

# Society 365 (E-Society)

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## ABSTRACT

In the current scenario, societies have to do manual work like keeping record of bills, generating notices for meeting reminder, writing complaints, keeping a track of visitors and various society related payments. It becomes a tedious task to manually maintain records and registers. Therefore to simplify things we are developing a Website/Application for society management system i.e. Society 365. Society 365 is a highly interactive co-operative housing society Web Portal. It provides one-step solutions for Co-operative Housing Society by keeping the members updated about the details of the society. It manages the information details of both owners & tenant. The Web Portal handles effectively the tariff structure based on flat wise, building wise, wing wise, area wise or member wise which is maintained and customized according to any society.

**Keywords:** E-commerce Website, Application, E-Payment System, Chatroom, Complaints Editor, Notice Board, Accounts.

## I. INTRODUCTION

“Society is a large group of people who live together in an organized way, making decisions about how to do things and sharing the work that needs to be done”  
-Cambridge Dictionary.

Society365, a Modern Housing Society which provides a Web Portal that acts as a personal assistant to the Users by informing them about all the important decisions made in the society. Various housing societies have to create maintenance bill manually and maintain a record of it and send those maintenance bills specifically to the respective flats. The Society365 website and mobile application provides a facility of E-payment system where maintenance bill is generated every month according to the flats and a record of all previous bills is maintained. It provides various online payment sites to make payments of telephone bills, online

recharge, electricity bills and gas bills. E-society website and mobile application also provides

complaint editor box where any Society member can write and upload their complaint.

Important circulars for meetings are provided with help of notice board and reminders shall be sent on the member's registered contact number. The E-Society website and application provides E-chat option where strictly society members can chat and discuss on various society related topics and can discuss it at same time with other society members thus making the task easy. E-society website and mobile application makes many things simpler which has been previously carried out manually, thus saving the time and solving various issues making everything easy for society officials and society members. Since this project is about a website and mobile application which aids in better archival and preserve time stamps on activities. Thus this project alleviates the workload of society officials to run society smoothly with help of society member's feedback and help.

## II. EXISTING SYSTEM

There are various society management websites and applications which helps the society to manage day to day activities but provide very limited services. Many times it is observed that societies have to do manual work, most of the websites provide maintenance records but doesn't provide online payment options. We studied the existing systems which provides management of various society related services like maintenance of bills, complaints, track of meetings held etc. [1] System does not allow one to one interaction with society members it also does not provide information about society staff for example- Security personnel. The system mainly focuses on maintenance of the society whereas our system provides an option to make the payments of the bills as well as it also provides some additional features such as House Help, Staff Module, Safety First etc.

## III. LITERATURE SURVEY

This project explores an innovative approach to the E-Society management system by developing a website and Android application, E-Society, will help the society members to find any solution easily. Using the E-Society mobile app, users will find one step solution to all there housing problems and various society related issues. User can easily pay the society's maintenance bill as well electricity bill and other bills like telephone bills, mobile bills and gas bills etc. with the help of E-society website and application.

### E-Payment

In a society making of bills and maintaining records requires a lot of efforts. E-payment provides a better solution to these problems. E-payment option enables you to make payments using your credit card, debit card and net banking. The basic idea of E-payment system is a way by which the two parties transfer the money through internet. Offering electronic payment can also help businesses improve

and customer retention. The model proposed in this paper is best suitable for the low payment transaction. This model is only designed to verify the integrity of communication message between the two units by the third party. The system has the advantage of its simplicity and low cost implementation. The limitation of this system is that it includes floating point calculation. A system can be thought which is based on the integer calculation or one can increase the efficiency and accuracy of calculation [2].

### Chatroom

Many a times, it happens that everyone is not available at the same time to discuss certain issues. So the Chatroom provides a feature where people can discuss, and express their views as well as be informed about the various discussions which takes place. Good Business Practice Needs Good Communications – New Generation Chat Software for Real-time. The chatroom has led to the emergence of generic software to facilitate the creation and maintenance this form of communication. The need for computer support of real-time discussion is recognized in a wide variety of contexts. The chatroom can be readily adapted to the requirements of a particular commercial context [3].

### Database

Information to be stored in the database can be reoccurring in many aspects of records. Redundancy of data occupies too much of space and makes it complex. UNION ALL set operations are a means of combining data from multiples sources. In traditional relational databases, a UNION ALL query resembles a logical table that combines rows from multiple physical tables. The key idea of join pushing is to avoid spooling all UNION ALL branches prior to joins - if and when applicable. UNION ALL set operator branches to avoid unnecessary redistributions and duplications of data [4].

**Proposed System**

This project is a web portal and mobile application for E-Society management system. The system comprises of many features which makes the system user-friendly and keeps him updated of daily activities of the society. For effective management of this system there are various users like member, admin, account manager and security officials. The system handles both types of member i.e. flat owners and tenants and gives them access to various services based on its type.

**Various Types of Users:**

**Admin:**

An admin of this system has various rights such as authenticating a user, security officials and various staff members. He can post notices and reminders for the various important meetings to be held. He can update availability as well as confirm the venue booking. Complaints can be viewed and can send a response for the same.

**Account Manager:**

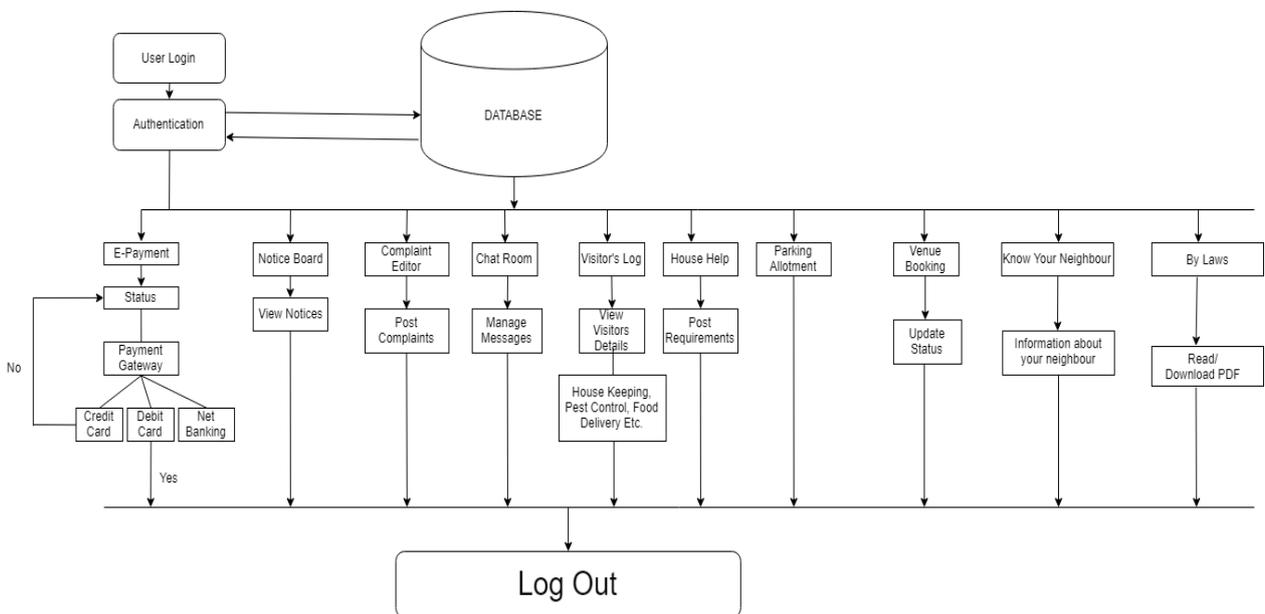
Account manager is responsible for generation of maintenance bills, other payments and will keep a track of various expenses of the society. He can post notices and give monthly reminders for the payment of bills. In short an account manager will manage society's funds and savings.

**Security Officials:**

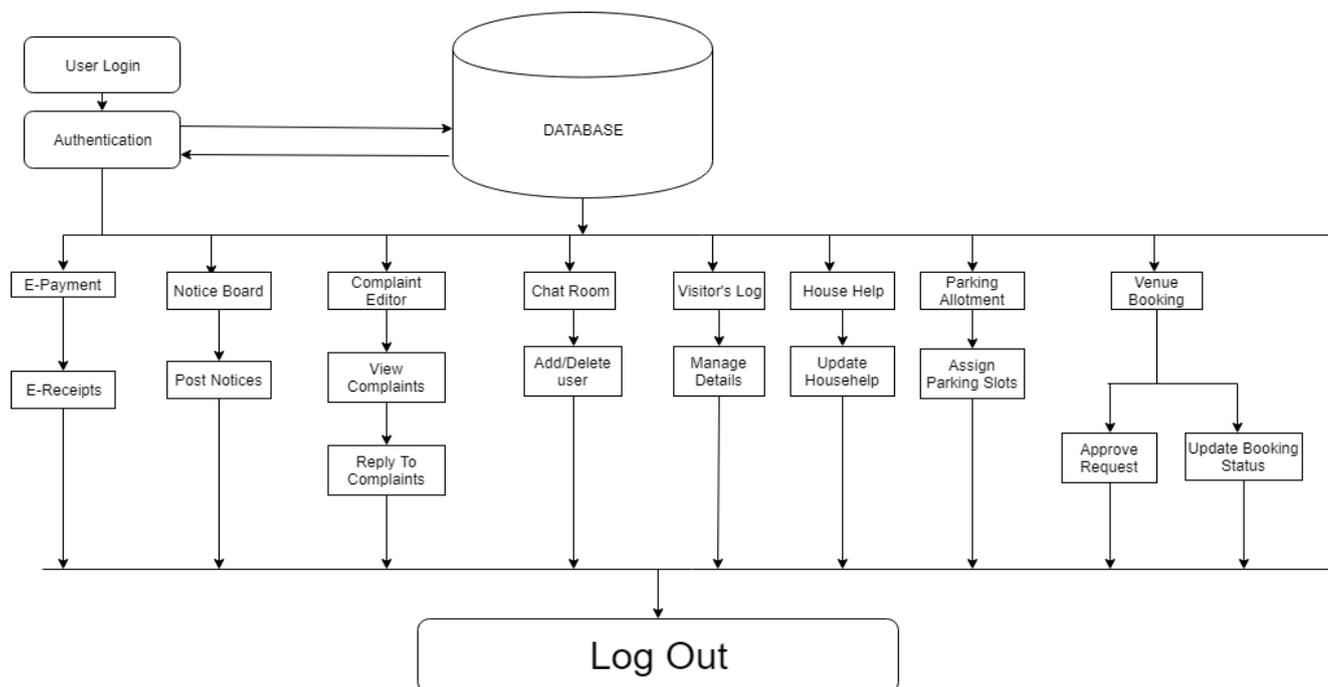
Security officials will always maintain a visitor log and update about it in the system. He can post availability of House Help requirement in the system. In and out time of visitors, House Help and society staff is maintained by the security officials. The technology used for this project will be a smartphone or computer to access the Web Portal.

**User:**

User has to login into the system with the provided ID and password. Once logged in the user can access various features provided such as Complaint Editor, House Help and E-Payment etc.



**Figure 1.** User Process Flow Diagram



**Figure 2.** Admin Process Flow Diagram

#### IV. OVERVIEW

##### E-Payment & E-Receipts:

One of the main highlights of this system is E-Payment option which allows the user to make online payments of society maintenance bill as well as provides direct link to sites which aid in payment of various bills such as electricity bill, telephone bill etc. The user can easily pay the monthly maintenance bill via various options available i.e. Credit card, Debit card, Net banking [5]. Payment reminders will also be given to the user to inform if the bill is due in coming days. Admin maintains all E-Receipts of maintenance bills payments.

##### House Help:

In our daily lives we are often in need of maids to help us in our daily chores. This House Help feature provides User a platform to post his requirements for various activities such as mopping, cleaning utensils, dusting, cooking etc. The user can also post how much he is willing to pay for those respective chores. All these requirement details are displayed on the house help board which can be viewed by admin and security officials, and help can be easily found.

##### Staff Module:

In a society, there are many people involved who help in keeping the society maintained. The Staff Module provides the information of various society staff. For example: Security personnel, cleaning staff etc. It also provides the contact information about the electrician and plumber which are primarily associated with the society.

##### Chatroom:

Chatroom provides a platform on which society members can collectively share their ideas as well as discuss on various society related issues with each other.

##### Complaints Editor:

The Complaint Editor is a feature which gives the members a window to post their complaints or bring to notice any important matters which require immediate attention easily. In society, there are various matters which can be important as well as the ones which require immediate attention of the authorities. Thus for these reasons Complaint Editor comes in very handy, it enables the user to write complaints easily, it also gives an option to upload

any file to be attached with the original complaint. The admin views these complaints and the user is notified about the status of it periodically.

#### Notice Board & Reminders:

In many societies a circular had to be passed manually by a society official from door to door. To reduce this cumbersome work Notice Board allows the admin to post notices and the reminders for the same are sent directly to each and every member of the society.

#### Safety First:

In case of any emergencies, Safety First helps us to reach various helpline services for example Hospital helpline, Police helpline, Ambulance services, Fire brigade services etc.

#### Visitor Log:

There are many people who are visiting the society on daily basis thus, Visitor log helps us to easily maintain the information about them as well as the outside vehicles entering the society premises.

#### Bylaws:

Society should abide by some rules and regulations for effective functioning of a society which are mentioned in the bylaws [6].

#### Venue Booking:

In society, there are various spaces which are used to hold any events. This can be done with the help of Venue Booking which enables the members to get permissions easily for respective venue.

#### Society Connect:

Society Connect hosts a stage where society members can promote their businesses, post ads about any small courses or events taking place nearby as well as in the society and reach out to many.

#### Know Your Neighbor:

Know your neighbor provides you a layout through which user gets more information about the people living next door.

#### Parking Allotment:

It displays the parking spaces allotted to the respective society members.

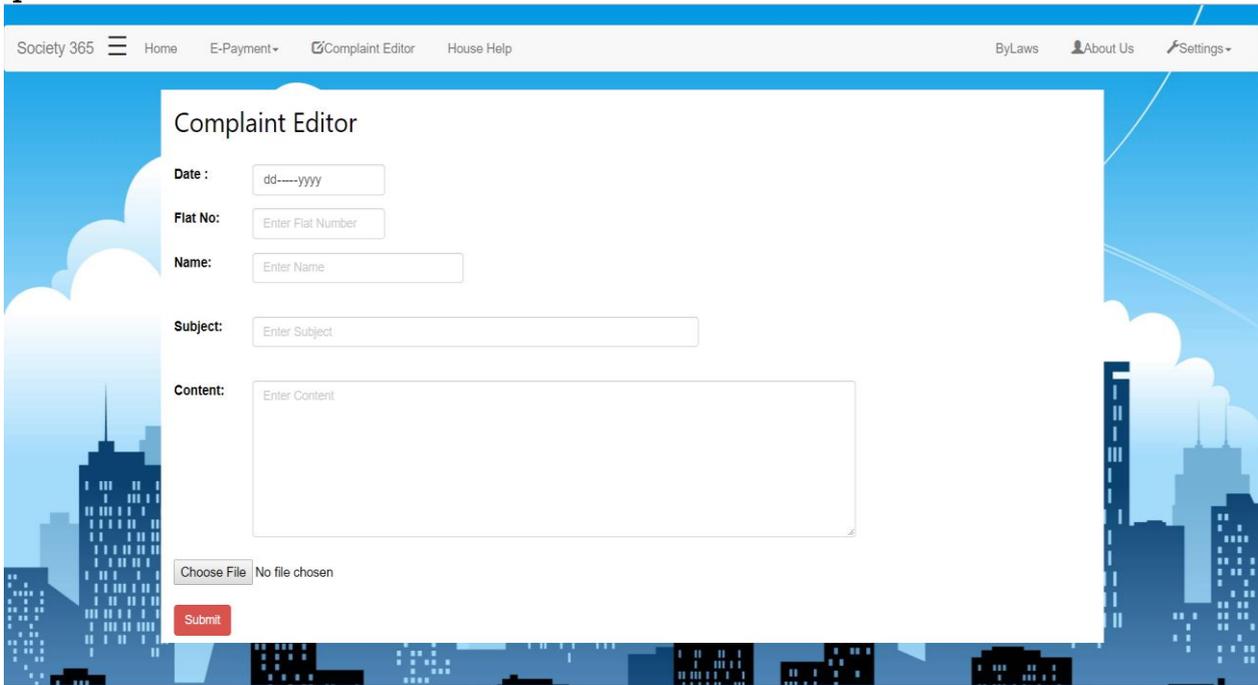
## V. SCREENSHOTS

### Home Page:



Figure 3

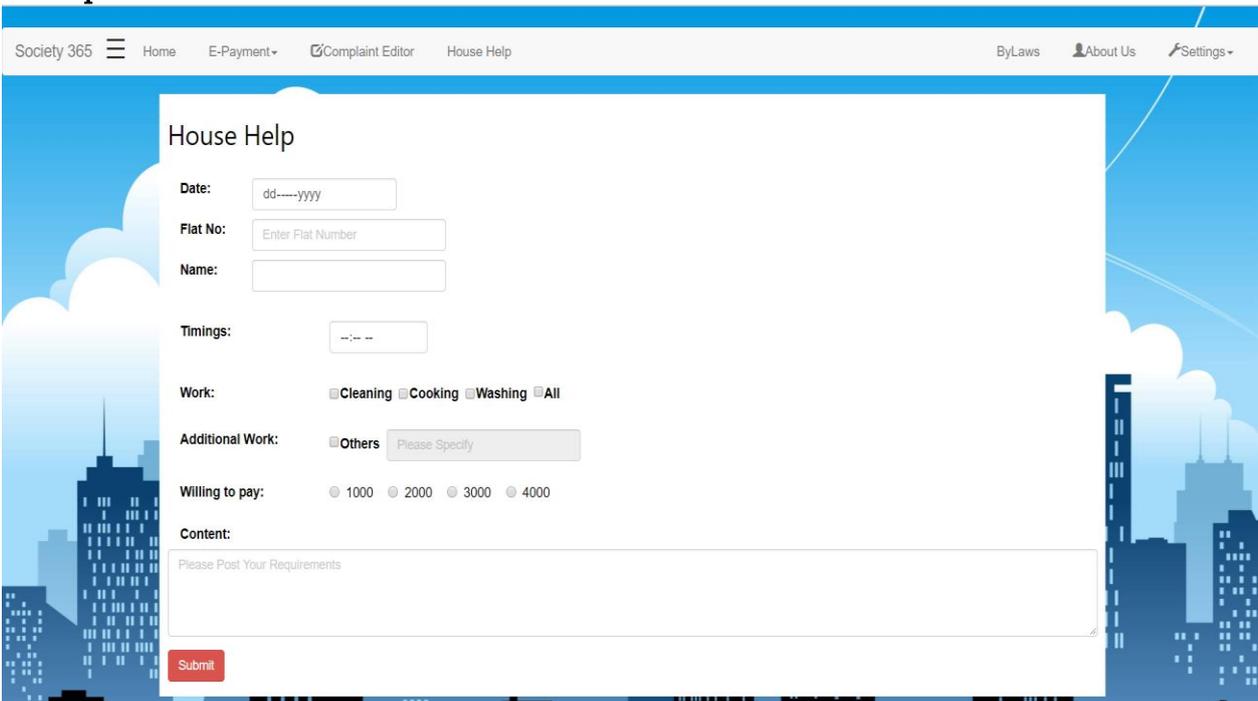
### Complaint Editor:



The screenshot shows a web application interface for a 'Complaint Editor'. The page has a blue header with navigation links: 'Society 365', 'Home', 'E-Payment', 'Complaint Editor', and 'House Help'. On the right side of the header are links for 'ByLaws', 'About Us', and 'Settings'. The main content area is white and contains the following form fields: 'Date' (dd----yyyy), 'Flat No' (Enter Flat Number), 'Name' (Enter Name), 'Subject' (Enter Subject), and 'Content' (Enter Content). Below these fields is a 'Choose File' button with the text 'No file chosen' and a red 'Submit' button. The background of the page features a stylized cityscape with blue buildings and white clouds.

Figure 4

### House Help:



The screenshot shows a web application interface for a 'House Help' form. The page has a blue header with navigation links: 'Society 365', 'Home', 'E-Payment', 'Complaint Editor', and 'House Help'. On the right side of the header are links for 'ByLaws', 'About Us', and 'Settings'. The main content area is white and contains the following form fields: 'Date' (dd----yyyy), 'Flat No' (Enter Flat Number), 'Name' (empty), 'Timings' (--:-- --), 'Work' (checkboxes for Cleaning, Cooking, Washing, All), 'Additional Work' (checkbox for Others, Please Specify), 'Willing to pay' (radio buttons for 1000, 2000, 3000, 4000), and 'Content' (Please Post Your Requirements). Below these fields is a red 'Submit' button. The background of the page features a stylized cityscape with blue buildings and white clouds.

Figure 5

## VI. CONCLUSION

This project aids the society members and society officials by providing an organized approach to keep a track of things easily other than doing everything manually. It provides a personalized platform for society members to express their opinions openly without any hesitation. With the help of Society365,

we are constantly updated about the various ongoing activities in the society and can participate or view it from any part of the world.

## **VII. REFERENCES**

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