REAL ESTATE MANAGER APPLICATION BY LAND SQUADERS WITHOUT MEDIATOR'S

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Abstract - The project "REAL ESTATE MANAGER" is used to reduce efforts used by the land buyers and land sellers by directing the land buyers directly with the land sellers who are interested to sell their properties without interfering with the mediators, who plays a role in between buyer and seller. The main aim of our project is to connect land or flat buyers and sellers from different place, by using this application they can find the location and the land for selling and also there will be the contact details of seller with that the can directly contact them. The customer can search the location of the land which they need using the google maps which is in builded into the application. The project uses the Android Studio software using the java language and Mysql to store data.

*Index Terms -* **Mediators, Owners, client, android, JVM, mysql,**

I.INTRODUCTION

This application will be useful for buyers and sellers. All the information of the land will be stored. Advantages are the buyer can view the available lands from anywhere who uses and registers to this application and it reduces the time and effort used by the peoples for selling and buying land in different areas. It reduces the payment for the mediators who are the intermediates to the land buying process.

II. OBJECTIVES AND METHODS

 The present work aims to overcome some of the disadvantages that are found in the existing system models. It aims to design the application for uniting the land sellers and buyers to communicate and to directly deal with the owners without interfering with the mediators who earn by selling the land for land owners and also helps for the buyers to get good lands according to their individual needs. The user who needs to use this application should sign in with their name and password after this process they need to register according to the user categories because this is used by two types of user's seller and buyer and so there are different registration forms for the both if they need to sell their land they just register through the seller process and if they are the buyer and the either way of registration can be used. The main aim of the system is to connect the seller and buyer for the process. If the seller finds the perfect land which is suitable for them then they can view the details of the owner like contact details which helps buyers to communicate with the landowners to buy the land at the reasonable price. In this application the frauds can be easily found, that is with the patta and chitta numbers of the land they can check whether that particular land is theirs or not hence the fraud can be easily detected by the users itself. We also provide the facility of maps to find the location of the land after finding the place where the land is located.

Fig-1Architecture diagram
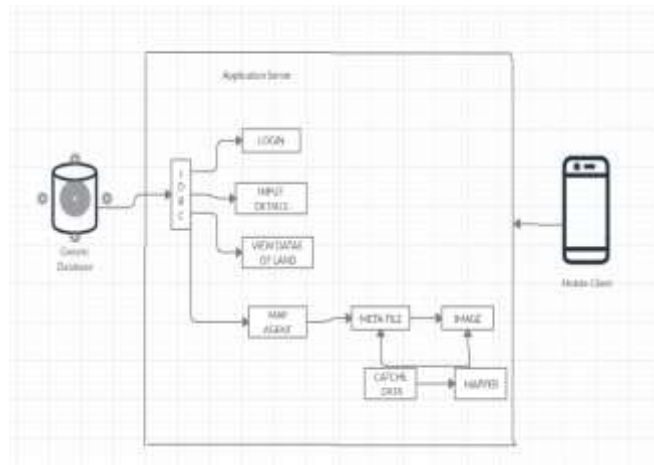
III. LITERATURE SURVEY

a.Location Based Services in Android[4] Introduction

Our work has been motivated by some previous work on the use of mobile technologies for the development of mobile applications (m-apps) for real-time projects in-volved in e-Governance initiatives and for various other real-time application scenarios around the world. The need and importance of the implementation of location based services in Android, providing the clients with services that originate from the geographical location of the user's mobile device has been emphasized.

b.A Study on the Performance of Android Platform [9]Introduction

e-Governance facilities are being used nowadays by citizens in various Government projects of the country. But the integration of mobile technologies with the e-Governance projects can lead to more human interaction and benefits for the society as a whole. This will result in having more impact on the lives of the common citizens and increase in awareness of such e-Governance projects. The paper introduces the features, technologies and design of the Android mobile device application, mobileLoanapp for the customer (client) of the bank for the loan approval process. The e-Land record information system has been designed and implemented with Google Map using Mobile Commerce by developing this mobile app.

Advantages

- The proposed m-app have also been determined in comparison to the existing e-Governance system, giving a viable option to adopt and make use of integration of mobile technologies for providing e-Governance through this m-app.
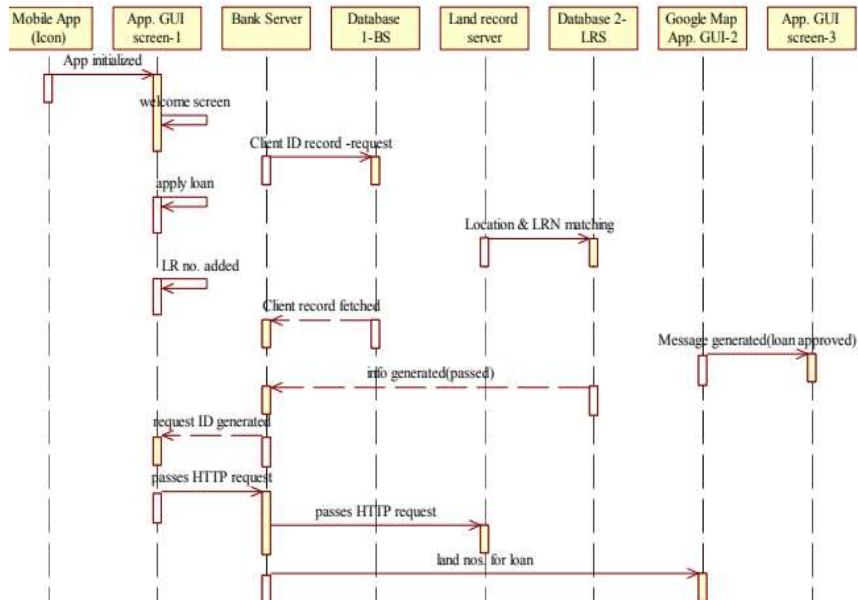
IV. EXISTING SYSTEM

The applications for gathering the land information are only few but those also do not help people to contact the seller directly. There are some applications which help to view only "patta and chitta" of land or to get the detail about the "bank loans" for particular land using the place where the land is located.

C.Design of e-Land Record Information System with Google Map Using Mobile Commerce[10] Introduction

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ity to the common citizens of the country. The proposed system if adapted will pave the way for the real-time applications to be embedded with the e-Governance facilities. This paper presents the overall system architecture along with its functional components and scope of the very appealing m-application (mobileLoanapp) for bank loan approval process in interconnection with the land server (part of Farad Kendra's).

Fig-2 sequence diagram for the e-land record information

V. PROPOSED SYSTEM

The existing application can be made much more efficient through the application provided by us.

The application provides information about the land by the inputs given by the user about the particular land or flat. If the details of the land are given, then the sales details of the property will be shown to the user with the location through the google map facility available in the application itself for user convents. The seller will upload the details of the land which helps the buyer to analyse the details of the land using some input details of the property.

VI. ADVANTAGES
- Reduces time for searching land and also reduces the cost spent on mediators to search the land.
- It helps to connect the seller and buyer to communicate directly using the information of the users.
- The user doesn't want to travel long distances oftenly instead they can use this application.

VII. Overview of Java

Java is a programming language and computing platform first released by Sun Microsystems in 1995. Java is a programming language built for the age of the Internet. Java is a technology consisting of both a programming language and a software platform. To create an application using Java, you first write the program in the Java programming language, then compile the program into Java bytecode—the instruction set for the Java Virtual Machine (JVM) to use at runtime. Java bytecode runs without modification on any system that supports JVMs—it's the origin of the "write once, run many" (WORM). The Java language forms the heart of the Android operating system, which powers by far the largest share of the world's smartphones. Java is also among the most popular languages for machine learning and datascience Applications. Its robustness, ease of use, cross-platform capabilities and security make Java the language of choice for internet solutions in many enterprise shops.

Fig-3 Use Case Diagram for Real Estate Manager

VIII. SOFTWARE DESCRIPTION

OVERVIEW OF ANDROID STUDIO:

Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development. It is available for download on Windows, macOS and Linux based operating systems. It is a replacement for the Eclipse Android Development Tools (ADT) as the primary IDE for native Android application development.

The following any one of the operating system is needed for android studio software,

- Microsoft® Windows® 10/8/7/Vista/2003 (32 or 64-bit)
- Mac® OS X® 10.8.5 or higher, up to 10.9 (Mavericks)
- GNOME or KDE desktop

IX. WORKFLOW AND DESIGN

Uer Seller of application:

The user first login to the application and should register the details of the land for the buyer they also may upload the photos of the land these datas will be stored to the database of the application for the buyers. They will also set the sales details of the land or flat for selling.

Uer Buyer of application:

The buyer should also need to login to use this application. The buyer can find the details of the land or flat using the search option to view the sales details. They should enter the details like square feet of land or flat they need etc. then the available sales details of the land will be displayed for the user buyer.
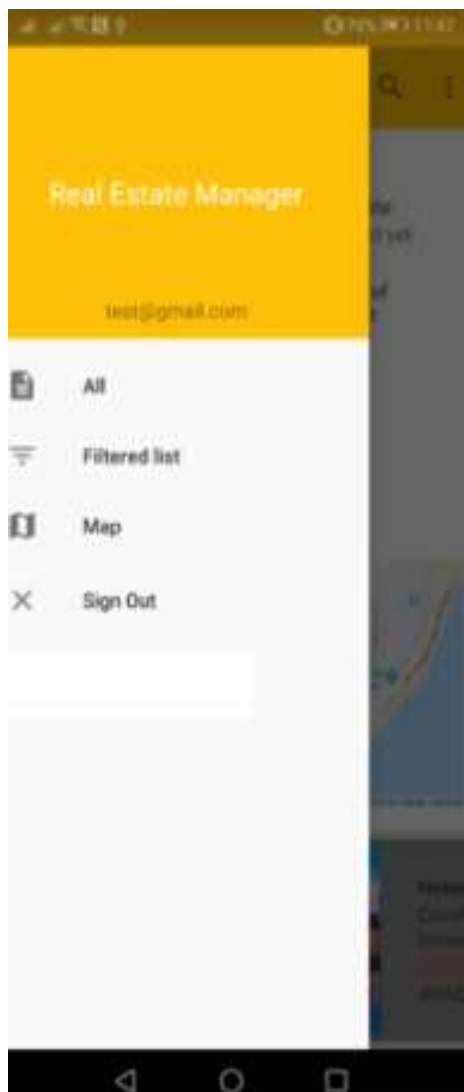
Fig-4 Main Screen
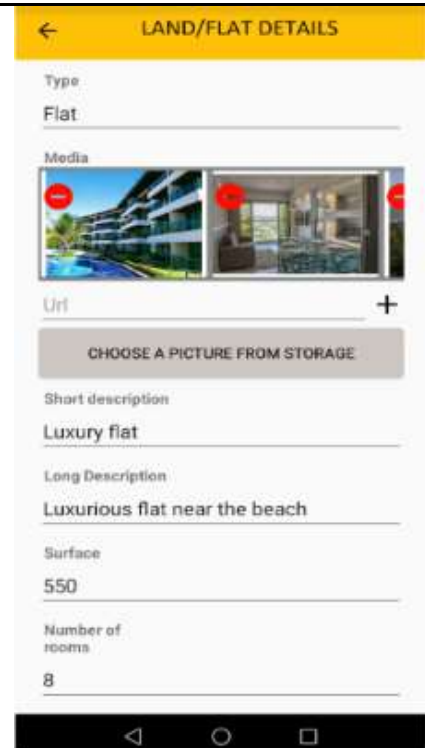
Fig-5 Map Mode

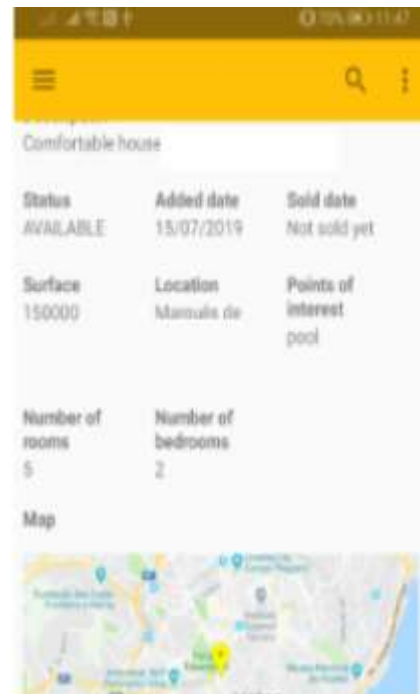
Fig-6 Land Details

Fig- Site Details

X. CONCLUSION:

The system is exactly user friendly. It is developed with an efficient front end language java using the software ANDROID STUDIO. The validation for login is to authenticate the users. When unauthorized users try to login, the system will allow the user to access the application. The application is developed with java as front end and MYSQL as backend. This application will reduce the effort and time spent by the land buyer to search for lands in different locations using this application. Project has been completed and tested successfully. Further enhancements can also be done for improving the proposed system. Enhancements can be done based on the upcoming needs in future.

XI. FUTURE ENHANCEMENT:

This application can be further developed to buy bank loans through the necessary information from connecting the application with the banks database and proper authentication and security should be properly managed for the process. The development of this m-app, mobileLoanapp results in simplification of the already cumbersome process of getting approval of the loan from the bank. Both the land server (official server of revenue department for providing land records) and the bank server (official server of the bank) work in interconnection to provide authentication personal information about the client (customer) and the relevant authentic land documents. The development of this mobile application can be seen as an opportunity for its further seamless integration with cloud services for the future work.

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