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Co-operative Housing Society Management System

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ABSTRACT

Housing society management plays a significant role in our residential life. Our day to day needs such as any complaint about service like, electricity, security, maintenance comes under housing society management. This system exists for the purpose to help and ease our life but have many traditional methods and lot of paper work. Our proposed system is an android application which will computerize all day to day operations in the society. This system is an automated system which will keep the details of daily notices, monthly meetings, cultural events and also contains sections such as compliant, notice.

Keywords: Housing society management, Android application, Automated system..

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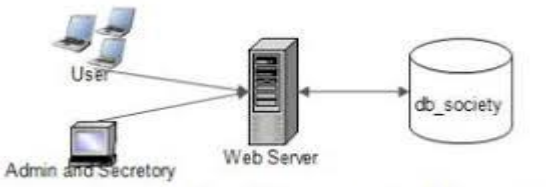
I. INTRODUCTION

This system is developed to manage day-to-day activities of any co-operative housing society. Generally, in society all the work is manually. As all work is done on paper so it is very difficult to manage and keep track of all the work expenses in the society. This society management system will computerize all day to day operation in the society. There is no automated system for doing all the things that generally happen in society, so that members can come to know what is happening in society.



Generalized System Architecture

II. LITERATURE SURVEY

Robart A. Sowah and Seth Y. fiawoo., has discussed The components of designed and developed system include (1) a web application through which workers would input data at their various workplaces (2) a database hosted on a central server that would store information entered by workers (3) an application programming interface (API) that would take requests from the Android application, query the database and serve the results back to the Android application and (4) an android application that processes and displays results to users. The android application is developed using Eclipse in conjunction with android SDK tools. The application retrieves data from a database per user request and displays the retrieved information on an android device. Users of this application would be able to analyse data quicker hence make quick decisions as they would not be drowned in a flood of detailed

information. There is also an added benefit of having access to company data on the go.

Jarle Hansen, Tor Gronli., have focused on principle of cloud computing and distributed computing . There are many handful technologies, which push data or content on mobile devices/tablets. The need of technologies studied are Google Cloud Messaging (GCM), C2DM (Cloud to Device Messaging) and Xtify is for authenticating a user, as well as handling all aspects of messages and delivery to the target application on the target device. The basic notification application is implemented using Google Cloud messaging.

Yavuz Selim Yilmaz., provides a facility using GCM (Google Cloud Messaging) to send data from server to Android mobile device of user, and also receives messages from other devices within a network according to Android developer website, "a service that helps developers sends data from servers to their Android applications on Android devices." Hence, the overall purpose and scope of this project is reachable by Push notification technology (GCM).

III. EXISTING SYSTEM

As we all are aware of the current housing society management system which is handled manually. The data is stored in the files and the processing of the data is done manually and the report generation is slow. Data which is required cannot be accessed quickly. The data is stored in various registers so the linking between it becomes difficult. Voting is conducted in the society for various designations like secretary, treasurer, chairman; etc members need to be present on the site for voting. Due to some reasons some members cannot be present & cast vote.

IV. PROPOSED SYSTEM

To overcome the drawbacks of existing system, this paper is proposing a smarter way of communication. As discussed earlier an automated notification system can be developed using a very popular Android platform which will provide a user friendly mobile based application.

This application will notify people for events and activities in the society personally so that people can actively participate in those activities and thus increases interaction with neighbors.

1. Notifications will be pushed so as to remind user before time.
2. Reduces efforts and time for conveying messages manually.
3. Reliable and transparent.

V. CONCLUSION

Thus, our application tries to comfort its users with easily understandable as well as essential functionalities such as. Complaint system, notice generate many more. This system is reduce the time and efforts of every user using android application.

VI. FUTURE SCOPE

This project can be enhanced further by Developing a Mobile App. Also we can develop a Full Fledged accounting module. The software is flexible enough to be modified and implemented as per future requirements.

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