HOUSING SOCIETY MANAGEMENT AND BILLING MANAGEMENT SYSTEM

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Abstract

Management and billing project for a cooperative housing society. Various flat owners and their family members can have their data and images stored in the software system. Other charges such as parking, cultural funds, emergency funds, and other charges are automatically added to the individual flat bill by the system. Water bills can be added to each flat's account by the secretariat, which can then track payments. A system administrator is required to input various flat owner data and billing amounts into the system before it can be used. It is up to the system to take care of the rest of the work. The system includes a facility for automatic bill generation. Various costs are calculated, added up, and a bill is generated as a result. Maintenance details and water bill due date notifications must be sent via email by the system. Secretory has the ability to create an event and invite flat owners to it. The event can be modified or cancelled by the user. Email should be used to notify people of upcoming events.

1.INTRODUCTION

Generally, in Society all the work is decided in meetings and maintenance bills, contact no of members are recorded on the papers. There is no automated system for doing all the things that generally happens in society, so that members can come to know what is happening in society. The Society Management System allows members to login with their own account and get updated with society happenings. Society Management System is the website portal to reduce conflicts among society members. The system has automated functionality for calculating monthly maintenance bill and member can view their bill status on their account. The main functionality of this project is that, there is a voting system for different society positions like Chairman; Treasurer Etc. Member can vote the candidates that are standing for different roles in society. A housing society management and billing project that effectively manages and handles all the functioning of a cooperative housing society. The software system can store the data of various flat owners and their family members along with their images. The system also maintains and calculates the society maintenance as well as parking, cultural funds, emergency funds and other charges and adds them automatically in individual flat bill. System i.e. secretory can add water bill to each flat account and track the payments. The system needs an administrator to input various flat owner data and billing amounts into it. The rest of the work is done by the system on its own. The system consists of automatic bill generation facility. It calculates various associated costs, adds them up and provides a bill accordingly. System has to send email notification for maintenance details and water bill due date. Secretory can create event and add flat owners to this event. Also he can able to modify event or cancel event. Event notification should be send to email

2.LITERSTURE 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[5][6]. I 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[7]. The basic notification application is implemented using Google Cloud messaging

YavuzSelimYilmaz.,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)[8][9].

3.PROPOSED SYSTEM

It's a website portal that's designed to reduce conflict amongst society's members. The system calculates monthly maintenance automatically, and members can check the status of their bills on their online accounts. It will be possible to log in and out of the system separately. Administrator will verify the monthly maintenance bill.

3.1 Modules

i) Admin Account
ii) Society Member data
iii) Member Photo Addition
iv) Society bill amounts
v) Member Login
vi) Bill Print

Admin Account:

Admin login. Admin can check and add various member details.

Society Member data:

Admin can add and update member data.

Member Photo Addition:

Member Photo to add in Admin Account.

Society bill amounts:

The software system calculates various billing data including, maintenance, water , parking, event fund for flat owners.

Member Login:

View own bill and information. Pay The Amount To admin. Incase pending Amount if will Pay the next month added.

Bill Print:

It provides bills in printable format to users.

4.RESULTS AND DISCUSSIONS

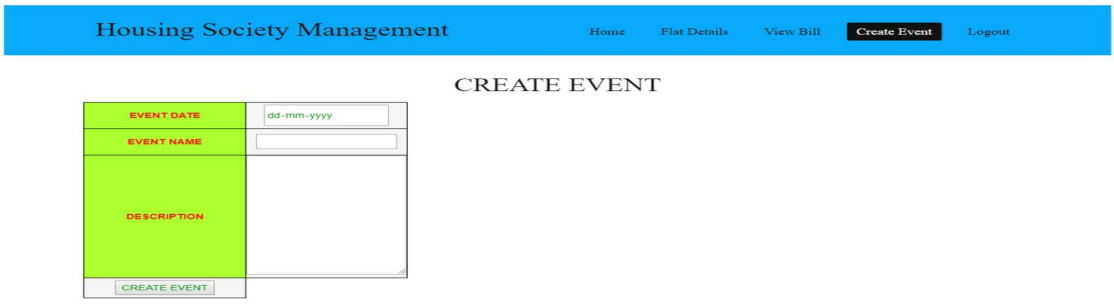

Fig 4.1 Creating Event

Fig 4.2 Viewing Bill

Fig 4.3 Viewing Flat Details

Fig 4.4 Society Bill Details

5.CONCLUSION

A society's management system explains how the society actually operates. By working "in the cloud," housing society management providers can quickly implement secure and cost-effective applications, while enjoying lower maintenance and upgrade costs throughout the relationship. The system can be configured to send message and email alerts when certain events occur in the society, so that users do not miss out on important updates and happenings.

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