under one roof.
- Owners and agents can list their property.
- Students and job workers can directly get in touch with owners
- Direct connect owners and tenants.
- Tenants can access all information related listed property.

IV. CONCLUSION

Different apps are developed and are used by the owner's and tenants for their specific purpose. Many apps are being utilized for different kind of functionality regarding the activities like hostel management system for the owner's, hotel booking system, specially for mess services. specially for sell and rent properties like shop apartment. We conclude that the functionalities listed in the different applications should be available in a unified one which will be easy to access.

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