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A PROJECT REPORT
ON

E-Housing Society Management

Submitted in partial fulfillment for Degree of

MASTER OF COMPUTER APPLICATION

By

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Under the guidance of

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Submitted to

Department of MCA
FINOLEX ACADEMY OF MANAGEMENT
AND TECHNOLOGY, RATNAGIRI

FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI

This is to certify that the project report titled:

E-Housing Society Management

Submitted By:

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Aditya Sanjay Shinde
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In partial fulfillment of the award for degree of

MASTER OF COMPUTER APPLICATION

From Mumbai University

And is the bonafide record of the work done by them during the Semester I of

A.Y. 2023-24

<table>
<tr><td>**Internal Guide**</td><td>**HOD**</td></tr>
<tr><td>**(Prof. Supriya S. Surve)**</td><td>**(Prof. Tejas V. Joshi)**</td></tr>
</table>

ABSTRACT

- The Housing Helping Society is web application that manages society by houses with members details.

  - In this society management system all the society categorize by the number of houses. The people who lives in house they may be a owner of house or tenant of house. In this era, people are very busy with their routine work, so they do not have time for complain small problem related to houses. We have developed the system for society member they can make complain form any where any time and we resolve the Complain as soon as possible. In this system people can easily find address of the house by providing member name.

  - In this society helping system there are three types of user one is Admin, Owner of house or member of website and the third rest of all other people

  - The E-Housing Society Management System is a comprehensive and technologically advanced solution designed to streamline the management and operations of housing societies in the digital age.

  - With the growing complexity of managing residential communities, this system aims to provide an efficient, transparent, and user-friendly platform for both residents and society administrators.

  - By leveraging modern technologies, the E-Housing Society Management System seeks to enhance communication, automate routine tasks, and foster a sense of community among residents..

ACKNOWLEDGEMENT

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INTRODUCTION

- In the dynamic landscape of modern living, residential communities face increasingly complex challenges in managing their affairs effectively.

- The E-Housing Society Management System emerges as a revolutionary solution designed to simplify and enhance the administration and communication within housing societies.

- This web-based platform integrates cutting-edge technology to provide an all- encompassing system that addresses the diverse needs of both residents and administrators.

- The E-Housing Society Management System boasts an intuitive and user-friendly interface, ensuring accessibility for all residents, regardless of their technical expertise.

- The E-Housing Society Management System is a comprehensive and technologically advanced solution designed to streamline the management and operations of housing societies in the digital age.

Background:

The traditional methods of managing housing societies have often been characterized by manual processes, paperwork, and a lack of centralized systems, leading to inefficiencies and challenges in communication, financial management, and decision-making. These conventional approaches can result in delays, errors, and difficulties in maintaining transparency within the housing society.

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Objectives

- Our project can store data, update and view records.
- Manage the information Member.
- To find any data in single click.
- Enhanced Security and Data Privacy:

1.2 <u>Purpose, Scope</u>

Purpose

- The purpose is to build an easy, interactive and user-friendly system that will reduce the efforts of manual data collection.

- The primary purpose of the E-Housing Society Management System is to provide an integrated, efficient, and technologically advanced solution for the management and administration of housing societies.

- This system aims to streamline various processes, enhance communication, and improve overall operational efficiency within residential communities.

Scope:

- Our project's major goal is to store and update data while also allowing admins to access records. Currently, the scope of the purposed system is limited to the management of the system.

- The scope of the E-Housing Society Management System encompasses a wide range of functionalities tailored to meet the diverse needs of housing societies.

1. SURVEY OF TECHNOLOGIE

2.1 <u>Existing System and its limitations:</u>

Traditionally, housing societies have relied on manual and paper-based processes for their administrative and managerial tasks. These processes often involve a combination of physical notices, face-to-face communication, and manual record-keeping.

Limitations:

- The reliance on manual record-keeping is prone to errors, leading to inaccuracies in resident data, financial records, and important documents.

- Traditional communication methods, such as physical notices or community meetings, are slow and often result in delays in disseminating crucial information to residents.

- Physical records and notices may pose security risks, and the existing system may lack robust security measures to protect sensitive information.

2.2 <u>Proposed System and its Advantages:</u>

The current system will have a user-friendly interface and simple forms that will make data entry simple and straightforward. The E-Housing Society Management System is a comprehensive, web-based platform designed to overcome the limitations of the existing manual systems. It introduces a range of features and functionalities that leverage modern technology to streamline housing society management and enhance the overall living experience for residents.

Advantages:

- <u>Easy and convenient</u>
- <u>Information is stored on the computer aided storage devices like hard disk cassette.</u>
- <u>Checking of any person status is very fast and easy.</u>
- <u>Without any complicated operations, the entered data can be viewed.</u>

2. REQUIREMENTS AND ANALYSIS

Requirements Specification –

- The system should allow residents to register and create user profiles.

- Member should be able to update and manage their profiles, including contact information and preferences.

- The system should provide tools for scheduling, organizing, and promoting community events.

- A requirements specification document is a crucial part of any software development or system implementation process. It outlines the functional and non- functional requirements that a system must meet.

- Define the boundaries and limitations of the system.

- Identify the stakeholders who will refer to this document.

Planning and Scheduling – **Gantt chart**
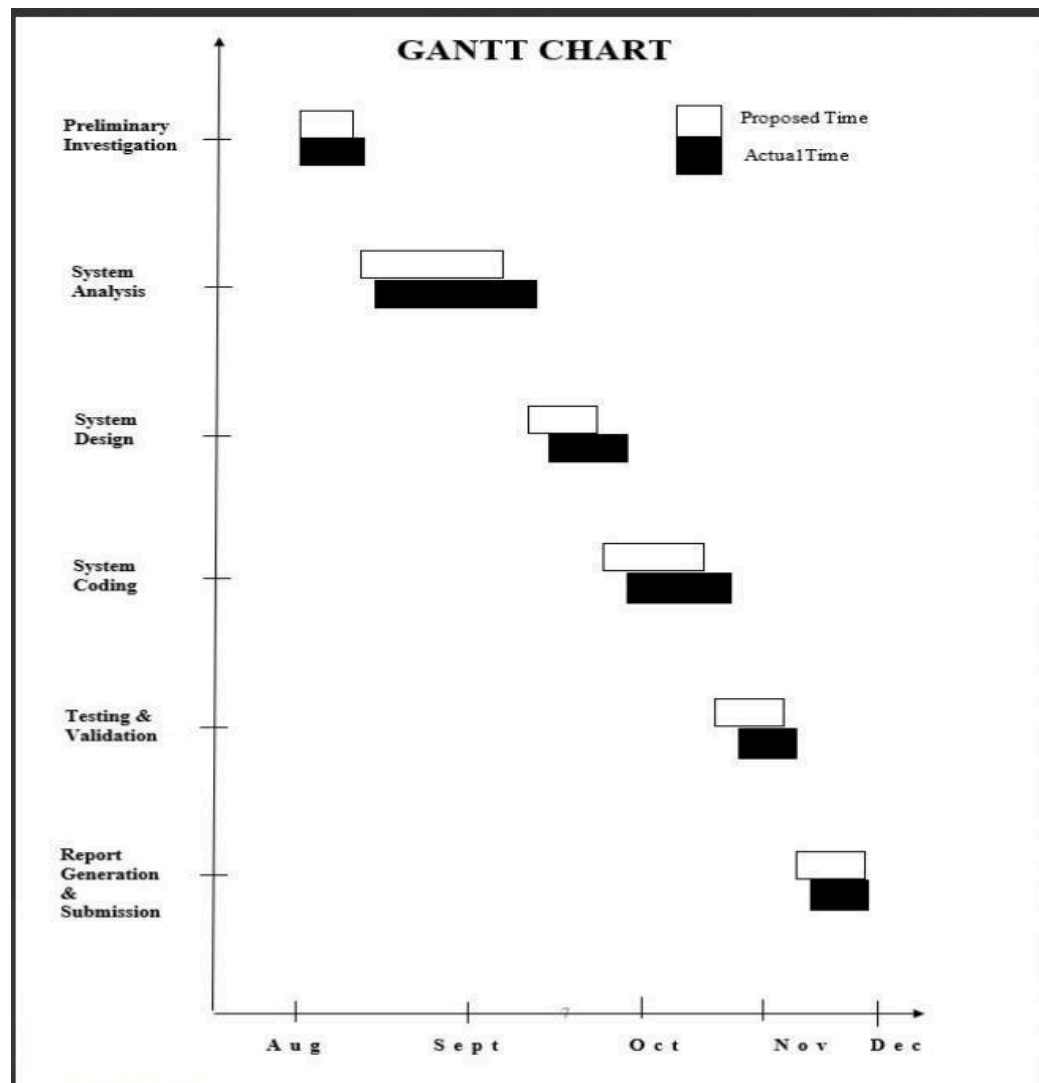
Software and Hardware Requirements

Software:

☐ Front End: Microsoft Visual Studio 2012
☐ Back End: SQL-Server 2008

☐ Operating System: Windows 10/11

Hardware:

☐ Processor: Intel(R)Core i3/i5/i7
☐ Memory: 4/8 GB RAM
☐ Storage Device: HardDisk 1TB/ 512GB SSD

3.4 Preliminary Product Description

- The e-housing society management system is a comprehensive and innovative solution designed to streamline and enhance the management of housing societies or residential communities.

- This digital platform leverages advanced technologies to automate various administrative tasks, improve communication, and foster better collaboration among residents, management committee

☐ **The preliminary product description outlines key features and functionalities of the e-housing society management system:**
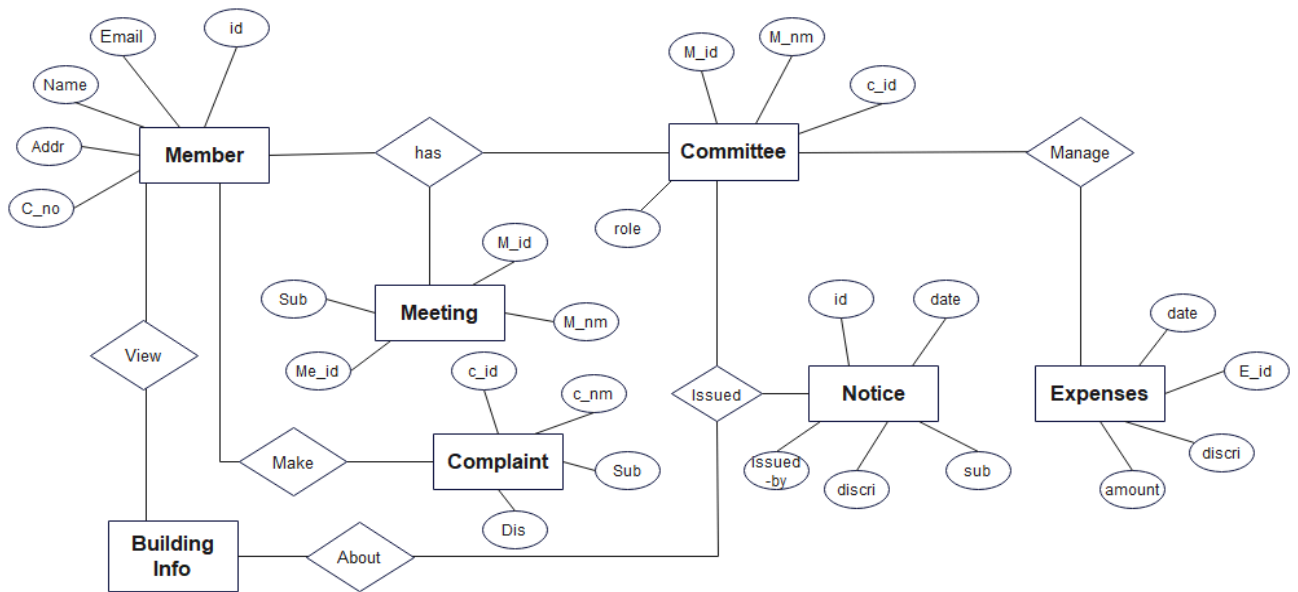
User-Friendly Dashboard:

- Intuitive and user-friendly interface for easy navigation.

- Customizable dashboard providing quick access to relevant information.

Member Management:
- Secure member profiles with personal details and contact information.

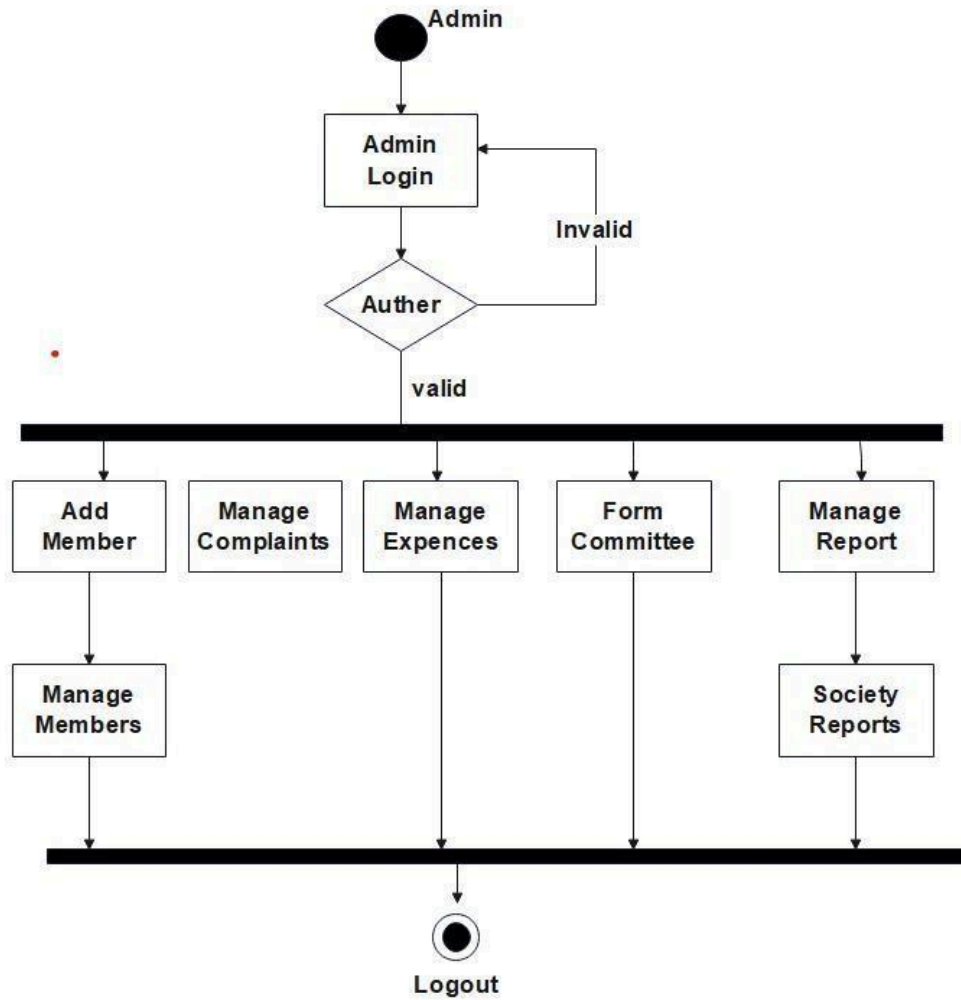- Member authentication to ensure data security and privacy.
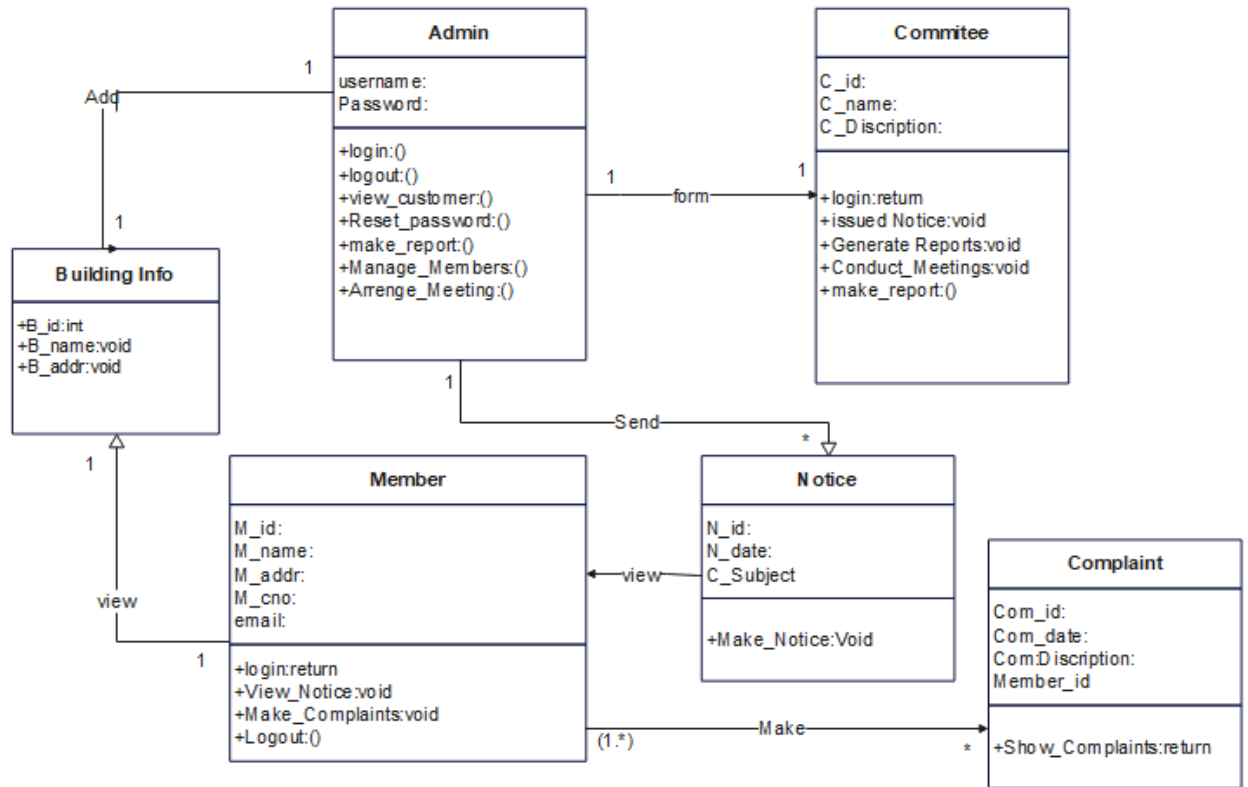
UML Diagrams

ER Diagram

Use Case Diagram :

Activity Diagram 1:

Class Diagram :

Admin

username:
Password:

+login:()
+logout:()
+view_customer:()
+Reset_password:()
+make_report:()
+Manage_Members:()
+Arrenge_Meeting:()

Commitee

C_id:
C_name:
C_Discription:

+login:return
+issued Notice:void
+Generate Reports:void
+Conduct_Meetings:void
+make_report:()

Building Info

+B_id:int
+B_name:void
+B_addr:void

Member

M_id:
M_name:
M_addr:
M_cno:
email:

+login:return
+View_Notice:void
+Make_Complaints:void
+Logout:()

Notice

N_id:
N_date:
C_Subject

+Make_Notice:Void

Complaint

Com_id:
Com_date:
Com:Discription:
Member_id

+Show_Complaints:return

Add
form
Send
view
Make
view

System Design

Database Design

1. Registration Form

Name	Data Type	Allow Nulls	Default
username	nvarchar(50)	☐	
password	nvarchar(50)	☑	
school	nvarchar(50)	☑	
email	nvarchar(50)	☑	
contact	nvarchar(50)	☑	
		☐	

2. Member

	Name	Data Type	Allow Nulls	Default
⚷	M_MID	int	☐	
	M_MName	nvarchar(50)	☑	
	Flat_No	nvarchar(50)	☑	
	M_MConNo	bigint	☑	
	M_MEID	nvarchar(50)	☑	
			☐	

3. Building

Name	Data Type	Allow Nulls	Default
B_no	int	☐	
B_Name	varchar(50)	✔	
Address	varchar(50)	✔	
Wings	varchar(50)	✔	
Floors	varchar(50)	✔	
Flats	varchar(50)	✔	
		☐	

4. Committee

Name	Data Type	Allow Nulls	Default
CO_AcademicYear	int	☐	
CO_Pressident	varchar(50)	✔	
CO_Secretary	varchar(50)	✔	
CO_Tressurer	varchar(50)	✔	
		☐	

5.   Complaints

Name	Data Type	Allow Nulls	Default
🔑 Id	int	☐	
Name	varchar(50)	☑	
Subject	varchar(50)	☑	
Description	varchar(50)	☑	
		☐	

6.   Expences

Name	Data Type	Allow Nulls	Default
🔑 E_EID	int	☐	
E_Date	nvarchar(50)	☑	
E_To	nvarchar(50)	☑	
E_Details	nvarchar(50)	☑	
E_Ammount	float	☑	
E_Status	nvarchar(50)	☑	
E_BName	nvarchar(50)	☑	
E_IFSC	int	☑	
E_AccNO	int	☑	
		☐	

7.   Flats

Name	Data Type	Allow Nulls	Default
🔑 wing_no	int	☐	
floor_no	int	☑	
flat_no	int	☑	
status	int	☑	
		☐	

8.   Notice

Name	Data Type	Allow Nulls	Default
🔑 N_MID	int	☐	
N_MName	varchar(50)	☑	
N_Date	nvarchar(50)	☑	
N_Destinations	varchar(50)	☑	
N_Sub	varchar(50)	☑	
N_Published	varchar(50)	☑	
		☐	

9. Meeting

Name	Data Type	Allow Nulls	Default
🔑 M_MID	int	☐	
M_MName	varchar(50)	☑	
M_NID	int	☑	
M_Mdate	nvarchar(50)	☑	
M_MSub	nvarchar(50)	☑	
		☐	

10. Contact Us

Name	Data Type	Allow Nulls	Default
name	nvarchar(50)	☐	
Email	nvarchar(50)	☑	
Message	nvarchar(50)	☑	
		☐	

Use InterFace Design

Structural Overview of Our Web Site

Home Page

Login Page

Member Form

	MEMBER	
Member ID	Member ID	First
	Search	
Member Name	Member Name	Next
Flat No		Prev
Contact No	Contact No	Last
Email	Email	
Add	Edit . Delete	Cancel

Building

BUILDING INFO

Building No	Building No
building Name	Notice ID
Address	Notice ID
wings	
Floor	
Flats	Flats Information >>>

Add   Edit   Delete

Committee

COMMITTEE

Academic Year	[dropdown]	First
President	[dropdown] Get	Next
Secretary	[dropdown]	Prev
Tresurer	[dropdown]	Last

Add   Edit   Delete   Cancel

Complaints

--

COMPLAINT

Member ID [dropdown] GET

Member Name   Date

subject   Details

Complaint   Ammount

Add   Edit   Delete

Expences

Expences ID	Expences ID	First
	SEARCH	
Date	dd-mm-yyyy 📅	Next
To	To	Prev
Details	Details	Last
Amount	Ammount	
Paid By	○Cash ○Cheque	
Add	Edit Delete	Cancel

Flats

FLATS

Wings :   [⌄]   [Get]

Floors   [⌄]

Flat No: [⌄]

Status: ○Available ○NotAvailable

<< Back

Notice

NOTICE

Member ID	[dropdown] Get	First
Member Name	Member ID	Next
Date	dd-mm-yyyy	Prev
Destinations	Destinations	Last
Subject	Subject	
Published By:	Published By	

| Add | Edit | Delete | Cancel |

Meeting

MEETING

Member ID	[dropdown] Get	FIRST
Member Name	Notice ID	
Meeting ID	Meeting ID	NEXT
Date	dd-mm-yyyy	PREVIOU
Subject	Subject	LAST

| Add | Edit | Delete | Cancel |

FeedBack

Feedback

Name

Default input

Email

Username

Subject

Default input

Message

Submit

Reports

1.   Meeting

M MID	M MName	M NID	M Mdate	M MSub
1	Sahil Navlekar	1	2023-03-24	Light Bill Check
2	Yash Sawant	2	2023-03-11	Gardening
3	Jitesh Sawant	3	2023-03-13	Maintainance
4	Rahul Pawar	4	2023-03-08	Grass Cuting
5	Aditya Shinde	5	2023-03-16	Hall Maintain
6	Shashank Mungekar	6	2023-03-11	Gardening
7	Rushikesh Satam	6	2023-03-16	Gardening

2.   Notice

E-HOUSING SOCIETY

Address: At/post Kankavli Tal:Kankavli
Contact:9607028594 Email-id:suyashshinde360@gamil.com

N MID	1	N MName	Sahil Navlekar
N Date	2023-03-09	N Destinations	Hall
N Sub	Light Bill Check	N Published	Suyash Shinde

3.   Expenses

E EID	E Date	E To	E Details	E Ammount	E Status	E BName	E IFSC	E Acc NO
1	2023-02-13	Sahil Navlekar	Member1	2000		SBI	423365447	436253467
2	2023-03-14	Yash Sawant	Member2	5000		SBI	547635342	234353433
3	2023-03-15	Jitesh Sawant	Member3	1000		Maharastra Bank	467893412	453334322
4	2023-04-16	Rahul Pawar	Member4	5000		SBI	657456464	645634322
5	2023-04-16	Rahul Pawar	Member4	5000	Cheque	SBI	657456464	645634322
6	2023-04-16	Shashank Mungekar	Member6	500	Cheque	SBI	657456464	645634322

Conclusion

This project was actually a great opportunity for growth of myself and I enjoyed every single period of work. The task took more time to the different parts of the project development and gave its genuine understanding. The struggle and challenges faced by me during the project development was life learning and will always be our actual guide for future. I had put all my best to perform the project.

The project is running effectively and agreeably to satisfy the clients expectations. During the task advancement I truly understood the betterments and facilities those might have been given to upgrade the venture. I look at them as future improvements.

The conclusion of an e-housing society management system would typically involve summarizing the key findings and outcomes of the system implementation.

While the e-housing society management system has demonstrated considerable success, it is crucial to acknowledge that continuous monitoring, updates, and user training are essential for its sustained effectiveness.

Additionally, feedback from users should be actively sought to identify areas for improvement and address emerging needs.

SECURITY ISSUES

Most common security issues are applicable for the project:

SQL Injection

System Failure

Power Cuts

Hardware

Failure

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