



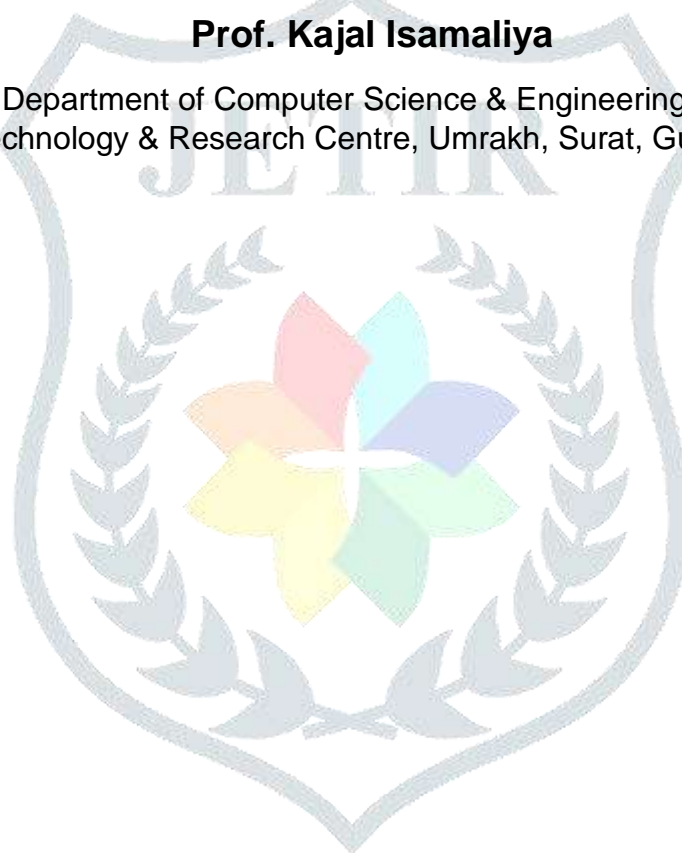
E – HOME & MATE

Bhuva Kashyap, Gaudani Parth, Kachhadiya Shani, Sheta Man

Students, B.E., Department of Computer Science & Engineering, S. N. Patel Institute of
Technology & Research Centre, Umrah, Surat, Gujarat.

Prof. Kajal Isamaliya

Assistant Professor, Department of Computer Science & Engineering, S. N. Patel Institute of
Technology & Research Centre, Umrah, Surat, Gujarat.



ABSTRACT: Today, many students want to study outside their home town for better education but fear of living in hostel and searching accommodation in new area not allowing them to break their boundaries and live nearby their institute or university. Moreover, if some of them are managed to search accommodation then they have to pay full rent on their own, which is not possible for financially unstable students. So by prioritizing these factors, we made an application platform “E-HOME&MATE” to help such students as well other people to make property search easy in new location. Furthermore, it will provide a feature named as “Find Roommate” which allow students or employs to search roommate to share their rent, which allows them to save money.

KEYWORDS: Property, Owner, Buyer, Students, P.G, Roommate

1. INTRODUCTION

Nowadays, the technology keeps improving drastically, especially on smartphones, mobile devices etc. This is because the majority of consumers now basically browse the internet using their phones and laptops. Manual use of any kind of work now is downgraded for the society. For example, searching for a place to

live in a new unknown city manually is one of the very difficult tasks. It has become easy to search paying guest accommodation nearby the workplace with the help of our application. It was difficult earlier to go to a place to work which was situated at long- distances and hence had to lose good opportunities, as we don't know where to stay unaware about a particular city. Using E- HOME&MATE, users can find all the available options of paid accommodations nearby their workplace or desired area. Users can also add their own place and get the tenant easily by just adding details and pictures of the respective place. In this system users can register to get login id and password. Users can log into their accounts using the login id and password set by them after mobile verification using OTP.

After the session starts, the users will be able to post various details of their place like water and electricity availability, no. of rooms, bath and kitchen, etc. They are able to see if anyone is interested in the post. The uploaded post can be deleted or removed. Users are further able to search for available paying accommodations and after finding a place they can shortlist the place they are interested in. For further processing, users will be provided the contact details of the owner of the place selected by them. Thus, ensuring that there is no involvement of any dealer and any extra expense.

1.1 Objectives

The aim of this project is making a system that will help user to search property easily at any location. This enables them to save time as well as money. It saves property added by owners with latitude and longitude with help of google map and serves it as result to other users who are searching for property. Moreover, it has an unique feature named as find roommate which allows students as well as employs to search Other students or employs to share their accommodation with intension of saving money and getting company.

1.2 Problem in existing system

Using traditional property search applications, a user had to pay some amount of money or they have to take premium membership to advertise their property for purpose of selling or to give it on lease. Moreover, currently in existing systems users cannot search roommates to share accommodation with them which can directly leads to money saving. Furthermore, user who are interested for particular property cannot contact directly with its owner.

2. SOFTWARE AND HARDWARE

REQUIREMENTS Hardware:

Smart phone: It is a smartphone that allows its users to interact with application and access location to find property area

wise. Smartphone will be the key component to any digital platform to do any communication, so smartphone is must need.

Software:

Xml: Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. The XML language is used to design the interface of application.

Java: Java is a class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible. Java is used to perform the action on click event. It will handle the button clicks and next pages etc. in android application.

PHP (Laravel Framework): PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP.Laravel is a PHP based web framework for building high-end web applications using its significant and graceful syntaxes. It comes with a robust collection of tools and provides application architecture.

XAMPP: XAMPP is a free and open-source cross- platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, Maria DB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible.

2.2 Modules and their Description:

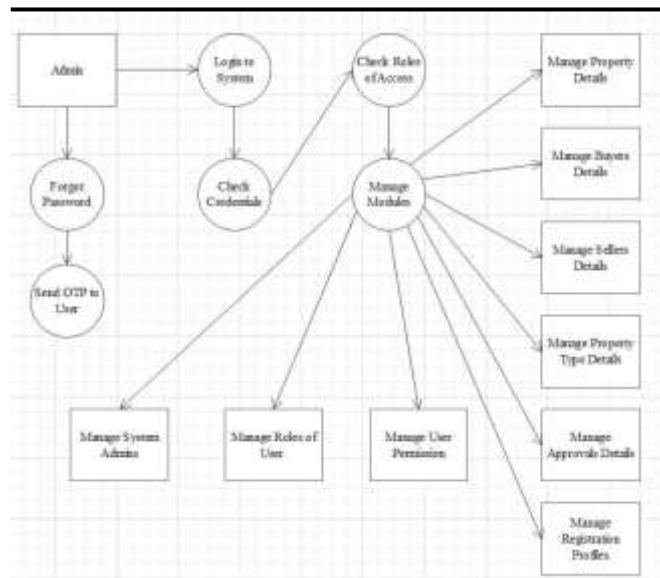
The system comprises of modules are as follows:

- **User Registration:** Users can register and obtain credentials.
- **Owner Login:** Owners can login using credentials to advertise their properties.
- **Lessee/Buyer Login:** Lessee or Buyers login here to search best accommodation at preferred location.

- **Edit Profile:** Users can edit their profile info.
- **Profile Photo:** Users can upload their profile picture.
- **Add property:** Owners can add their property to make it available for buyers or tenants.
- **Manage Property Details:** User can manage room details.
- **Search Property & Check Availability:** Users can search their desired rooms and check the availability.
- **Send Request:** Users can send request to owner of property for further inquiry.
- **View Requests:** Owners can check requests for their property.
- **Search Roommates Nearby:** Users can search for roommates nearby.
- **Change Password:** Users can change or edit their password
- **Forgot Password:** Users can reset their password

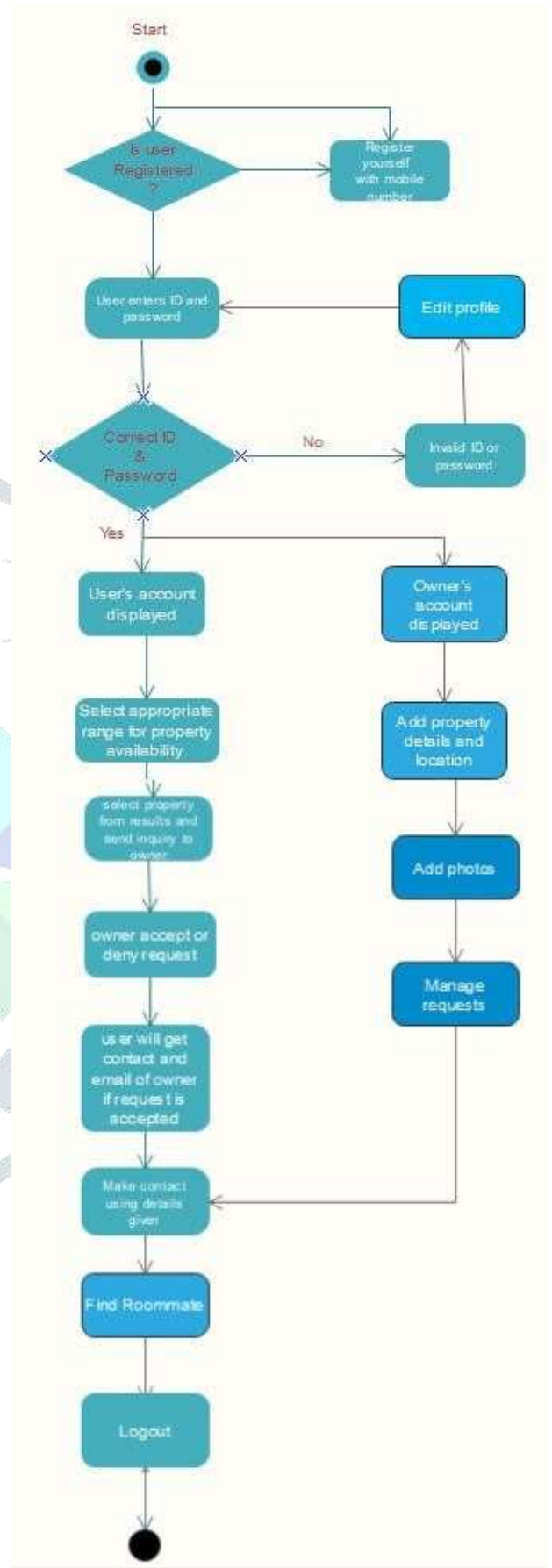
2. PROPOSED SYSTEM

There are two different login in our web application one is owner login and other is buyer/lessee login. Users who want to advertise their property for sell or rent have to login as owner otherwise they cannot add property for sell. On the contrary, users who want to buy property or want to take it on lease must have to login in lessee or buyer login where they can search property as well as P.G and can send request to owner for further inquiry. Users who logged in as a lessee or buyer will have feature named find roommate to search other lessee who also



want to share accommodation, which will help both of them to save couple of money.

3. SYSTEM FLOW



4. CONCLUSION

E-HOME&MATE is an user friendly application which enables the people to simply locate authorized PGs and rentals or property for sell available. Time has been a vital think about everyone's life and when people move to different places to check or to figure they definitely should waste time in trying to find accommodation. This application seems to be very time saving for us. There have also been certain disadvantages of this app. The app does not hang/lag in underdeveloped phones. In step with a survey, in India ONLY 17% of individuals are using smart phones. So if the app is reported to hold in underdeveloped phones then it's something that's to be taken into consideration and an answer must be provided.

5. FUTURE SCOPE

In future, we are looking forward to add some extra features in current application. Such as we will add a feature named as authentication which will be given to property owners. By requesting in this section, their property will be authenticated by our authorised person and verify the actual owner of property. Authenticated property will be tagged as verified, which will increase the chance of selection by buyers or tenants because by looking for verified property they can avoid frauds. Moreover, we will add payment gateway to the system which will help both the parties to make and get payment easily directly from and to bank account. Furthermore, we will also add a feature named as Auction, which can be useful if more than one buyer or tenant show interest in same property at same time of period. In such condition, an option will be available to bid for property. Highest bid amount payer will get the property.

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