



# Generalized Residential Management System

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**Abstract**— Daily life in city areas has important things to deal with housing society management. Our day to day needs such as Water supply, Electricity, Security and many more things which directly or indirectly plays the vital role in residential life, comes under residential Management. In most of the cases, residential management practices a traditional way of communication. This certainly has some limitations and disadvantages. Daily notices, monthly meetings, cultural events, miscellaneous contacts for daily needs, meeting scheduling and event management, visitors log management, security alerts, high priority communication, complaint management, documents management, and many others which may not be conveyed properly in current scenario as most of the things are getting handled manually. It lacks transparency. To overcome the problems occurring due to this time lagging manual system, an automated system needs to be developed to reduce the human efforts

**Keywords**—Residential Management, Visitors Log Management, Online Payment, Complaint Management.

## I. INTRODUCTION

The aim of project is to provide reliable service that solves the issue of residents immediately. In this pandemic situation, this will help society members and community to manage society issue in a contact less way. In residential all jobs are decided in meetings and maintenance bills, contacts number of members are noted in the papers. There is no automated system for doing all the things that generally happen in resident so that members can come to know what is happening in society. This system of maintaining a resident is made in such a way so that the most common problem faced by residential societies are solved. This system is a cloud based system to manage the day to day activities of any cooperative residential society. They need the coordination between the

respective management secretary coupled with the vendors which provide these services so that the appropriate convenience can be provided. The main functionality of this project is that there are an online maintenance tracking and accounting (payment gateway integration, income and expense tracking, etc. .In this system, the and expense tracking, visitor log management, meeting management, complaint management and validation of user and their role are created in an easy manner also the system is user friendly.

## II. PROPOSED ALGORITHM

Society Problems:

Many a time's notices are not properly received to the members of the society, and every time notices are manually sent to each and every flat. While voting, not all the members are present and in their absence voting is done. Every society related record is in form of document, not everyone has rights to access that paper. Not all members are aware about the society happenings (Festival celebration, Emergency notice, etc.). Secretary of Shree Gokul Dham Co-op society "shubham sharma" highlighted some points while discussing about the society facts. It is said that "while maintaining the bills it may happens the bills are misplaced. Many a time members are unaware about meetings even though the notices are sent manually to each and every flat. Even some people hesitate to put forth their complaints about water leakage, gas leakage and other problems. Many a time people conflicts while discussing the issues, even agenda about the meeting should be very clear. It happens people forget to pay maintenance bill etc. even though maintenance box is provided. Many members are not interested what actually happening in society. There are always some services provided for the members of the society like pesticides control, leakage fixing, etc. as they said some members remain unaware about this service. Over the years landlords/property managers have had a problem in maintaining and managing their customers and their own records". In addition management has become difficult because of issues that include: Data growth: data increase day to day. Storing and maintaining all data manually is very



difficult Lack of computerized system: Currently most landlords/property managers use the manual system in recording and maintaining their property and customers data Data security is not assured: In a manual way, data is recorded on books , papers which may easily get damaged leading to loss of data 4 Residential Management System There is no database to store information: Potential of data loss or damage is very high because data is stored on tangible files Lack of Requirements: The crucial requirements in every society makes management of the tenants and houses very difficult as some tenants may end up not paying rent.

Web Portal:

Residential Management System Generally, in every 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 the society, so that members can come to know what are happenings in society. The Society Management System allows members to login with their own account and get updated with society. The system has automated functionality for calculating monthly maintenance bill and member can view their status on their account. The online voting allows the society for different position like Chairman, Treasurer etc. Members can vote the candidates that are standing for different roles in society Simplicity is the ultimate sophistication. Housing Society Management System exactly follows This phrase and aims at making the current situation in the society simple and efficient.Society Management System reduces the conflicts that arise within the society by providing facilities such as online voting system, online maintenance bill payment, parking payment, online notice board etc. It automates certain attributes that occurs within the society and makes it easy for the members of the society an easy access to the society happenings and on goings Society Run Website: Society Run is a web-based residential Management solution for Society and commercial complexes and Housing Societies. Provides a simple yet intuitive platform where society member can SHARE their thoughts, Give opinion via Chat, get Notices, Events update, Broadcast Email and many more. Store and access your common society documents, Member / Tenant / visitor Registers with easy steps. Society Run also helps in quick complaint resolution. Payment Reminders, Payment Gateway, Track Income, Expense

### III.System Architecture

The general system architecture of the application wherein the the user and the admin interact with the web server which fetches the data from the database. This project can play a vital role in providing solution for tasks of residential societies that are critical to handle manually, by reducing efforts and advancements in a reliable communication. This web application entirely works as a notifier that notifies about meetings, notices to the residents and about the complaints to the secretary. Thus this application can provide a smarter and

efficient way of communication between society residents and higher authorities. It's having a generalized system architecture where the admin has all the authorities such as to Active /Inactive and the secretary push notices, meetings details, event details etc. which will be stored in the database through which the member security and staff can absorb this details .

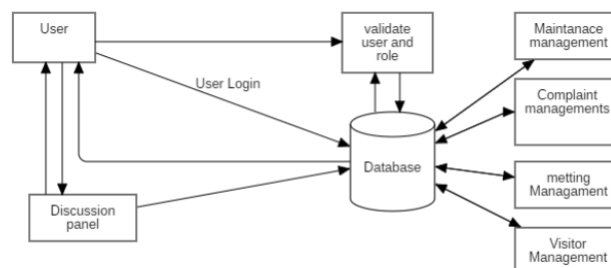


Fig. 1. System Architecture of Rportal

### System architecture has this major blocks

- 1.Maintenance management system.
- 2.Compliant management system.
- 3.Meeting management system.
- 4.Visitor management system.

#### 1.Maintenance management system

Maintenance management and expense tracking is one of the main key feature of our system.In that Secretary can add and update annual maintenance then this data is stored into the database.A member can view there paid and unpaid status about the maintenance if the maintenance is unpaid then member can pay their bills and the status is updated in the database.the updated maintenance is also see by secretary.

**2.Compliant management system** Making and managing complaints is one of the key features of the system. The system allows member to make complaint and secretary to manage those complaints. The member can raise an issue by making the complaint of it to the secretary.

#### 3.Meeting management system

Managing the meeting is key feature of our system .Secretary will manage the schedule of society such as time,date ,agenda,meeting duration and stored into a database.member will view the details of meeting and join with respective date and time.

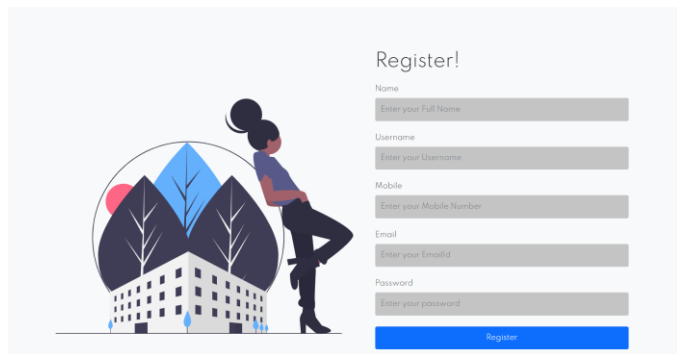
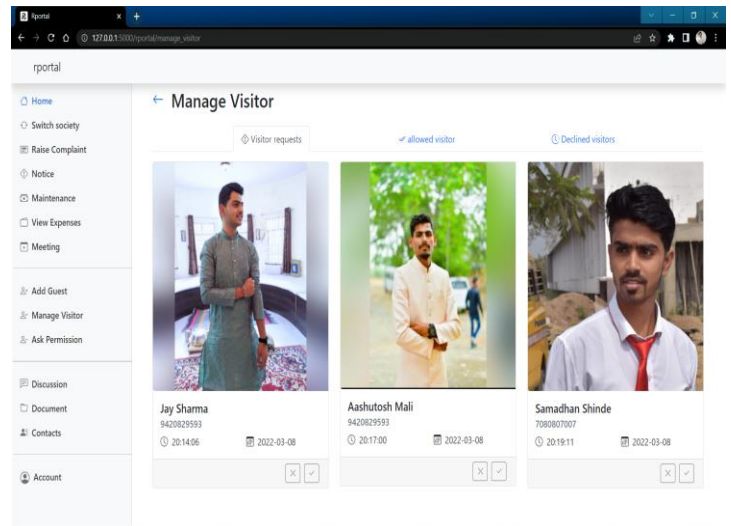
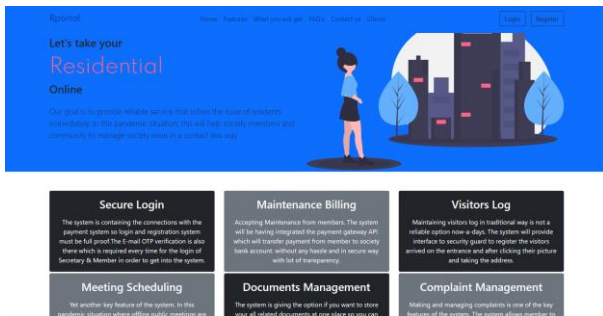
#### 4.Visitor management system

In visitor management module Security can add visitors with their photos he takes the member flat number and wing and stored into the database. Member are view new added guest if he know the guest are known Then he accepted the request and the guests are unknown he declined the guest request.Member can view history of past guests and also add upcoming guest information. This information is stored into a database.

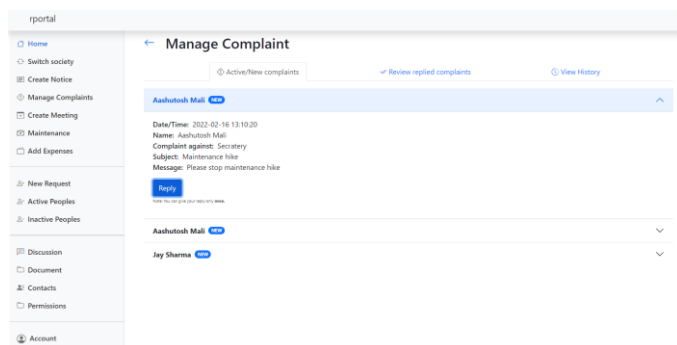


Security will view this information in upcoming guests/visitors.

#### IV. EXPERIMENT AND RESULT



In this module the user must enter all the necessary credentials required for the initial registration. Post successful registration the user data is stored into the application database and then he/she can easily log into the application.



complaint raise by member is display active mode in secretary account. if the complaint is active secretary reply o that complaint ,take action and close the complaint. the complaint are review by secretary

Member are view new added visitor if he knows the visitor are known Then he accepted the request and the visitor are unknown he declined the visitor request.

#### V.CONCLUSION

Generalized Residential Management is the need of the many housing societies because managing the society in traditional way is time consuming and lengthy process. Digital system not only can save time and efforts for secretary but also can bring much transparency to the members in a hassle free way. Also, the system can help societies to become “Smart Society” (digitally managed society). Although it is a small step but it can be step that can help make a big difference.

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