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“ROOM STACK USING FLUTTER BASED TECHNOLOGY”

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ABSTRACT

We suggest leasing room system with the flutter technology for users. Finder can find lease room in proper location like city wise and local area wise. Manually searching ways save hour, struggle & money too. Even we face same issues while lease the rooms. With the urgent prototype change in scientific tract, there is an instant must grasp and acknowledge the function of automation. Room searcher is a Mobile application advance using flutter & Firebase that aims to solve the problem for finding & leasing the rooms. Using this project, the room holder can transmit the room details & let the rooms applicable for lease fractional. Individual, family or student who wants rooms on lease can find the rooms here. Just find the recommended room, booking it and ends up your place find.

Keywords: Place forecasting, home facility, available location.

I.INTRODUCTION

Room stack is a Mobile application that aims to solve the problem for finding & renting the rooms. Using this project, the room owners can upload the room details & let the rooms available for rent digitally. Individual, family or student who wants rooms on rent can search the rooms here. Just find the required room, book it and ends up your room search.

Room Stack is a Mobile application developed using flutter & firebase that aims to solves the problem for finding & renting the rooms. A Flutter is an open-source UI software development kit created by Google It is used to develop applications for Android, ios, Windows, Mac, Linux and the web from a single code base.

The first version of Flutter was known as code name "Sky" and run on the Android operating system. It was unveiled at the 2015; Flutter apps are written in the Dart language and make use of many of the language's latest features.¹ During the keynote of Google Developer Days in Shanghai, Google announced Flutter Release Preview 2 which is the last big

release before Flutter 1.0. On December 4th, 2018, Flutter 1.0 was released at the Flutter Live event, denoting the first "stable" version of the Framework.

Room Stack will provide the information about Rooms/Flats/Houses which is available for rent. This application will make easy to find the location of Rooms/Flats/Houses, select no. of rooms and other facts by the leaser.

In this project it will easy to upload the location, contact no., expected rent, No. of room, facilities and other information& let the rooms available for rent digitally.

This application will be able to show the Rooms/Flats/Houses with in a proper location selected by user.

Individual, family or student who wants rooms on rent can search the rooms here. Just find the required room, book it and ends up your room search.

II.PROBLEM STATEMENT

In our day-to-day life, buyer's face a lot of issues related to general such as reporting an issue, tracking the location and receiving necessary information instantly etc., and similarly owner's also deal with issues such as keeping track of issues in house, notifying that a package has arrived, sending emergency information quickly to the buyers etc. Currently there is no app which targets on to intention this singular issue. The existing app help to solve the issue but not in an effective manner. To help overcome the problems faced by buyers and owners, a new app is developed. This app focuses on to build a better relationship between buyers and sellers by simplifying many tasks such as sending automatic rent reminders, package notifications, utilities bill, emergency info, location information, documents and sharing issues.

III. LITERATURE SURVEY

Room stack has become important factor in modern society hence the need to have a room stack application. Rooming has a central importance to quality of life with considerable economic, social, cultural and personal significance. The focus of this research project is basically managing rooming for low income, medium and high incomes households or what is commonly known as economical rooming. „Economical“ is a term used to describe personal“ capability to pay for certain products or services because their income is enough to do so.

Admitting the term „economical room“ is often applied to leave room; that is within the economic means of those in the lower income ranges of a geographical area, the concept is applicable to both middle and high income personal. Most families choose to leave room based on their income and family situations; unfortunately, there may not be enough good quality rental housing for these families. Increased number of buyers and owners makes management difficult especially for the owners who are losing big sum of money through buyers who evade stack. The above statement gives a clear acknowledgement as to why room stack needs to be developed.

IV. PROBLEM WITH EXISTING SYSTEM

With the present system the details of various activities of user is completely manual and bring about a lots of paper work. Each home has a file that consists of the home: number, size, rent per month, normal deposit, tenant and status.

Lease amount table consist of details first name, last name, Phone number, date of payment, amount and balance if any. The existing system only gives text based interface which is

not as user friendly as Graphical user interface. Since the system appliance manually, the reply is very slow.

The agreements are not secure as papers may get lost or impaired. Hence, there is need of realignment of the system with more advantages and resilience. The system phase out most of the constraints of the existing system.

It consumes timefor searching the room that requires more effort for search Buyer may not get correct room. Room owner might not get the buyer.

V. MODULE

This is the three modules of project as shown below

1. Room Owner
2. Room Buyer
3. General User

1. Room Owner

- **Registration**

Owner performs registration by entering personal details, address, mobile number & email id. System verifies it using OTP form phone number.

- **Upload Rooms**

The registered owner can uploads the details for room including rent, facilities, and room images, capacity of users, terms and conditions as needed.

- **Rooms Management**

Once uploading rooms, owner can modify the details as room updated. He can also delete room if required.

- **Accept/Reject room booking**

On booking a room from any one, owner has choice to accept or reject the booking by verifying the user profile or details.

- **De-registration**

Owner can de-register any time if he wish or don't like the system.

2. Room Buyer

- **Registration**

Buyers can view room & owner details without registration. For booking a room he must register by entering personal

details, address, mobile number & email id. System verifies it using OTP form phone number.

- **Book a room**

User can book desired room after registration. Confirmation will be done after accepting request form owner.

- **Search Rooms**

User can search the room as per required location, price and facilities. System also allows applying filters if needed. System finds the room as per need.

- **Feedback**

User can provide feedback for room, services, and owners along with star rating, so that new user can make decision for buying a room in future. It helps the system to grow its quality.

- **De-registration**

User can de-register any time if he wish or don't like the system.

3. General User

- **Registration**

A general user can register himself as Owner or Buyer by entering personal details, address, mobile number & email id. System verifies it using OTP form phone number.

- **Reads feedback**

User can read the feedback given by buyer or owner in order to make proper decision for buying the room & enters in the system.

- **Search Rooms**

User can search the room as per required location, price and facilities. System also allows applying filters if needed. System finds the room as per need.

VI. OBJECTIVE

To develop a Room stack that grants the user to view clients data as well as homes updates.

To develop this function that grants the users to add, edit, search and delete data from the database.

To study and analyze the requirement specifications of the Room stack.

By the development of this function it is easy for the buyer to search the room that they want and it saves the time and their struggle.

The buyers can search the room and it is very easy to asset the room that they want by this function the owner can get the roomer very easily.

VII. PROPOSED SYSTEM

User initially wants to sign up and create the account and user logs in the system naturally will show number of leased house in particular locations. In these details like owner name, house stack, address, and mobile number will the user to avoid the house broker, registration form. Each form has several direction buttons like new, search, cancel, back and exit. With the direction buttons you can client the database.

Search button and the data will be displayed for you. Further, with this location also available. Image of the places will be uploaded daily ting of houses occurred in the required location. If buyer has any queries he/she can contact us through customer care service option give in this app.

VIII. SYSTEM ARCHITECTURE

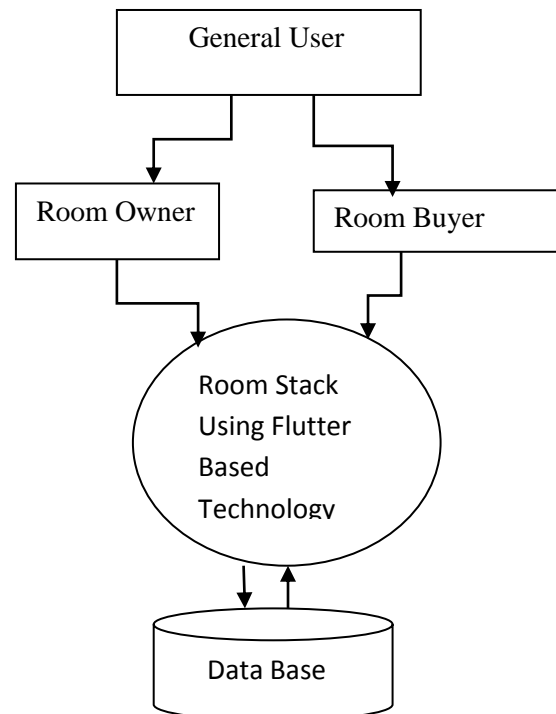


Fig: System Architecture

IX. ADVANTAGES

- The tenant can easily get the room by using this app.
- The room owner can easily find out the tenant for renting the room.

X.FUTURE WORK

In future our project is meant to satisfy the needs of room stack owners.

XI.CONCLUSION

Room stack provides buyers of specific housing app and owner with a simple way to report and arrange the house. Finally, the goal of this app is to create a better relationship between tenants and an owner which can be achieved through this app. Completely boldness the society issue is important to the tenants long-term future, the Room stack app will be an important tool for creating stack room.

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