ROOM FIND AN ANDROID PROJECT

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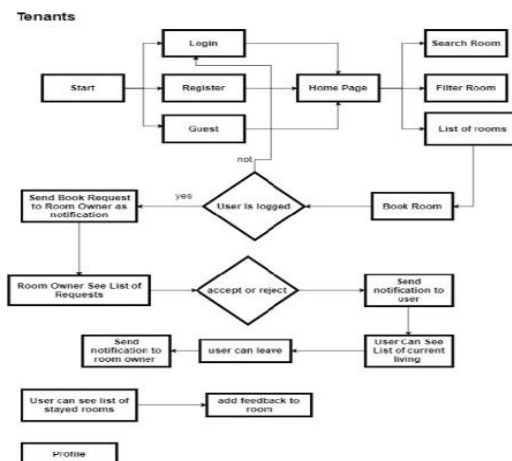*1,2,3,4Dept of Computer Engg

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ABSTRACT

A Location Based System is an android application for tenants who are struggling to find a safe and convenient place to live with their family or as a bachelor. According to an estimate, there are around four million people who are living bachelor life. Every year a lot of people's comes in city and they face a very critical situation to find their living place. But we find a very easy and smart solution which is a location based application. There are three categories of room owner system, one is for two rooms, the second one is single room and the third one is Banglow. By this app anyone can find their sweet room from an by searching and any room owner promote their room by add post in this app. We use flutter and dart for developing the app. We also use Google Map API. This location based application is very useful for students.

I.   INTRODUCTION

When app is open it asked for registration, you can register as room owner or tenant, or you can skip registration part and views rooms, you can search room with particular cities and you can also filters through pricerange, nonsmoker, nonvegetarian, drinker...etc or filter room through family only, girls only, boys only also, when you request room you must logged As a tenant when you like room you can send a request to room owner, room owner receive notifications like someone is requested you, room owner can accept or reject, when rejected or accepted tenant receive notifications, when accepted from that date room is now unavailable not displaying in search, room owner can view theirs room history in which this room has until this tenant stayed. Room has facilities, personal traits like vegetarian, review, tenant can review room, people can see review and rating also Tenant can see their room history in which they can see I stayed from this date to that date. Also people can see room owner profile and phone number also Room owner can create edit and delete rooms, when room is booked room owner can see this room is not available or someone stayed, not available rooms are not displaying in search People can view room details rating review room owner profile with phone number and also what type of room owner is! Is room owner drinker, smoker etc. Room has location you can go through exact location of that room, it shows how much distance long, time...etc All Tennant or room owner can put profile pic I like WhatsApp all the location is fetch real-time when you installed app it asked for location permission phone verification like WhatsApp it send you OTP, when you register or login install in android smart phones .application will make easy to find .When room owner is add room automatically location is fetch also you can change

Flow Chart Of Project

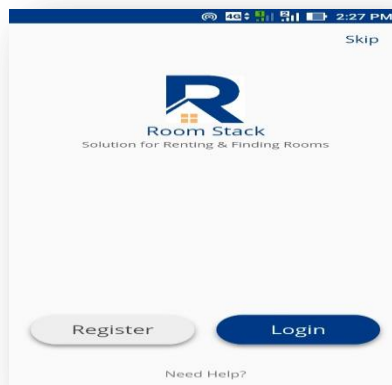**Fig:** Flow chart

Image

Installation:

Fig: Installation

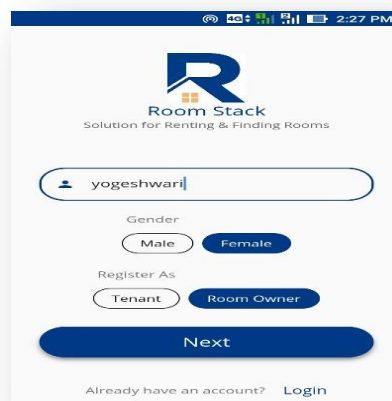Above fig. Shows the installation of application

Authentication:

Fig: Authentication

The above fig shows the registration page where you have to fill tenant details as well as owner details like name mobile number. You can add
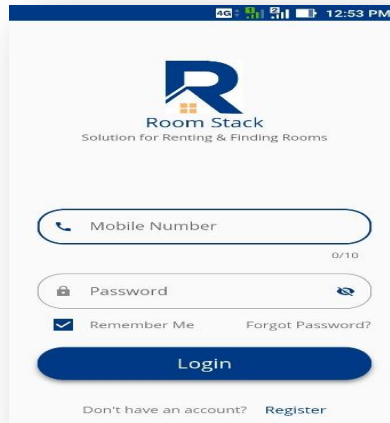
Registration:

Fig: Registration

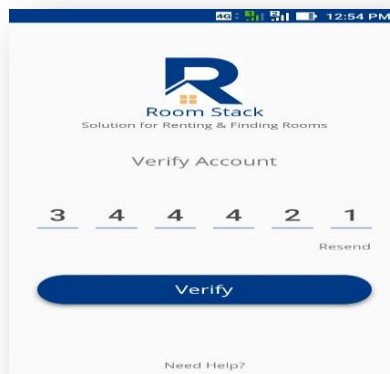After filling all the details about owner & tenant

Login:

Fig: Login

As you can see in above fig we fill the details like mobile number, password than login.
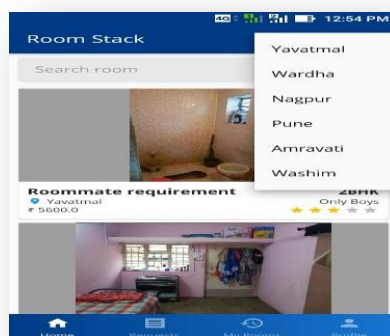
Verify account:

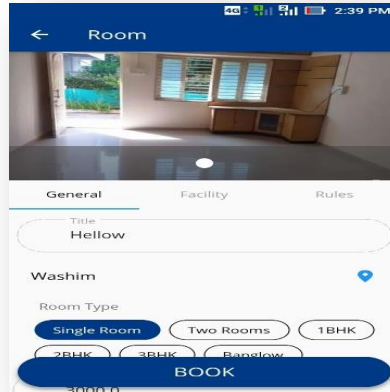**Fig:** Verify

After login get a otp and verify.

Rooms:

Fig: Rooms

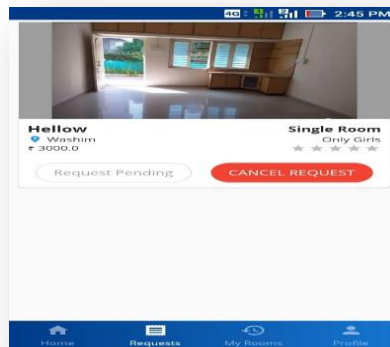As you can see all the rooms available on the page.
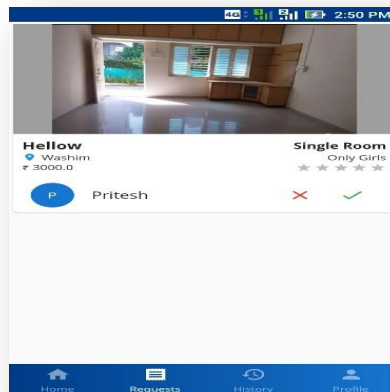
Book:

Fig: Room Book
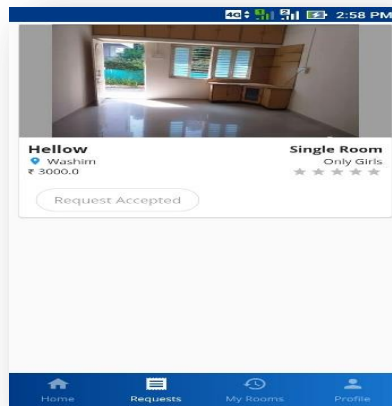
When You like room you can book.

Requests:

Fig: Requests
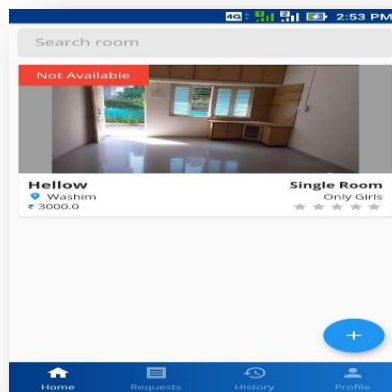
When you like room you can send a requests room owner.

Fig: Requests accepted

Room owner can accept or reject when rejected or accepted tenant receive notification.

Fig: accepted

Owner can accepted tenant requests.

Fig: Not Available

When owner can accepted requests from that room is not available displaying in search

Fig: Filter

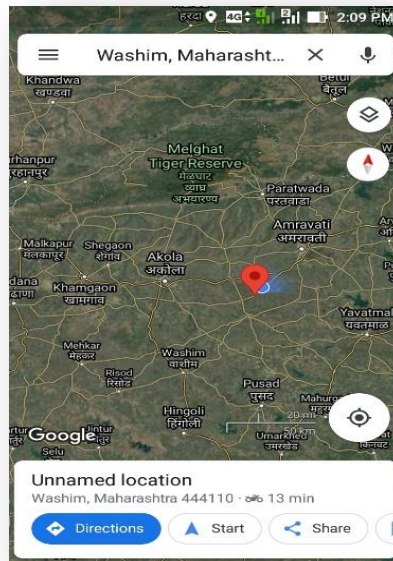You can filter through vegetarian, no drinker, only girl etc.

Map:

Fig: Map

You can exact location of that room its show how much distance long etc.
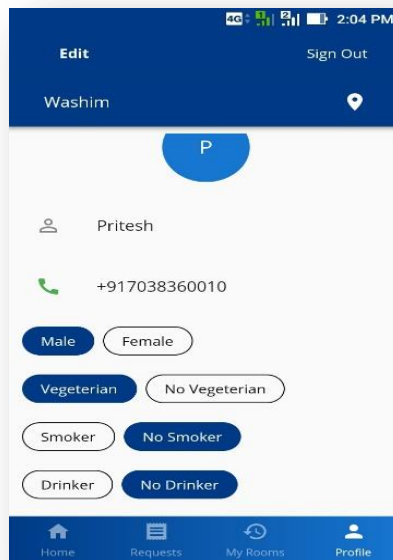
Sign Out:

Fig: Sign Out

All tenant or room owner can put profile pic I like that. and sign out your account room owner also tenant.

Advantage

Easy to use It is supported by3G,4G, Edge network and GSM API such as GPS used for location service It datastores

Disadvantage

Its not upload in play stored

II.   CONCLUSION

Application will be a service which will connect tenant to owner and vice versa.it will save the physical hard work and invaluable time to find room.it will save resources for search the rooms.it will be a open source application which can be freely

III.   REFERENCES

[1]   Kriha Walter, 2009 NoSQL Databases Hochschule der Medien. Stuttgart Media University Stuttgart.

[2]   Sharma Vatika, Dave Meenu. 2012. SQL and NoSQL Databases. International Journal of Advanced Research in Computer Science and Software Engineering. Volume 2, Issue 8, August 2012

[3]   BillStonehem, Google Android Firebase:Learning the Basics Paperback, 2016.

[4]   Jonathan Simon,-Head First Android Development ,Published by O'Reilly Media, Inc., 1005 Gravenstein Highway North, Sebastopol, 2011.

[5]   Abbey Deitel, Harvey Deitel, Paul Deitel,Android™ How to Program, Second Edition, Prentice Hall, Release Date: January 2014.

[6]   Brian Hardy, Bill Phillips, Android Programming: The Big Nerd Ranch Guide,-, Publisher: Big Nerd Ranch Guides, Release Date: March 2013.

[7]   J.F. Demario-,Android™ A Programmer's Guide , by The McGraw-Hill Companies 2008.

[8]   RetoMeier, Professional Android™ Application Development, Wiley Publishing, Inc. Indianapolis, IN 46256, 2009.

[9]   An Android Application Sandbox System for Suspicious Software Detection, by Thomas Bl¨asing, Leonid Batyuk, Aubrey-Derrick Schmidt, SeyitAhmet Camtepe, and Sahin Albayrak

[10]   Daniel Pan. 2016. Firebase Tutorial. October, 2016.

[11]   Pore Supriya S, Pawar Swalaya B, 2015. Comparative Study of SQL & NoSQL Databases. International Journal of Advanced Research in Computer Engineering & Technology (IJARCET). Volume 4 Issue 5, May 2015.