SOCIETY MANAGEMENT SYSTEM

A Project Report Submitted in partial fulfilment of the Requirements for the award of the Degree
Of.

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

BY

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32001

Under the esteemed guidance
of
Prof. Sonal Mehrotra Designation

DEPARTMENT OF INFORMATION TECHNOLOGY
TILAK EDUCATION SOCIETY (Affiliated to University of Mumbai)
VASHI, 400-703 MAHARASHTRA

YEAR 2020-21

PROFORMA FOR THE APPROVAL PROJECT PROPOSAL

PRN No.: _____ Roll No._____

1. Name of the Student

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2. Title of the Project

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3. Name of the Guide

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4. Teaching experience of the Guide:

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5. Is this your first submission? Yes: ☐ No: ☐

Signature of the Student Signature of the Guide Date: _____

Date: _____ Signature of the Coordinator

Abstract

The main objective of this Society Management System is to categorize by the number of houses. The people who live in the house may be the owner of the house or tenant of the house. In this era, people are very busy with their routine work, so they do not have time to complain about small problems related to houses. In this project, we have two modules Admin and Users.

Admin in this society management system will have to login with default username and password. Admin has authority to manage bills, view raised complaints and can provide resolutions for the same. He can also check and update the viewer's details and further updates and feeds for the society. Admin can also change and recover his password and update the profile. Admin can add or update the flats details and allotment details by himself regarding the society.

Users in this society management system can login with username and password and can check his/her details about flats. They can check the bill amounts for their existing and history of all bill details and make payment for the same. Users can raise or highlight the issue faced by him/her in the society and can have quick resolutions of it. Users can also check and navigate the new updates and feeds in the society as well as they can also check information about visitors in the society of their own flats as well as in general. Users can provide any feedback to the admin related to the society.

Acknowledgment

I would like to express my heartfelt gratitude to my Prof. Sonal Mehrotra for granting me to do dissertation, and encouraging me during the course of completion for this Project. I would like to thank Mrs. Sherlyn Roy (HOD) for this constant support which has helped me in a great way. I would also like to acknowledge all my friends and parents who have contributed their own towards my project. Last but not the least I would also like thanks non – teaching staff members for their complete co-operation during the duration of the project**.**

Declaration

I hereby declare that the project entitled, "**Society Management System**" done at **TILAK COLLEGE OF SCIENCE AND COMMERCE**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university. The project is done in partial fulfilment of the requirement for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted as a final semester project as part of our curriculum.

Name and Signature of the Student

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CHAPTER 1

Introduction

1.1 Background:

The Society Management System is a web-based application. The main purpose of this "Society Management System" is to provide a convenient and easier way to housing society management and billing projects 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. 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 bills. 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 facilities. It calculates various associated costs, adds them up and provides a bill accordingly.

1.2 Objective:

Generally, in Society all the work is decided in meetings and maintenance bills, contact no of members is 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 bills and members 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 and so on. Members can vote for the candidates that are standing for different roles in society. The system provides a unique interface to every user to interact with the

system. System accepts queries from users and evaluates the need of the query and fires it over the database and results are displayed to the user.

1.3 Purpose, Scope and Applicability:

1.3.1 Purpose:

In the proposed system, the user needs to just login into the application and can find every minute details related to society and self-information and can update the information provided and can make transactions regarding any kinds of society bills and other feeds.

1.3.2 Scope:

In current situations, housing society management authorities use a traditional way of communication which includes a common notice board system operated by responsible society members. Through an online web portal, it provides society members to easily interact with each other avoiding physical presence. Most of the options are available through an online web portal which will be easier and convenient for the society members as well as visitors.

1.3.3 Applicability:

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 play a vital role in residential life, comes under Housing Society Management. In most of the cases, Society 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, security alerts, high priority communication and many others which may not be conveyed properly in the 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.

1.4 Achievements:

I have learned how to work. I know how to build an application. I acquired knowledge to deal with real life applications. I understood how web servers and database servers interact and work together.

1.5 Organisation Report:

The project report still gives only the introduction to application and the description that follows gives you detail of what the system is and how the system works. The most important part to follow in the report is how we have realized our project including technologies and tools used, requirement analysis, how we planned to meet deadlines,
software and hardware requirements. Various conception models including class diagram, sequence diagram, use case diagram, activity diagram, ER diagrams and others. Then follows system design that include basic modules, data design, procedural design, user interfaces, security issues and test cases design. Finally, the report consists of implementing and testing details and at last conclusion, future extension and improvements**.**

Chapter 2

Survey of Technologies

2.1 System Review:

I made a review at different levels to get the needs and requirements of people. I made an aim to conduct this review to understand the need of the project very clearly, to do so we have made a review through several research papers and sites to search for the necessary information. From the review we got new ideas and views which helped us to make our plan and strategy for the project. We also surveyed and analysed the available software of such kind in the market and felt that there is good scope of improvisation in this field.

2.1.1Existing System:

In current situations, housing society management authorities use a traditional way of communication which include a common notice board system operated by responsible society members. Many societies also have started using automated chat systems which are definitely useful up to certain extent but though fails to serve purpose.

2.2 Technology Used:

2.2.1 PHP Technology:

PHP is a general-purpose scripting language especially suited to web development. It was originally created by Danish-Canadian Programmer Ramus Leadoff in 1994. The PHP reference implementation is now produced by The PHP Group.

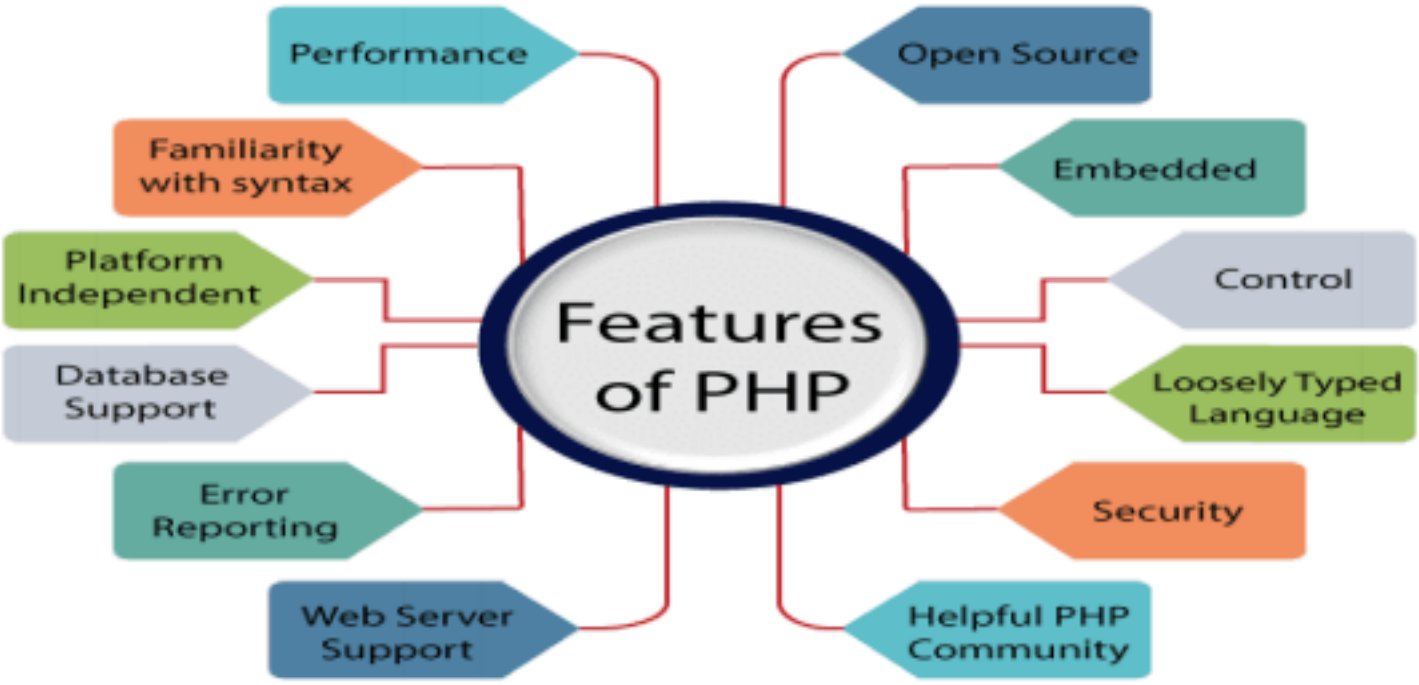
PHP originally stood for Personal Home Page, but it now stands for the recursive initialise PHP: Hypertext Pre-processor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response.

Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response.

Additionally, PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control. Arbitrary PHP code can also be interpreted and executed via

command-line interface (CLI)



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2.2.3 Features:

It is the most popular and frequently used worldwide scripting language, the main reason for its popularity is; It is open source and very simple.

1. Simple
2. Faster
3. Interpreted
4. Open Source
5. Case Sensitive
6. Simplicity
7. Efficiency
8. Platform Independent

9. Security

10. Flexibility

11. Familiarity

12. Error Reporting

13. Loosely Typed Language

14. Real-Time Access Monitoring

● Simple

It is very simple and easy to use, compared to other scripting languages it is very simple and easy, this is widely used all over the world.

● Interpreted

It is an interpreted language, i.e. there is no need for compilation.

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● Faster

It is faster than other scripting languages e.g. asp and jsp.

● Open Source

Open source means you no need to pay for use of php, you can free download and use.

● Platform Independent

PHP code will be run on every platform, Linux, Unix, Mac OS X, Windows.

● Case Sensitive

PHP is a case sensitive scripting language at the time of variable declaration. In PHP, all keywords (e.g. if, else, while, echo, etc.), classes, functions, and user-defined functions are NOT case-sensitive.

● Error Reporting

PHP has some predefined error reporting constants to generate a warning or error notice.

● Real-Time Access Monitoring

PHP provides access logging by creating a summary of recent accesses for the user.

● Loosely Typed Language

PHP supports variable usage without declaring its data type. It will be taken at the time of the execution based on the type of data it has on its value.

2.2.3 SQL Server:

Microsoft SQL Server is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network (including the Internet). Microsoft markets at least a dozen different editions of Microsoft SQL Server, aimed at different audiences and for workloads ranging from small single-machine applications to large Internet-facing applications with many concurrent users.

Database Management Tools:

SQL Server comes with a number of tools to help you with your database administration and programming tasks. Some typical database administration and programming tasks could include:

- ❖ Create & maintain databases
- ❖ Create & maintain tables
- ❖ Create & maintain other database objects such as stored procedures, views, etc.
- ❖ Create & maintain and schedule data backups
- ❖ Replication (egg, create a copy of the database)

- ❖ Create & maintain users, roles, etc.
- ❖ Optimization tasks 2.2.4 features
- ❖ Always On Availability Groups
- ❖ Windows Server Core Support.
- ❖ Column store Indexes.
- ❖ User-Defined Server Roles
- ❖ Enhanced Auditing Features
- ❖ BI Semantic Model.
- ❖ Sequence Objects
- ❖ Enhanced PowerShell Support

2.2.5 HTML:

HTML, which stands for Hypertext Mark-up Language, is the predominant mark-up language for web. HTML is not a programming language; it is a mark-up language. A mark-up language is a set of mark-up tags. HTML uses mark-up tags to describe web pages. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists etc. as well as for links, quotes, and other items. It allows images and objects to be embedded and can be used to create interactive forms. It is written in the form of HTML elements consisting of "tags" surrounded by angle brackets within the web page content. It can include or can load scripts in languages such as JavaScript which affect the behaviour of HTML processors like Web browsers to define the appearance and layout of text and other material.

2.2.6 CSS:

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the colour of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colours are used, layout designs, variations in

display for different devices and screen sizes as well as a variety of other effects. CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the mark-up languages HTML or XHTML.

Advantages of CSS: -

● CSS saves time − You can write CSS once and then reuse the same sheet in multiple HTML pages. You can define a style for each HTML element and apply it to as many Web pages as you want.

● Pages load faster − If you are using CSS, you do not need to write HTML tag attributes every time. Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So less code means faster download times.

● Easy maintenance − To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.

● Superior styles to HTML − CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.

● Multiple Device Compatibility − Style sheets allow content to be optimized for more than one type of device. By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cell phones or for printing.

Chapter 3

Requirements and Analysis

3.1 Problem Definition:

3.1.1 Existing System:

There are not any existing systems for the client side. So all the work is handled manually and has to be noted down in some register and also taking care of that documentation. They arrange meetings by call and if any update occurred then again call the client and update the meeting schedule, it's much of a waste of time as well as money also and also it disturbs the valuable clients.

3.1.2 Proposed System:

To overcome the drawbacks of the 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 which can be beneficial on following fronts:

★ Multiple Reminders

★ Authentic and uninterrupted communication with management

★ Time saver and Go Green activity

★ Society Relevant User Experience

3.1.2 Advantages of Proposed System:

This web site 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 neighbours.

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

3.2 Requirement Specification:

The final output is the requirements specification document (SRS). For smaller problems or problems that can easily be comprehended; the specification activity might come after the entire analysis is complete. However, it is more likely that problem analysis and specifications are done concurrently. All the information for specification activity as following the analysis activity. The transition from analysis to specification should also not be expected to be straightforward, even if some formal modelling is used during analysis. Essentially, what passes from requirements analysis activity to the specification activity is the knowledge acquired about the system. The modelling is essentially a tool to help obtain a thorough and complete knowledge about the proposed system

3.2.1 Analysis of Factual Data:

Analysis of data is a process of inspecting, cleaning, transforming, and modelling data with the goal of highlighting useful information, suggesting conclusions, and supporting decision making. Data analysis has multiple facets and approaches, encompassing diverse techniques under a variety of names, in different business, science, and social science domains. Data mining is a particular data analysis technique that focuses on modelling and knowledge discovery for predictive rather than purely descriptive purposes.

3.2.2 Identification of Essential Requirement:

Identification of essential requirements is an important task in developing the project. In this system the essential requirements are identified through surveying. By surveying, the important needs of the user in our website are known. In the surveying, the different possibilities of society information that have to be included in the website is given by questionnaire.

Questions included like: -

1. Need to change the current admission formalities?
2. Is it advantageous?

3.2.4 Definition of Input Requirements:

Users will carry out their own registration, providing the system before buying any product. This will enable the system to display personalised information when the user logs in and certain information, such as name and address, to be added to each application automatically. Giving each User a specific ID will also allow the admin to get understood about the user to apply to, while giving the system a way to prevent unnecessary duplication of applications. Requiring a registration

the process will also add greater security to the system, as once a user has logged in with their username and password, they will be the only person able to update their information and the only person to make purchases on their behalf.

3.2.5 View Status:

When a user has purchased any product, they will be able to log in to the system at any time and view its required information.

3.2.6 Software Interface:

While deciding the performance of any software, its speed, response time, throughput, resource utilization & efficiency must be taken into consideration.

3.2.7 Safety Requirement:

The database has to be saved from being corrupted. The backup of the database should be taken automatically after regular intervals of time.

3.2.8 Definition of Processing Requirements:

The user as well as admin interface for this system will have to be simple and clear. Most importantly, the pages must be easy to read, easy to understand and accessible. The colour scheme should be appropriate to provide familiarity with the university and there should be no contrast issues. There are many functions the system can perform and these must be logically grouped or displayed in an intuitive order to allow the user to perform tasks quickly and efficiently, without getting lost in excessive amounts of text. The system must also display a large amount of information and to avoid confusion this must be displayed in categories or

in different pages. Furthermore, a small amount of information may be displayed initially, for example with a certain limit on date or amount, and the ability to view more in depth information on the subject should be apparent. The different information displays and functionality objects should be individually distinguishable, allowing the user to navigate through recognition, rather than recall in addition, each function must provide the ability to cancel, leaving the user with the ability to rectify mistakes, and every page should include the ability to return to a central location of the system, ensuring that the user does not get lost within the system with no convenient way to navigate. The system will provide different views for different users, allowing multiple access levels. For example, a student will only be able to see their own details and details of their applications, whereas an administrator will be able to view all users, applications and statistics and will have many more privileges. Being an online system, it will naturally be viewable from any computer with an internet connection, allowing admissions from home, for example. This will provide far more accessibility than if it were written in a language with only limited online capability as any computer is a potential work station, rather than relying on the program being installed.

3.3 Planning and Scheduling:

Requirement Gathering: -

Information Gathering refers to the act of understanding the nature of a program. In our project information gathering mainly includes analysing software development in order to gather information about different fields. It mainly includes:

1. About Functionalities

2. About Database

3. About Front-end Design

➢ About Functionalities– Here we analyse what the essential requirements of our project i.e. the basic functionalities of a web portal and the different modules of a web portal.

➢ About Database – In this we analysed data about different entities considering their relationships. Database will be designed accordingly.

➢ Front-End Design –The analysis gives us an idea about better interactivity and help us to make a user friendly interface. It also helps to maintain a proper flow. By meeting with prospective clients we came to know all their requirements and problems hidden in the system. By meeting we have understood all the requirements and functionality that they expect from the system. In questionnaires we asked many questions related to the different types of competencies and how the tool will give a positive response from the subordinates. In questionnaires we got the complete scenario of the working and rules & regulations associated with their system.

3.3.1 Gantt Chart:

A timeline chart can be developed for the entire project. Alternatively, separate charts can be developed for each project function or for each individual working on the project. When multiple bars occur at the same time on the calendar, task concurrency is implied. The diamonds indicate Milestones.

Once the information necessary for the generation of a timeline chart has been input, the majority of software project scheduling tools produce a project table, a tabular listing of all project tasks, their planned, and a variety of related information. Used in conjunction with the timeline chart, project tables enable the project manager to track progress

3.3.2 PERT (Program Evaluation and Review Technique): -

PERT is a network planning method for managing and controlling large one-time projects. It is a technique for scheduling complicated projects comprising many activities, some of which are interdependent. A PERT network is a flowchart like diagram that depicts the sequence of activities needed to complete a project and the time or costs associated with each activity

1. All of the major activities in the project are specified.
2. The sequences of these activities are determined
3. A network diagram a graphic depiction of the interrelationships among activities, is Constructed

- An activity is a work component to be accomplished, and is represented by an arrow on the network diagram.
- An event (or node) represents a single point in time that is the beginning or the ending of an activity.

4. Three time estimates for each activity are determined and an expected time is calculated for each activity.
5. The critical path is the path of activities and events in the network that will take the longest time to complete

● Delays on any activities on the critical path mean that the project will be delayed.

● Slack is the degree of latitude about when various activities can be started without endangering the completion date of the entire project.

6. After the project has begun, actual times for completion of each activity are collected and recorded on the PERT network so that any rescheduling and adjustments can be made as quickly as possible

3.3.3 Selection of Requirement Strategies:

From the survey analysis graph, it is clear which are all the requirements that the user requires the most. It is decided to include the required information and omit the less priority ones.

3.4 Software and Hardware Requirement:

1.Hardware Specifications:

Hardware: Pentium-based systems with a minimum of P4

RAM: 4GB (minimum)

Keyboard, Mouse

2. Software Specifications:

★ IDE: visual studio code

★ Web server: xampp server

★ Database: MySQL

★ Operating System: Windows

3.4.1 Software Requirements User Interface:

The user interface for this system will have to be simple and clear. Most importantly, the pages must be easy to read, easy to understand and accessible. The colour scheme should be appropriate to provide familiarity with the university and there should be no contrast issues.

There are many functions the system can perform and these must be logically grouped or displayed in an intuitive order to allow the user to perform tasks quickly and efficiently, without getting lost in excessive

amounts of text. The system must also display a large amount of information and to avoid confusion this must be displayed in categories or in different pages. Furthermore, a small amount of information may be displayed initially, for example with a certain limit on date or amount, and the ability to view more in depth information on the subject should be apparent.

The different information displays and functionality objects should be individually 29

distinguishable, allowing the user to navigate through recognition, rather than recall in addition, each function must provide the ability to cancel, leaving the user with the ability to rectify mistakes, and every page should include the ability to return to a central location of the system, ensuring that the user does not get lost within the system with no convenient way to navigate.

The system will provide different views for different users, allowing multiple access levels. For example, a student will only be able to see their own details and details of their applications, whereas an administrator will be able to view all users, applications and statistics and will have many more privileges. Being an online system, it will naturally be viewable from any computer with an internet connection, allowing admissions from home, for example. This will provide far more accessibility than if it were written in a language with only limited online capability as any computer is a potential work station, rather than relying on the program being installed.

3.4.2 Hardware Interface:

CPU: Dual Core Processor

RAM: 4GB

HDD: 500 GB

Keyboard, Monitor, Mouse, Printer

3.4.3 Software Interface:

Operating System: Microsoft Windows 10

Front End tools: Html, Css, JavaScript

Back End tools: PHP

Database: MySQL Database

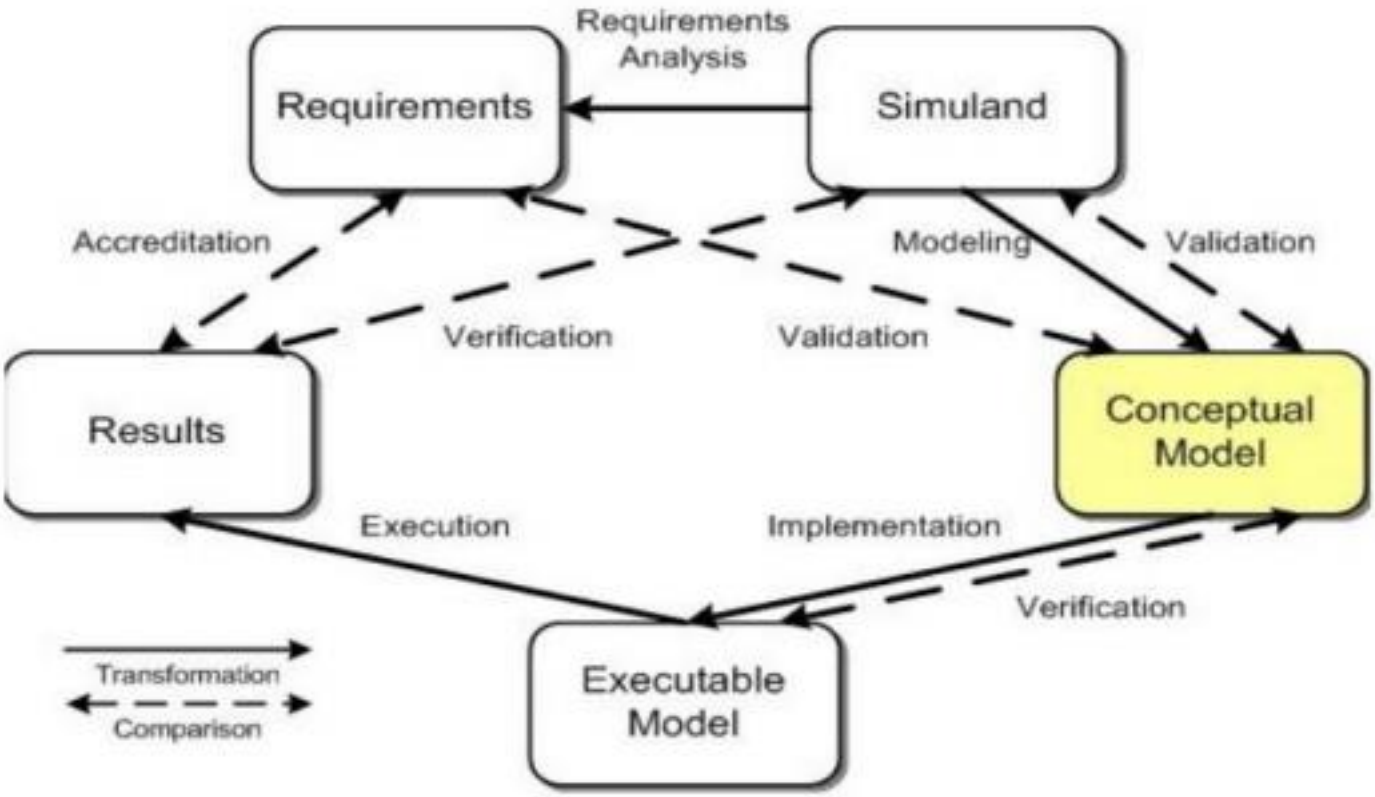
3.5 Preliminary Products Description:

"Society Management System" is aimed at developing an online application for a business deal. This system is an online system that can be accessed throughout the organization and outside as well with proper login provided. Our system has two types of accessing modes, admin and user. Administrator management system is managed by and Secretary of the society. Admin has authority to manage bills, view raised complaints and can provide

resolutions for the same. He can also check and update the viewer's details and further updates and feeds for the society. Admin can also change and recover his password and update the profile. Admin can add or update the flats details and allotment details by himself regarding the society. Users in this society management system can login with username and password and

can check his/her details about flats. They can check the bill amounts for their existing and history of all bill details and make payment for the same. Users can raise or highlight the issue faced by him/her in the society and can have quick resolutions of it. Users can also check and navigate the new updates and feeds in the society as well as they can also check information about visitors in the society of their own flats as well as in general. It improves the operational efficiency and reduces the cost.

3.6 Conceptual Models:


Requirements
Analysis
Requirements
Simuland
Accreditation
Modeling
Validation
Verification
Validation
Results
Conceptual
Model
Execution
Implementation
Verification
Transformation
Comparison
Executable
Model

Chapter 4

System Design

4.1Modules & Descriptions:

The proposed project is a four modules system: user module and admin module. Each module has a certain specific task in appropriately running the application. In order to make the system user friendly, each module is named with its major function and features.

4.2 Modules of Society Management System:

User Management -

- Login
- Account settings
- Raise complain
- Complaint history
- View events
- View bills
- Rent/sell
- View Visitors
- Helpdesk
- logout

Administrator module:

- login
- mange complaints
- mange users
- events/notice
- Manage bills
- Manage rent/sell
- Add categories
- User login/logout
- Helpdesk
- logout

Registration module:

- Full Name
- Contact
- Email ID
- Password

Admin Complaint Module:

- Not processed yet complaints
- Pending complaints
- Closed complaints
- View complain

User profile module-

- Login
- Change House
- Change Password
- Change Profile Image

User Sell module-

- Login
- Sell house
- Change sell price
- Remove from sell

User Rent module-

- Login
- Rent house
- Change rent price
- Remove from rent

User complain module-

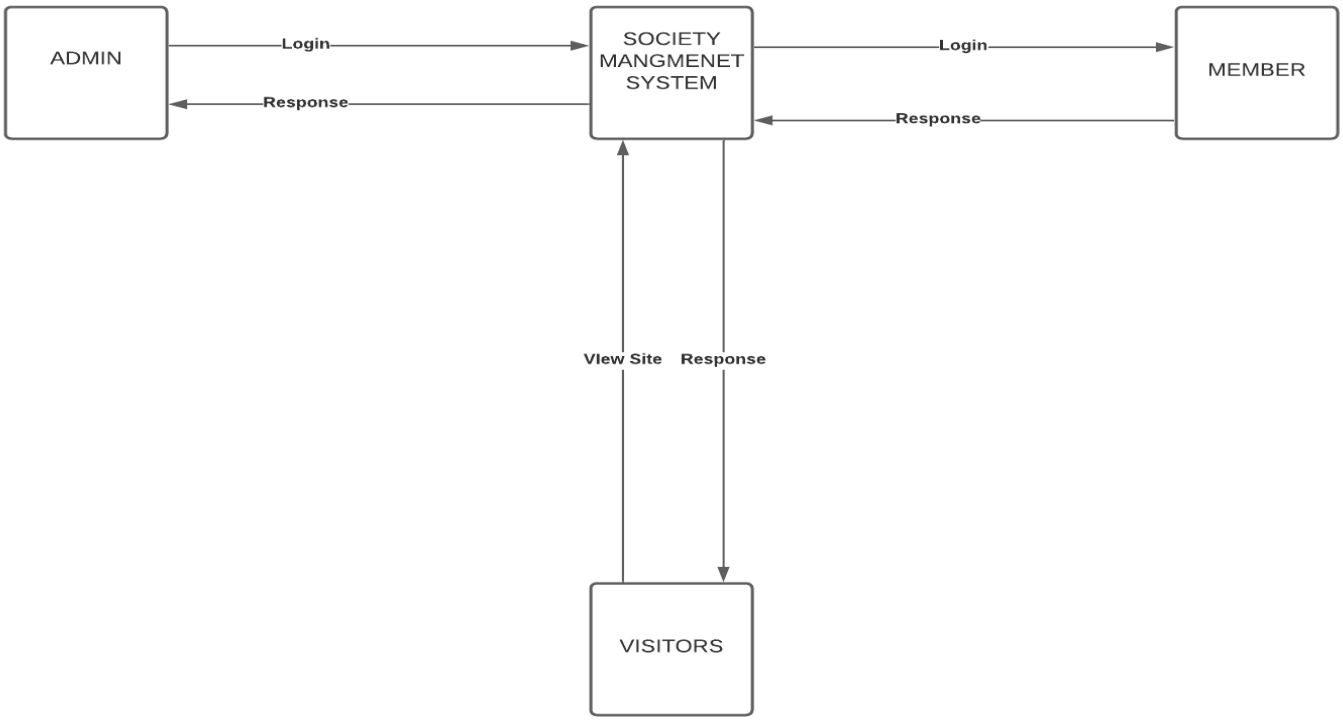
- Login
- New complain
- Complain status
- Remove complain

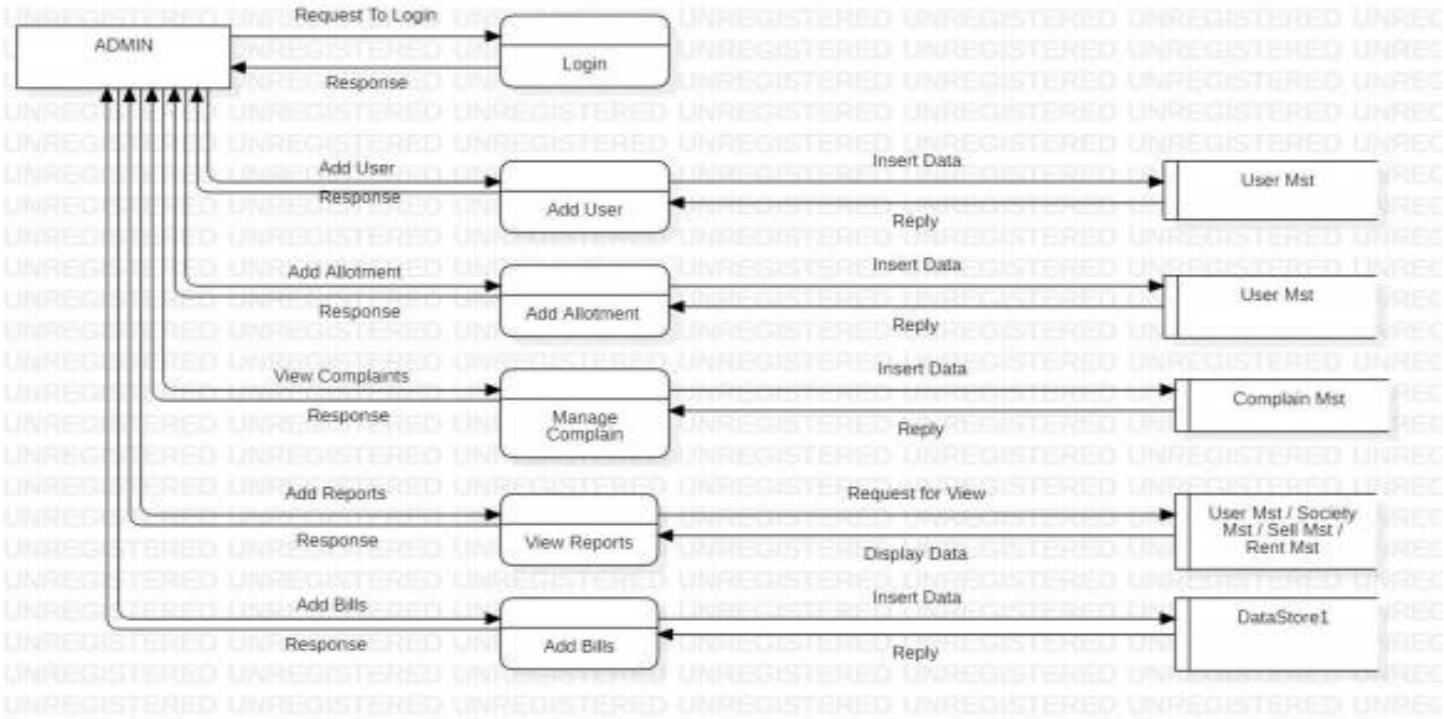
User Bills Payment module –

- View Bills
- Pay Bill

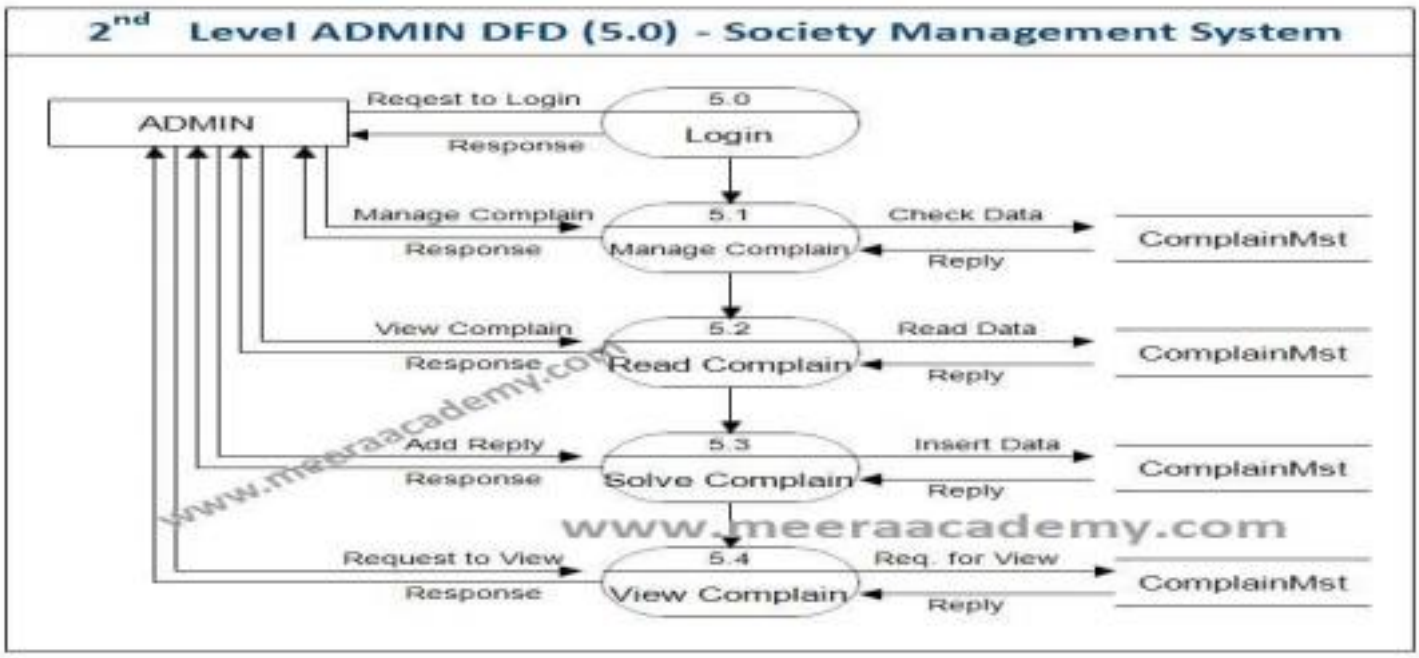
DFD - DATA FLOW DIAGRAM OF SOCIETY MANAGEMENT SYSTEM

1st Level ADMIN DFD – Society Management System –

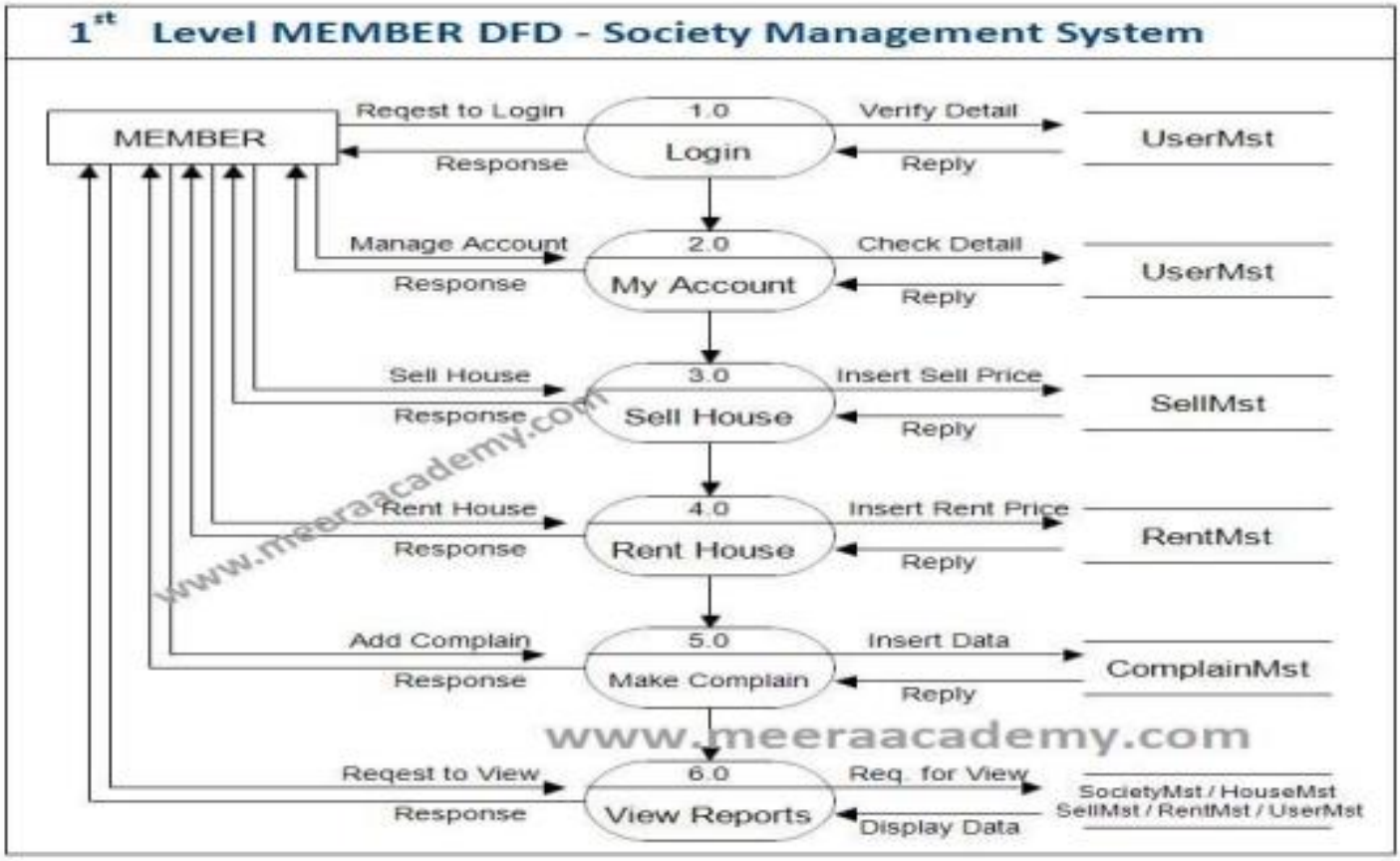




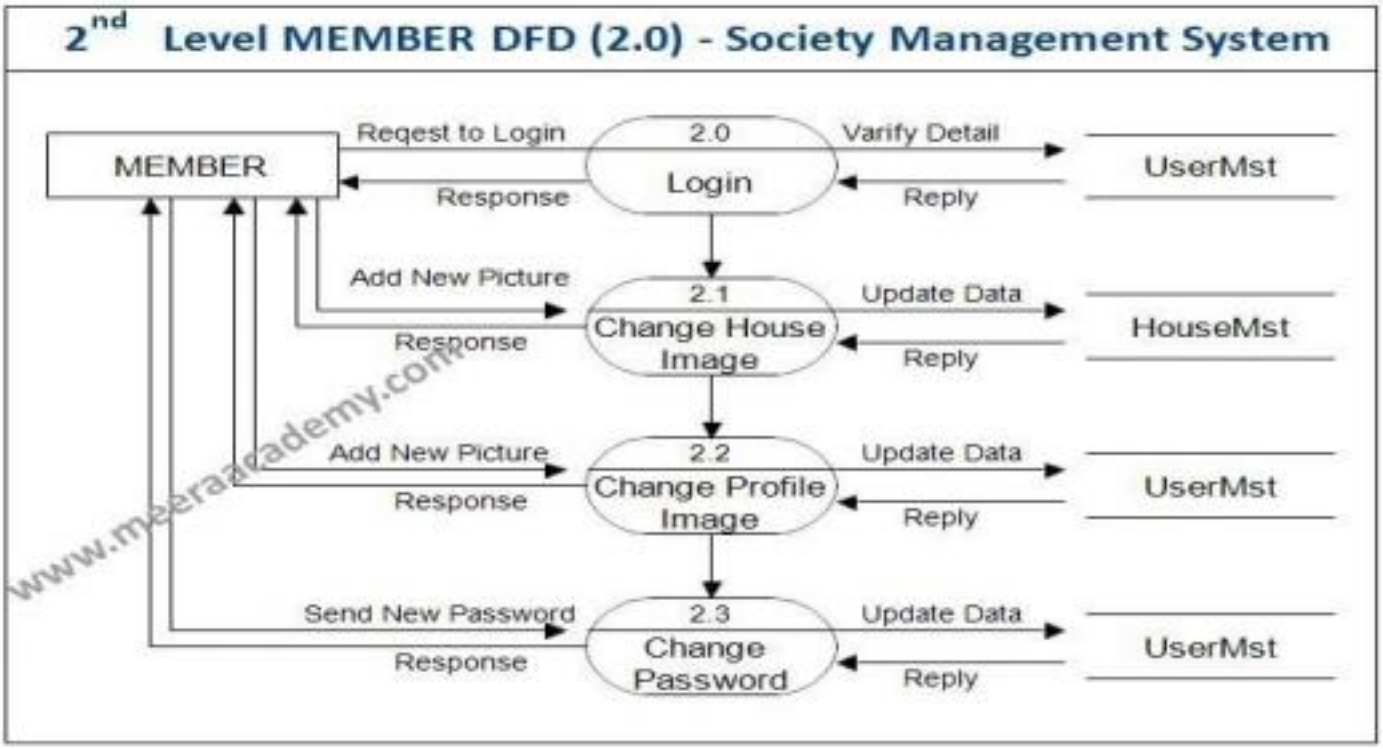
2nd Level ADMIN DFD – Society Management System



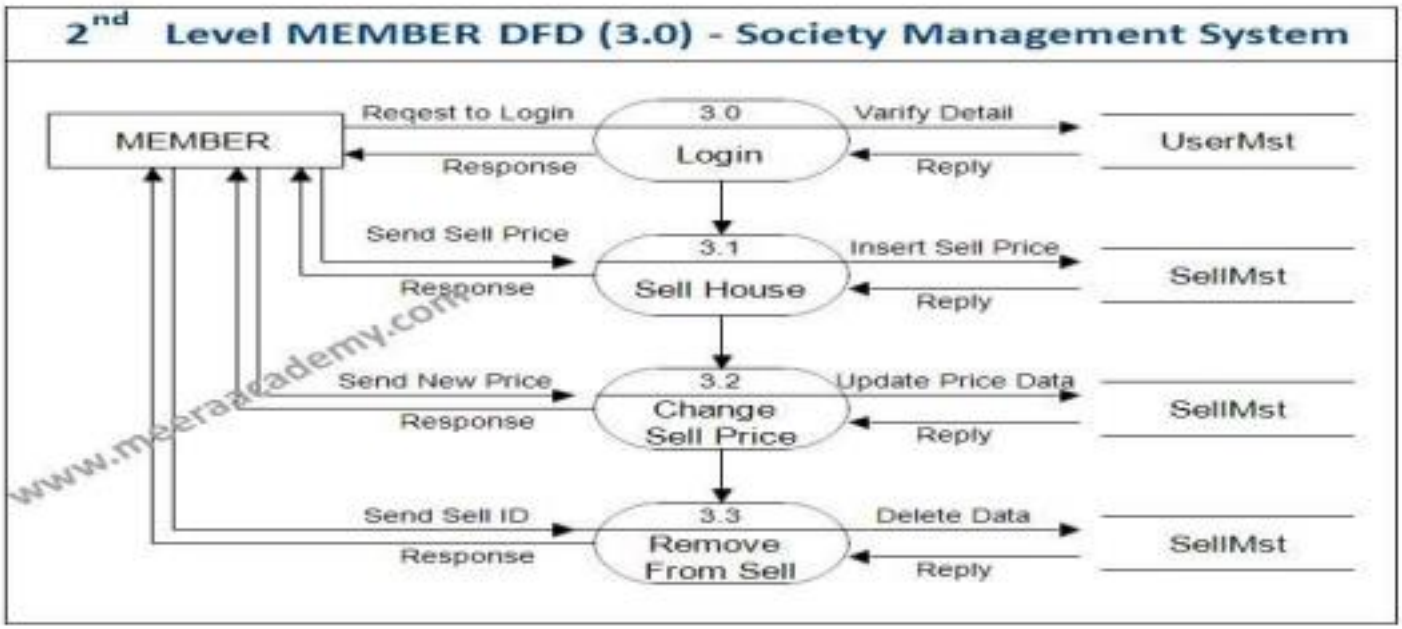
1st Level MEMBER DFD – Society Management System



2nd Level MEMBER DFD – Society Management System



2nd Level MEMBER DFD – Society Management System



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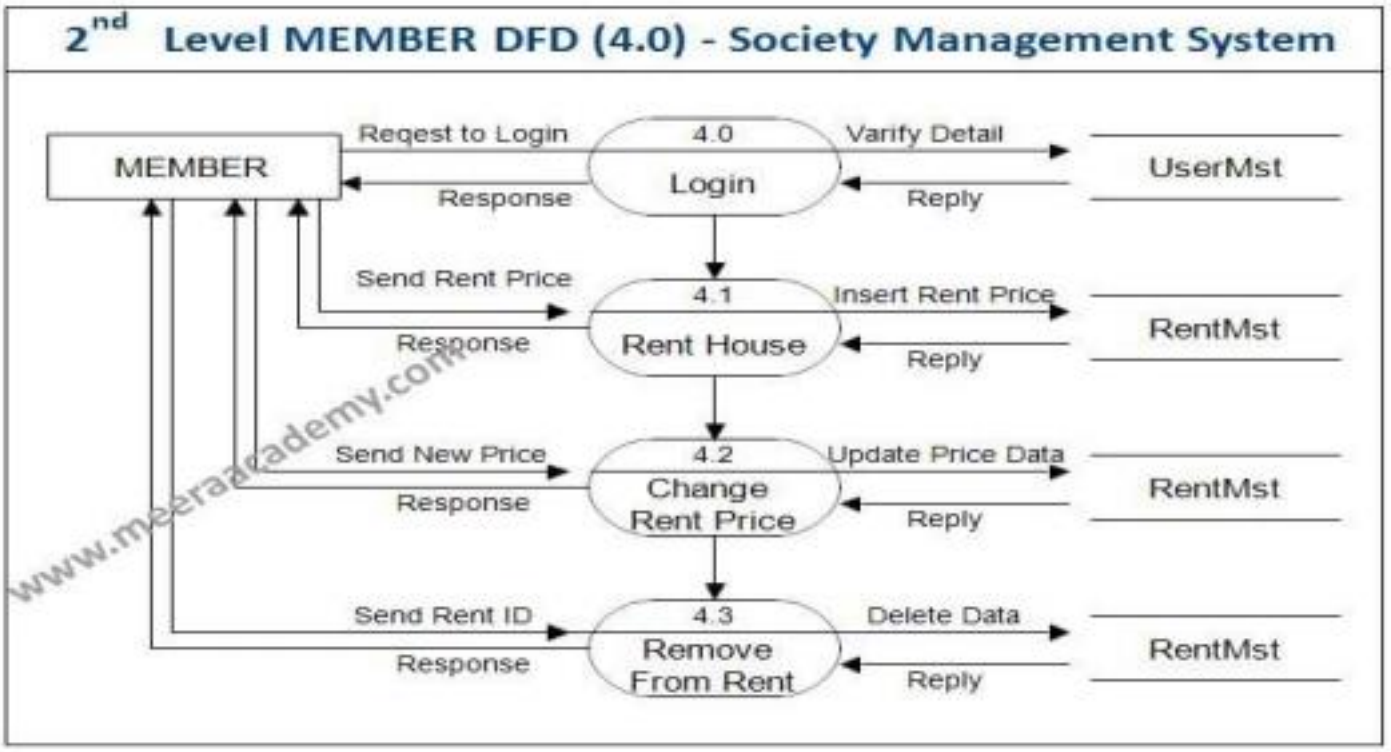
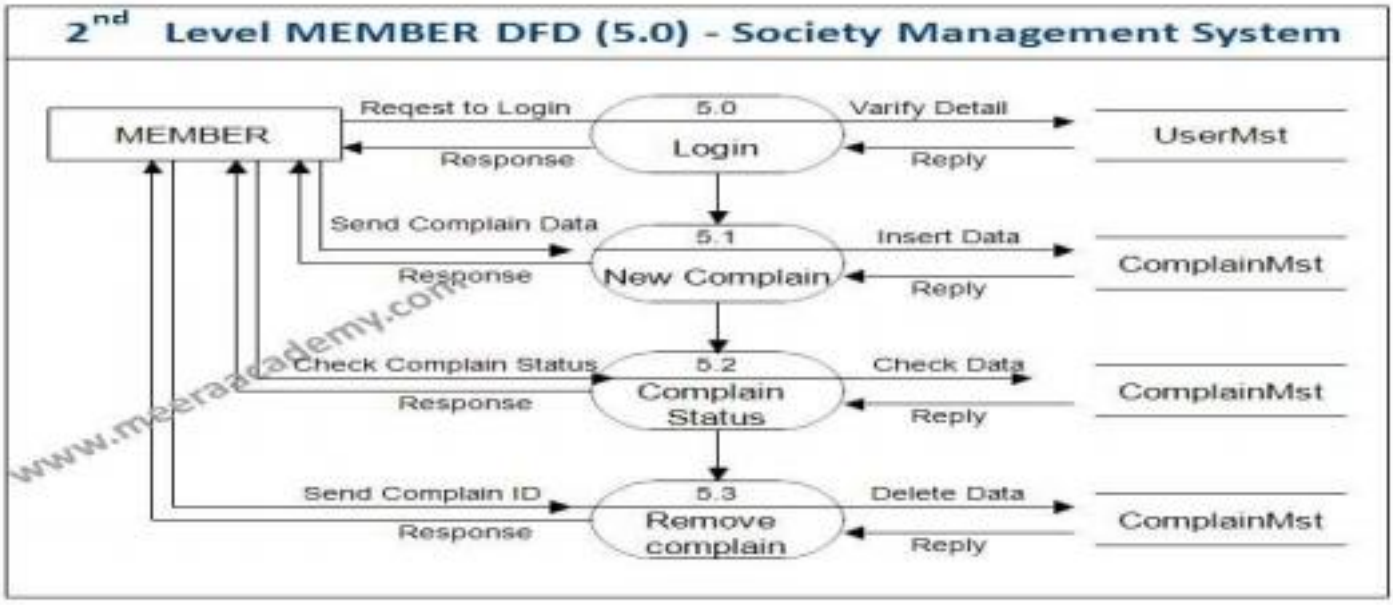
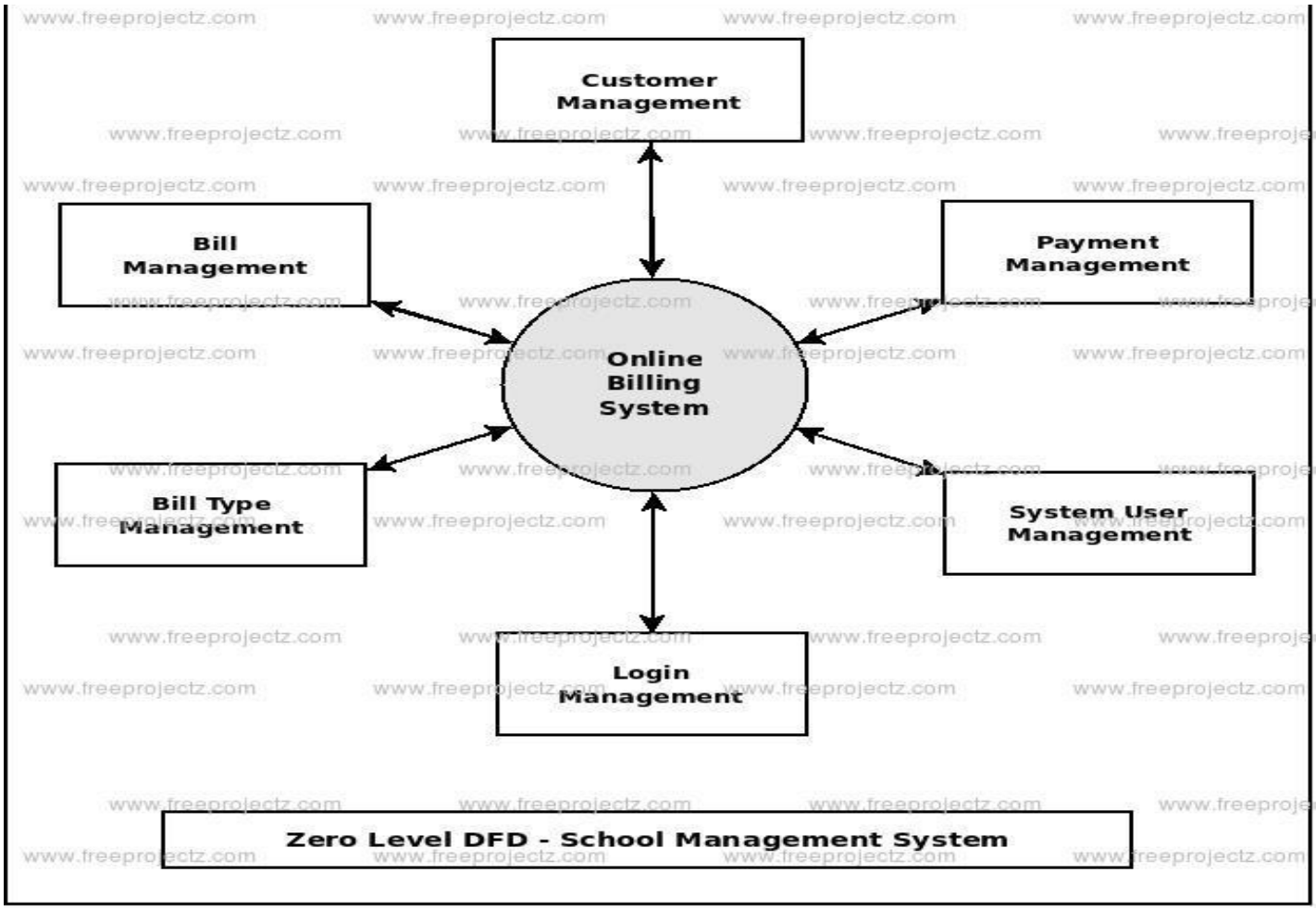
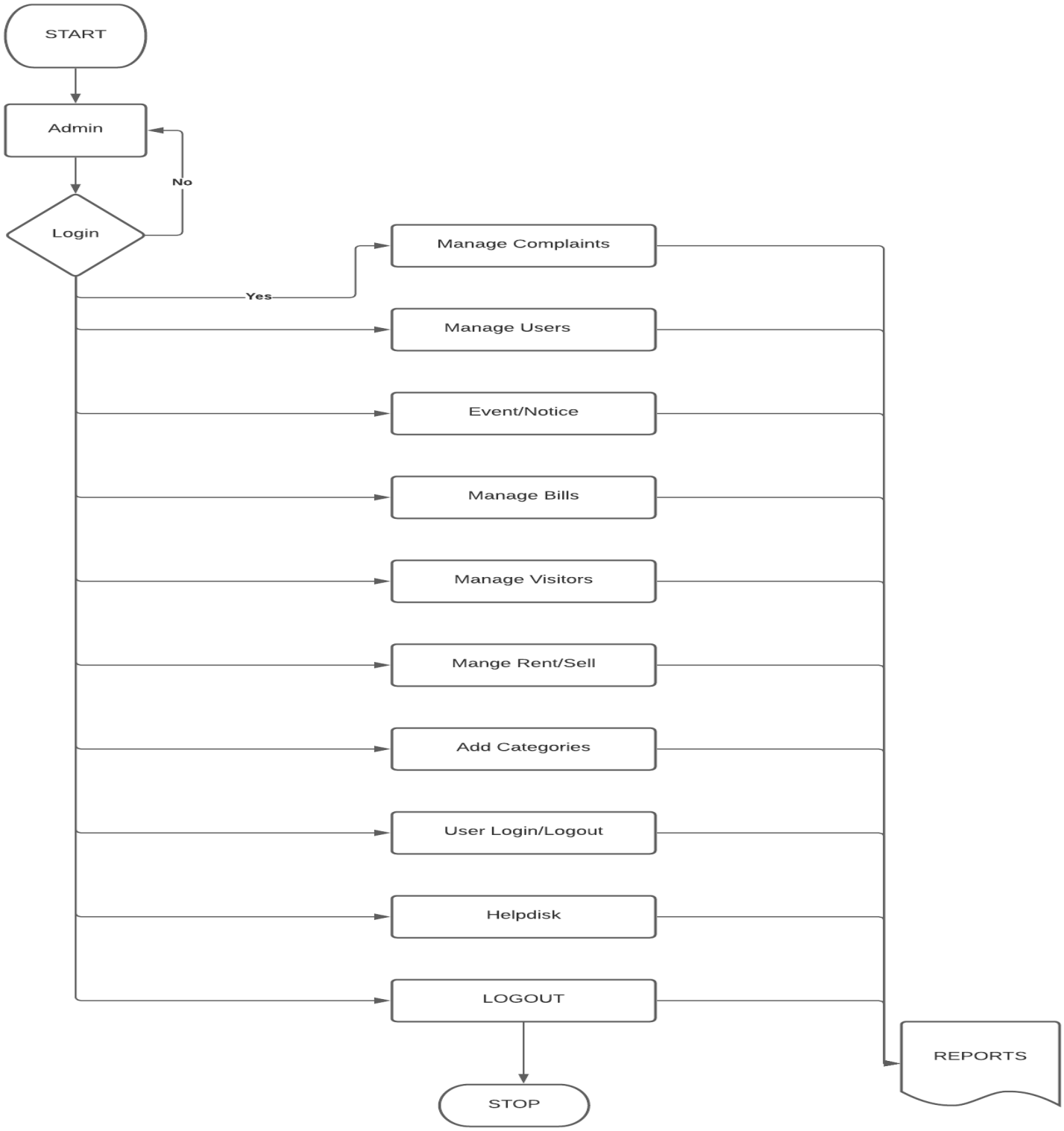


2nd Level MEMBER DFD – Society Management System

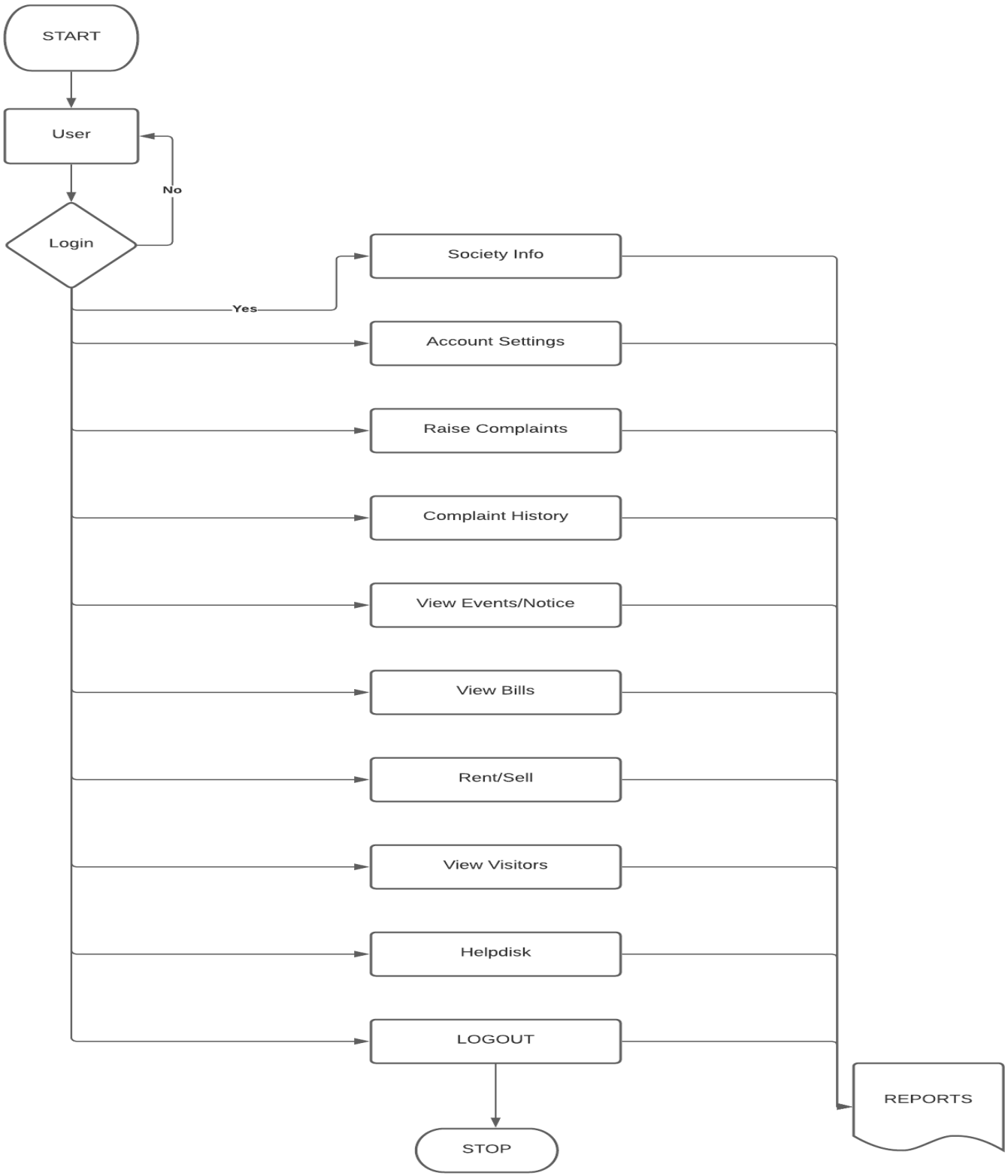



Customer Management
Bill Management
Payment Management
Online Billing System
Bill Type Management
System User Management
Login Management
Zero Level DFD - School Management System

Admin Side Flow Chart Diagram – Society Management System



User Side Flow Chart Diagram – Society Management System



ER DIAGRAM: -

In this **Entity Relationship Diagram,** Admin i.e. Secretary can generate, update, delete and can Read for the following modules

Notice

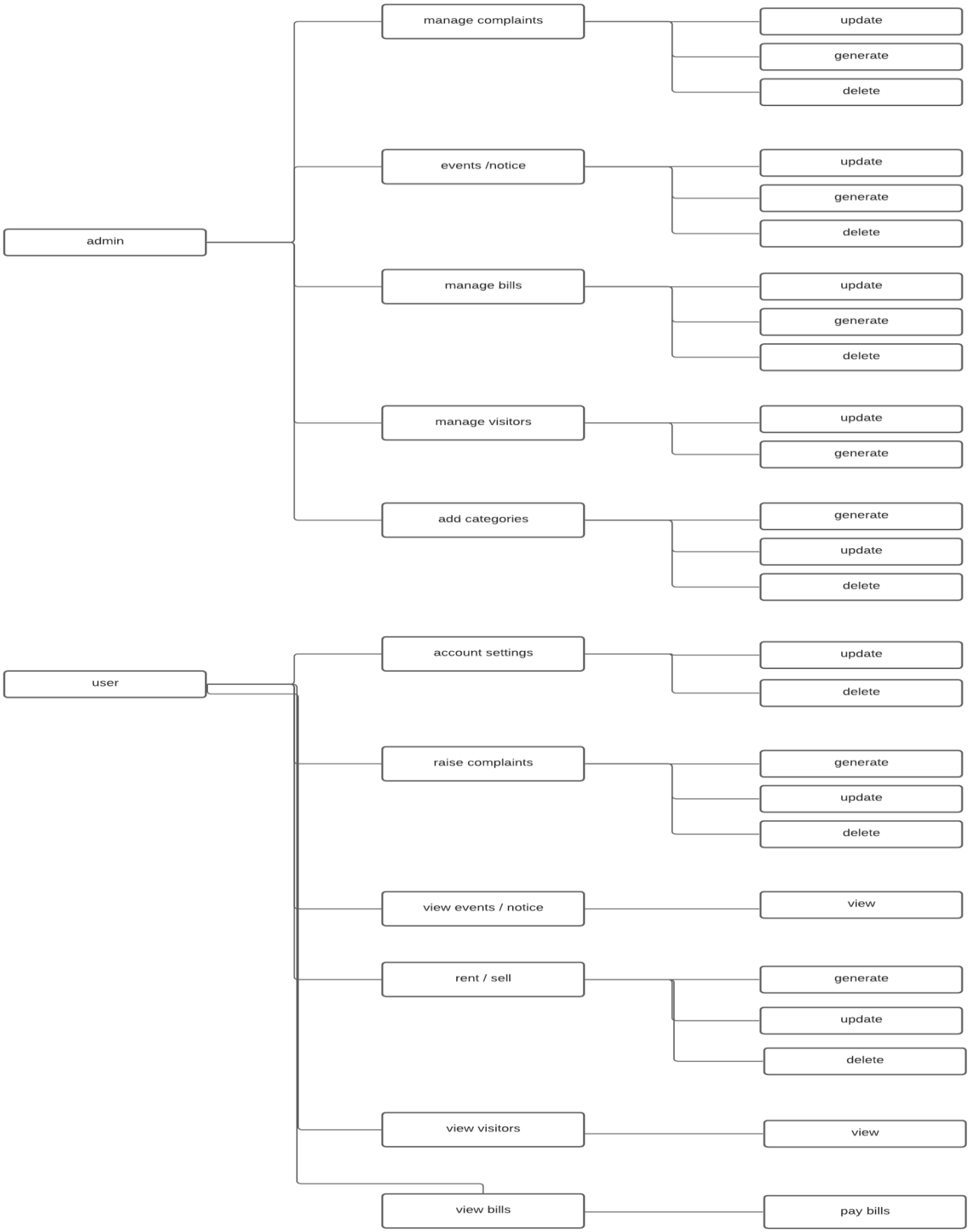
Maintenance

Complaints and suggestions

Fine

Events

And then it is generated according to the admin for the customers i.e. for members in which they can update profile, view events, and pay for maintenance, fine as well as bills and can generate complaints and suggestions. And can pay through the cashier which checks if that payment has been paid or not.


admin
manage complaints
update
generate
delete
events /notice
update
generate
delete
manage bills
update
generate
delete
manage visitors
update
generate
add categories
generate
update
delete
user
account settings
update
delete
raise complaints
generate
update
delete
view events / notice
view
rent / sell
generate
update
delete
view visitors
view
view bills
pay bills

Chapter 5

Implementation and testing

5.1 Implementation Approaches

Implementation is an activity that is contained throughout the development phase. It is a process of bringing a developed system into operational use and turning it over to the user. The new system and its components are to be tested in a structured and planned manner. A successful system should be delivered and users should have confidence that the system would work efficiently and effectively. The more complex the system being implemented the more involved will be the system analysis and design effort required for implementation.

- Identify the project
- Select the software you have required
- Used easy language to understand the user easily
- Used that software to have required
- The user can be developed the website to their requirement and this website fulfil the user requirement

5.2 Coding Details and Code Efficiency

Society Homepage for Admin/user:

Society.php

```
<?php
session_start();
session_destroy();
error_reporting(0);
include('config.php');
if(!strlen($_SESSION['login'])==0)
  {
header('location:society.php');
}
else{
date_default_timezone_set('Asia/Kolkata');// change according timezone
$currentTime = date( 'd-m-Y h:i:s A', time () );


if(isset($_POST['submit']))
{
$name=$_POST['name'];
$contact=$_POST['contact'];
$email=$_POST['email'];
$message=$_POST['message'];
$query=mysqli_query($con,"insert into manage_client(name,contact,email,message) values('$name','$contact','$email','$message')");
$_SESSION['msg']="Data Sent Successfully !!";
if($query)
{
$successmsg="Data Sent Successfully !!";
}
```

```
else
{
$errormsg=" Data not send !!";
}}?
<!DOCTYPE html>
<html>
<head>
<title>Society management system</title>
<link rel="stylesheet" href="css/society.css">
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-
9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-
B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>
  <script src="rentsell css/bootstrap.bundle.min.js"></script>

</head>
<body>
<!------------------navigationbar---------------->
<section id="nav-bar">
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <a class="navbar-brand" href="#"><img src="img/logo.png"  ></a>
    <a class="navbar-brand" href="#">Gokuldham Society</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-
label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav ml-auto">
        <li class="nav-item active">
          <a class="nav-link" href="#carouselExampleCaptions">Home <span class="sr-only">(current)</span></a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="sms/admin/index.php">Admin</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="sms/users/index.php">User</a>
        </li>
  <li class="nav-item dropdown">
          <a id="dropdownSubMenu1" href="#" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" class="nav-link dropdown-
toggle">Rent/Sell</a>
          <ul aria-labelledby="dropdownSubMenu1" class="dropdown-menu border-0 shadow">
            <li><a href="Rent List.php" class="dropdown-item">Rent List</a></li>
            <li><a href="Sell List.php" class="dropdown-item">Sell List</a></li>
                                                                                                                    </ul>
                                                                                                                </li>
        <li class="nav-item">
          <a class="nav-link" href="#Features">Features</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#testimonials">Testimonials</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#contact">Contact us</a>
        </li>

      </ul>
    </div>
  </nav>
</section>
<!---------slider-------------------->
```

```
  <div id="carouselExampleCaptions" class="carousel slide" data-ride="carousel">
    <ol class="carousel-indicators">
      <li data-target="#carouselExampleCaptions" data-slide-to="0" class="active"></li>
      <li data-target="#carouselExampleCaptions" data-slide-to="1"></li>
      <li data-target="#carouselExampleCaptions" data-slide-to="2"></li>
    </ol>
    <div class="carousel-inner">
      <div class="carousel-item active">
        <img src="img/1.jpg" class="d-block w-100" alt="...">
        <div class="carousel-caption d-none d-md-block">
        </div>
      </div>
      <div class="carousel-item">
        <img src="img/bg3.jpg" class="d-block w-100" alt="...">
        <div class="carousel-caption d-none d-md-block">

        </div>
      </div>
      <div class="carousel-item">
        <img src="img/bg6.jpeg" class="d-block w-100" alt="...">
        <div class="carousel-caption d-none d-md-block">

        </div>
      </div>
    </div>
    <a class="carousel-control-prev" href="#carouselExampleCaptions" role="button" data-slide="prev">
      <span class="carousel-control-prev-icon" aria-hidden="true"></span>
      <span class="sr-only">Previous</span>
    </a>
    <a class="carousel-control-next" href="#carouselExampleCaptions" role="button" data-slide="next">
      <span class="carousel-control-next-icon" aria-hidden="true"></span>
      <span class="sr-only">Next</span>
    </a>
  </div>
  <!-----------Features---------------->
  <section id="Features">
  <div class="a">
    <h1>Features</h1>

    <p>Societies business booming exponentially. But, to run the business successfully, without a proper solution is close to impossible. <br>
                                                                                    Existing systems in the market are either too expensive
or do not meet the requirements.<br>

    Online Housing Society is a Web-based used to provide guidance to the users/visitors to choose plots according to their needs.<br>
                                                                                    It also helps customers to book their desired plots at
reasonable rates. It provides further facilities like Gym Area , Swimming Pool, Jogging Track, Open Area.<br>
                                                                                    It is time to take advantage of the technology for a
better and peaceful living. <br>
      </p>

  </div>
</section>

  <div class="row row-cols-1 row-cols-md-4">
    <div class="col mb-4">
      <div class="card">
        <img src="img/obj1.png.png" class="card-img-top" alt="...">
        <div class="card-body">
          <h5 class="card-title">Meetings</h5>
          <p class="card-text"></p>
        </div>
      </div>
    </div>
    <div class="col mb-4">
      <div class="card">
        <img src="img/obj2.jpg.png" class="card-img-top" alt="...">
        <div class="card-body">
          <h5 class="card-title">Manage Complaints</h5>
          <p class="card-text"></p>
```

```
    </div>
   </div>
  </div>
  <div class="col mb-4">
   <div class="card">
    <img src="img/obj3.png" class="card-img-top" alt="...">
    <div class="card-body">
     <h5 class="card-title">Manage Bills</h5>
     <p class="card-text"></p>
    </div>
   </div>
  </div>
  <div class="col mb-4">
   <div class="card">
    <img src="img/obj4.png" class="card-img-top" alt="...">
    <div class="card-body">
     <h5 class="card-title">Society Info</h5>
     <p class="card-text"></p>
    </div>
   </div>
  </div>
  <div class="col mb-4">
   <div class="card">
    <img src="img/obj5.png" class="card-img-top" alt="...">
    <div class="card-body">
     <h5 class="card-title">Manage Maintenance</h5>
     <p class="card-text"></p>
    </div>
   </div>
  </div>
  <div class="col mb-4">
   <div class="card">
    <img src="img/obj6.png" class="card-img-top" alt="...">
    <div class="card-body">
     <h5 class="card-title">Visitors</h5>
     <p class="card-text"></p>
    </div>
   </div>
  </div>
  <div class="col mb-4">
   <div class="card">
    <img src="img/obj7.png" class="card-img-top" alt="...">
    <div class="card-body">
     <h5 class="card-title">Helpdesk</h5>
     <p class="card-text"></p>
    </div>
   </div>
  </div>
  <div class="col mb-4">
   <div class="card">
    <img src="img/obj8.png" class="card-img-top" alt="...">
    <div class="card-body">
     <h5 class="card-title">Online Payment</h5>
     <p class="card-text"></p>
    </div>
   </div>
  </div>
 </div>
 <!----------Advertisement---------->


 <section id="Facilitis">
 <div class="a">
  <!---
  <h1>Best Facilities</h1>
  <p>Guests can relax by their own private pool, or spend their day at the private sandy beach, <br>
    making the most out of their vacation. A state-of-the-art Gym by Technogym® is available as well at this luxury villa resort,<br>
     are at the guests' disposal, as well as chauffer or secretarial services, or even their own private chef.</p>
 ---------->
 <div class="section">
```

```
<h1>Welcome To Paradise</h1>

<div class="video-container">
    <div class="color-overlay"></div>
    <video autoplay loop muted>
        <source src="Lodha.mp4" type="video/mp4">
    </video>
</div>
</div>
  </div>

  </div>
</section>

<!--------------testimonial----------------------------->
<section id="testimonials">
  <div class="container text-center">
  <h1>Testimonials</h1>
  <p class="text-center"></p>
  <div class="row">
  <div class="col-md-4 text-center">
  <div class="profile">
  <img src="img/team-1.jpg" class="user">
  <blockquote>The society is front faced with the rest of SRA Societies in the area. Great view, sunlight, plentiful fresh air. Best society in Andheri For
Bachelors with easy living and a nice cool environment</blockquote>
  <h3>Akash Gupta <span> Member at Gokuldham Society</span></h3>
  </div>
  </div>
      <div class="col-md-4 text-center">
  <div class="profile">
  <img src="img/team-2.jpg" class="user">
  <blockquote>Best society in Andheri For Bachelors with easy living and a nice cool Safe environment! for families & youngsters.Society is well known for
their festival celebrations and decorations</blockquote>
  <h3>Ankush Kumar <span> Local Guide at Gokuldham Society</span></h3>
  </div>
  </div>
      <div class="col-md-4 text-center">
  <div class="profile">
  <img src="img/team-3.jpg" class="user">
  <blockquote>Society  has a fully equipped Gym, Steam bath facility, full fledged club house with lone tennis court, volleyBall court, badminton court, dual
swimming pool, around 400 meters walking/jogging track.</blockquote>
  <h3> Neha k sharma <span>Member at Gokuldham Society</span></h3>
  </div>
  </div>
  </div>
  </div>
  </section>

  <!---------------------------Adslider------------->


                                                                                  <img src="img/featureslider.png" class="d-block w-
100" alt="...">


  <!-------------------Get in Touch--------------->

<section id="contact">
  <div class="container ">
  <h1>Get in Touch</h1>

  <div class="row">
  <div class="col-md-6">
  <?php if(isset($_POST['submit']))
{?>

                                                                                  <div class="alert alert-primary">
```

```
                                                                                    <button type="button" class="close" data-dismiss="alert">×</button>

                                                                                    <strong>Well done!</strong>   <?php echo htmlentities($_SESSION['msg']);?><?php echo htmlentities($_SESSION['msg']="");?>

                                                                                    </div>
<?php } ?>
 <form class="contact-form" method="post" name="society.php">
 <div class="form-group">
 <input type="text" name="name" required="required" value=""  class="form-control" placeholder="Your Name">
 </div>
 <div class="form-group">
 <input type="text" name="contact" required="required" value=""  class="form-control" placeholder="Phone No.">
 </div>
 <div class="form-group">
 <input type="text" name="email" required="required" value="" class="form-control" placeholder="Email Id">
 </div>
 <div class="form-group">
 <textarea name="message" required="required" value=""  class="form-control" rows="5"placeholder="Message"></textarea>
 </div>
    <button type="submit" name="submit" class="btn btn-primary">SEND MESSAGE</button>
 </form>
 </div>

 <div class="col-md-6 contact-info">
 <div class="follow"><b>Address:</b> <i class="fa fa-map-marker" ></i>13-Ashok Nagar,Andheri East, Mumbai, 400063, Maharashtra, India</div>
 <div class="follow"><b>Phone:</b> <i class="fa fa-phone" ></i>+91 1234567890</div>
 <div class="follow"><b>Email:</b> <i class="fa fa-envelop-o" ></i>gokuldham@gmail.com</div>
 <div class="follow"><label><b>Get Social:</b> </label>
    <a href="#"></a><i class="fa fa-facebook" ></i>
    <a href="#"></a><i class="fa fa-youtube-play" ></i>
    <a href="#"></a><i class="fa fa-twitter" ></i>
    <a href="#"></a><i class="fa fa-google-plus" ></i>
    </div>
 </div>
 </div>
 </div>
 </section>

 <!--------------------Footer--------------------------->
 <section id="footer">
 <div class="container text-center">
 <p> Made with<i class="fa fa-heart-o" ></i>by AVM</p>
 </div>
 </section>
 <!------------------Footer-End--------------------------->


 <script src="js/smooth-scroll.js"></script>
 <script>
 var scroll = new SmoothScroll('a[href*="#"]');
 </script>

</body>
</html>
<?php } ?>
```

Login page for Admin

Index.php

```
<?php
session_start();
error_reporting(0);
include("include/config.php");
if(isset($_POST['submit']))
```

```
{
                                                                                $username=$_POST['username'];
                                                                                $password=md5($_POST['password']);
$ret=mysqli_query($con,"SELECT * FROM admin WHERE username='$username' and password='$password'");
$num=mysqli_fetch_array($ret);
if($num>0)
{
$extra="Admin-dashboard.php";//
$_SESSION['alogin']=$_POST['username'];
$_SESSION['id']=$num['id'];
$host=$_SERVER['HTTP_HOST'];
$uri=rtrim(dirname($_SERVER['PHP_SELF']),'/\\');
header("location:http://$host$uri/$extra");
exit();
}
else
{
$_SESSION['errmsg']="Invalid username or password";
$extra="index.php";
$host  = $_SERVER['HTTP_HOST'];
$uri  = rtrim(dirname($_SERVER['PHP_SELF']),'/\\');
header("location:http://$host$uri/$extra");
exit();
}
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
                                                                                <meta http-equiv="Content-Type"
content="text/html; charset=utf-8" />
                                                                                <meta name="viewport" content="width=device-
width, initial-scale=1.0">
                                                                                <title>SMS | Admin login</title>
                                                                                <link type="text/css"
href="bootstrap/css/bootstrap.min.css" rel="stylesheet">
                                                                                <link type="text/css" href="bootstrap/css/bootstrap-
responsive.min.css" rel="stylesheet">
                                                                                <link type="text/css" href="css/theme.css"
rel="stylesheet">
                                                                                <link type="text/css" href="images/icons/css/font-
awesome.css" rel="stylesheet">
                                                                                <link type="text/css"
href='http://fonts.googleapis.com/css?family=Open+Sans:400italic,600italic,400,600' rel='stylesheet'>

    <!-- Custom styles for this template-->
    <link href="css/sb-admin-2.min.css" rel="stylesheet">
                                                                                <style>
                                                                                .bg-login-image{
                                                                                   background-image: url("img/admin2.jpg");
                                                                                }
                                                                                .brand{
                                                                                  color:black;
                                                                                  font-weight: bold;
                                                                                }

                                                                                </style>
</head>
<body>


          <!-- Topbar -->
          <nav class="navbar navbar-expand navbar-light bg-white topbar mb-4 static-top shadow">

            <!-- Topbar Navbar -->
            <ul class="navbar-nav ml-auto">
```

```
                <ul class="nav pull-left" style="padding-right:1200px;">
                <a class="brand" href="#">
                                                                                                                        SMS | Admin
                                                                                                              </a>
                                                                                                              </ul>
                                                                                                              <ul class="nav pull-
right"style="padding-right:100px;">

                                                                                                                              <li><a
href="../../society.php">
                                                                                                                              Back to
SMS Portal

                                                                                                                              </a></li>

                                                                                                                              </ul>

                 </ul>

              </nav>
              <!-- End of Topbar -->

 <div class="container">

      <!-- Outer Row -->
      <div class="row justify-content-center">

        <div class="col-xl-12 col-lg-12 col-md-9">

          <div class="card o-hidden border-0 shadow-lg my-5">
            <div class="card-body p-0">
              <!-- Nested Row within Card Body -->
              <div class="row">
                <div class="col-lg-6 d-none d-lg-block bg-login-image"></div>
                <div class="col-lg-6">
                  <div class="p-5">
                    <div class="text-center">
                      <h1 class="h4 text-gray-900 mb-4">Welcome Back!</h1>
                    </div>

                                                                                           <span style="color:red;" ><?php echo
htmlentities($_SESSION['errmsg']); ?><?php echo htmlentities($_SESSION['errmsg']="");?></span>
                    <form class="user" method="post">
                      <div class="form-group">
                        <input type="text" id="inputEmail" name="username" placeholder="Username"class="form-control form-control-user">
                      </div>

                                                                                                    <br>

                      <div class="form-group">
                        <input type="password" id="inputPassword" name="password" placeholder="Password" class="form-control form-control-
user">
                      </div>
                      <div class="form-group">
                        <div class="custom-control custom-checkbox small">
                          <input type="checkbox" class="custom-control-input" id="customCheck">
                          <label class="custom-control-label" for="customCheck">Remember
                            Me</label>
                        </div>
                      </div>

                                                                                                    <br>

                                                                                                    <button type="submit"class="btn btn-
primary btn-user btn-block" name="submit">Login</button>

                      <hr>

                    </form>
                   <br>  <br>  <br>  <br>
```

```
                    </div>
                  </div>
                </div>
              </div>
            </div>

          </div>

        </div>

      </div>
```

```
<div class="footer">
  <div class="container">


                <b class="copyright">&copy; 2021 SMS

  </div>
</div>
```

```
</b> All rights reserved.
```

```
<script src="scripts/jquery-1.9.1.min.js"

<script src="scripts/jquery-ui-1.10.1.custom.min.js"

<script src="bootstrap/js/bootstrap.min.js"

 <!--BACKSTRETCH-->
```

```
type="text/javascript"></script>

type="text/javascript"></script>

type="text/javascript"></script>

</body>
```

Logout.php

```
<?php
session_start();
$_SESSION['alogin']=="";
session_unset();
//session_destroy();
$_SESSION['errmsg']="You have successfully logout";
?>
<script language="javascript">
document.location="index.php";
</script>
```

Admin-dashboard.php

```
<?php
session_start();
include('include/config.php');
if(strlen($_SESSION['alogin'])==0)

{
header('location:index.php');
}
else{
date_default_timezone_set('Asia/Kolkata');// change according timezone
$currentTime = date( 'd-m-Y h:i:s A', time () );

if(isset($_GET['uid']) && $_GET['action']=='del')
{
$userid=$_GET['uid'];
$query=mysqli_query($con,"delete from users where id='$userid'");
header('location:manage-users.php');
}


?>
```

```
<!DOCTYPE html>
<html lang="en">

<head>

  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="">
  <meta name="author" content="">

  <title>SMS| Admin</title>

  <!-- Custom fonts for this template-->
 <link href="css/all.min.css" rel="stylesheet" type="text/css">
 <link
    href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i"
    rel="stylesheet">
                                                                                <link rel="stylesheet"
href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css">

  <!-- Custom styles for this template-->
  <link href="css/sb-admin-2.min.css" rel="stylesheet">

</head>

<body id="page-top">
 <!-- Page Wrapper -->
  <div id="wrapper">

 <?php include('include/sidebar.php');?>
 <!-- Content Wrapper -->
     <div id="content-wrapper" class="d-flex flex-column">

       <!-- Main Content -->
       <div id="content">
 <?php include('include/header.php');?>



 <!-- Begin Page Main Content -->
         <div class="container-fluid">



           <!-- Content Row -->
           <div class="row">

             <!-- Earnings (Monthly) Card Example -->
             <div class="col-xl-3 col-md-6 mb-4">
               <div class="card border-left-info shadow h-100 py-2">
                 <div class="card-body">
                   <div class="row no-gutters align-items-center">
                     <div class="col mr-2">
                       <div class="text-xl font-weight-bold text-info text-uppercase mb-1">
                         Notice</div>
                       <div class="h4 mb-0 font-weight-bold text-gray-800">

                                                                                <?php
```

```
$rt = mysqli_query($con,"SELECT * FROM notice ");
$num1 = mysqli_num_rows($rt);
{?><b class="badge badge-default right"><?php echo htmlentities($num1); ?></b>
<?php } ?>

                                                                                                                                        </div>
                    </div>
                    <div class="col-auto">
                      <i class="fas fa-bell fa-3x" ></i>
                    </div>
                  </div>
                </div>
              </div>
            </div>

            <!-- Earnings (Monthly) Card Example -->
            <div class="col-xl-3 col-md-6 mb-4">
              <div class="card border-left-warning shadow h-100 py-2">
                <div class="card-body">
                  <div class="row no-gutters align-items-center">
                    <div class="col mr-2">
                      <div class="text-xl font-weight-bold text-warning text-uppercase mb-1">
                        Total Members</div>
                      <div class="h4 mb-0 font-weight-bold text-gray-800">

                                                                                                                                        <?php

$rt = mysqli_query($con,"SELECT * FROM users ");
$num1 = mysqli_num_rows($rt);
{?><b class="badge badge-default right"><?php echo htmlentities($num1); ?></b>
<?php } ?>

                                                                                                                                        </div>
                    </div>
                    <div class="col-auto">
                      <i class="fas fa-users fa-3x"></i>
                    </div>
                  </div>
                </div>
              </div>
            </div>

            <!-- Earnings (Monthly) Card Example -->
            <div class="col-xl-3 col-md-6 mb-4">
              <div class="card border-left-info shadow h-100 py-2">
                <div class="card-body">
                  <div class="row no-gutters align-items-center">
                    <div class="col mr-2">
                      <div class="text-xl font-weight-bold text-info text-uppercase mb-1">Paid Bills
                      </div>
                      <div class="row no-gutters align-items-center">
                        <div class="col-auto">
                          <div class="h5 mb-0 mr-3 font-weight-bold text-gray-800">

                                                                                                                                                                1

                                                                                                                                                                </div>
                        </div>

                      </div>
                    </div>
```

```
                    <div class="col-auto">
                      <i class="fas fa-money-bill-alt fa-3x"></i>
                    </div>
                  </div>
                </div>
              </div>

              <!-- Pending Requests Card Example -->
              <div class="col-xl-3 col-md-6 mb-4">
                <div class="card border-left-warning shadow h-100 py-2">
                  <div class="card-body">
                    <div class="row no-gutters align-items-center">
                      <div class="col mr-2">
                        <div class="text-xl font-weight-bold text-warning text-uppercase mb-1">
                          Unpaid Bills</div>
                        <div class="h5 mb-0 font-weight-bold text-gray-800">

                                                                                                    1

                                                                                                    </div>
                      </div>
                      <div class="col-auto">
                        <i class="fas fa-money-bill-wave fa-3x"></i>
                      </div>
                    </div>
                  </div>
                </div>
              </div>

              <!-- Content Row -->



                                                                                    <!-- Content Row -->
              <div class="row">

                <!-- Earnings (Monthly) Card Example -->
                <div class="col-xl-3 col-md-6 mb-4">
                  <div class="card border-left-info shadow h-100 py-2">
                    <div class="card-body">
                      <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
                          <div class="text-xl font-weight-bold text-info text-uppercase mb-1">
                            Complaint Status in process</div>
                          <div class="h5 mb-0 font-weight-bold text-gray-800">

                                                                                                    <?php
 $status="in Process";
$rt = mysqli_query($con,"SELECT * FROM tblcomplaints where  status='$status'");
$num1 = mysqli_num_rows($rt);
{?>
<?php echo htmlentities($num1);?>
  <?php }?>

                                                                                                    </div>
                        </div>
                        <div class="col-auto">
                          <i class="fas fa-running fa-3x"></i>
                        </div>
```

```
                    </div>
                  </div>
                </div>
              </div>

              <!-- Earnings (Monthly) Card Example -->
              <div class="col-xl-3 col-md-6 mb-4">
                <div class="card border-left-warning shadow h-100 py-2">
                  <div class="card-body">
                    <div class="row no-gutters align-items-center">
                      <div class="col mr-2">
                        <div class="text-xl font-weight-bold text-warning text-uppercase mb-1">
                          Complaint Not Process Yet</div>
                        <div class="h5 mb-0 font-weight-bold text-gray-800">

                                                                                                    <?php

$rt = mysqli_query($con,"SELECT * FROM tblcomplaints where  status is null");
$num1 = mysqli_num_rows($rt);
{?>
<?php echo htmlentities($num1);?>
<?php }?>

                                                                                                    </div>
                        </div>
                        <div class="col-auto">
                          <i class="fas fa-pause-circle fa-3x"></i>
                        </div>
                      </div>
                    </div>
                  </div>
                </div>

                <!-- Earnings (Monthly) Card Example -->
                <div class="col-xl-3 col-md-6 mb-4">
                  <div class="card border-left-info shadow h-100 py-2">
                    <div class="card-body">
                      <div class="row no-gutters align-items-center">
                        <div class="col mr-2">
                          <div class="text-xl font-weight-bold text-info text-uppercase mb-1">Complaint Closed
                          </div>
                          <div class="row no-gutters align-items-center">
                            <div class="col-auto">
                              <div class="h5 mb-0 mr-3 font-weight-bold text-gray-800">

                                                                                                        <?php
 $status="closed";
$rt = mysqli_query($con,"SELECT * FROM tblcomplaints where  status='$status'");
$num1 = mysqli_num_rows($rt);
{?>
<?php echo htmlentities($num1);?>
<?php }?>

                                                                                                    </div>
                              </div>

                            </div>
                          </div>
                          <div class="col-auto">
                            <i class="fas fa-clipboard-list fa-3x"></i>
                          </div>
```

```
                    </div>
                  </div>
                </div>
              </div>

              <!-- Pending Requests Card Example -->
              <div class="col-xl-3 col-md-6 mb-4">
                <div class="card border-left-warning shadow h-100 py-2">
                  <div class="card-body">
                    <div class="row no-gutters align-items-center">
                      <div class="col mr-2">
                        <div class="text-xl font-weight-bold text-warning text-uppercase mb-1">
                          Current Visitors</div>
                        <div class="h4 mb-0 font-weight-bold text-gray-800">

                                                                                                    <?php

$rt = mysqli_query($con,"SELECT * FROM manage_visitors ");
$num1 = mysqli_num_rows($rt);
{?><b class="badge badge-default right"><?php echo htmlentities($num1); ?></b>
<?php } ?>

                                                                                                    </div>
                      </div>
                      <div class="col-auto">
                        <i class="fas fa-eye fa-3x"></i>
                      </div>
                    </div>
                  </div>
                </div>
              </div>

              <!-- Content Row -->


        </div>
        <!-- End of Main Content -->
                                                                    <?php include('include/footer.php');?>




                                                                     </div>
    <!-- End of Content Wrapper -->

  </div>
  <!-- End of Page Wrapper -->




                                                                          <!-- Bootstrap core JavaScript-->
  <script src="js/jquery.min.js"></script>
  <script src="js/bootstrap.bundle.min.js"></script>

  <!-- Core plugin JavaScript-->
  <script src="js/jquery.easing.min.js"></script>
```

```
    <!-- Custom scripts for all pages-->
    <script src="js/sb-admin-2.min.js"></script>

    <!-- Page level plugins -->
    <script src="js/Chart.min.js"></script>

    <!-- Page level custom scripts -->
    <script src="js/chart-area-demo.js"></script>
    <script src="js/chart-pie-demo.js"></script>

</body>

</html>
<?php } ?>

USER DASHBOARD-
<?php session_start();
error_reporting(0);
include('includes/config.php');
if(strlen($_SESSION['login'])==0)
  {
header('location:index.php');
}
else{ ?>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>SMS | Dashboard</title>

  <!-- Google Font: Source Sans Pro -->
  <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
  <!-- Font Awesome -->
  <link rel="stylesheet" href="plugins/fontawesome-free/css/all.min.css">
  <link rel="stylesheet" href="plugins/daterangepicker/daterangepicker.css">
 <!-- Ionicons -->
  <link rel="stylesheet" href="https://code.ionicframework.com/ionicons/2.0.1/css/ionicons.min.css">
  <!-- Theme style -->
  <link rel="stylesheet" href="dist/css/adminlte.min.css">
  <!-- overlayScrollbars -->
  <link rel="stylesheet" href="plugins/overlayScrollbars/css/OverlayScrollbars.min.css">



</head>
<body class="hold-transition sidebar-mini layout-fixed">
<?php include("includes/sidebar.php");?>



  <!-- Content Wrapper. Contains page content -->
  <div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <div class="content-header">
      <div class="container-fluid">
        <div class="row mb-2">
          <div class="col-sm-6">
            <h1 class="m-0">Dashboard</h1>
```

```
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">

          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <!-- /.content-header -->

  <!-- Main content -->
  <section class="content">
    <div class="container-fluid">
      <!-- Small boxes (Stat box) -->
      <div class="row">
        <div class="col-lg-3 col-6">
          <!-- small box -->
          <div class="small-box bg-info">
            <div class="inner">
              <h3>
                                                                                                                        <?php

$rt = mysqli_query($con,"SELECT * FROM notice where user='".$_SESSION['login']."'");
$num1 = mysqli_num_rows($rt);
{?><b class="badge badge-info right"><?php echo htmlentities($num1); ?></b>
<?php } ?>
                                                                                                                        </h3>

              <p>Event/Notice</p>
            </div>
            <div class="icon">
              <i class="fas fa-bell"></i>
            </div>

          </div>
        </div>
        <!-- ./col -->

 <div class="col-lg-3 col-6">
          <!-- small box -->
          <div class="small-box bg-warning">
            <div class="inner">
              <h3>
                                                                                                                        <?php

$rt = mysqli_query($con,"SELECT * FROM users ");
$num1 = mysqli_num_rows($rt);
{?><b class="badge badge-default right"><?php echo htmlentities($num1); ?></b>
<?php } ?>
                                                                                                                        </h3>

              <p>Total Members</p>
            </div>
            <div class="icon">
              <i class="fas fa-users"></i>
            </div>

          </div>
        </div>
<!-- ./col -->
```

```
        <div class="col-lg-3 col-6">
          <!-- small box -->
          <div class="small-box bg-success">
            <div class="inner">
              <h3>
                                                                                                    1
                                                                                                    </h3>

              <p>Paid Bills</p>
            </div>
            <div class="icon">
              <i class="fas fa-money-bill-alt"></i>
            </div>

          </div>
        </div>
        <!-- ./col -->

        <div class="col-lg-3 col-6">
          <!-- small box -->
          <div class="small-box bg-info">
            <div class="inner">
              <h3>1</h3>

              <p>Unpaid Bills</p>
            </div>
            <div class="icon">
             <i class="fas fa-money-bill-wave"></i>
            </div>

          </div>
        </div>
        <!-- ./col -->
                                                                                     <?php
  $status="in Process";
$rt = mysqli_query($con,"SELECT * FROM tblcomplaints where userId='".$_SESSION['id']."' and  status='$status'");
$num1 = mysqli_num_rows($rt);
{?>
        <div class="col-lg-3 col-6">
          <!-- small box -->
          <div class="small-box bg-success">
            <div class="inner">
              <h3><?php echo htmlentities($num1);?></h3>

              <p><?php echo htmlentities($num1);?> Complaints Status in process</p>
            </div>
            <div class="icon">
            <i class="fas fa-running"></i>
            </div>

          </div>
        </div>
                                                                                      <?php }?>
                                                                                     <!-- ./col -->
                                                                                      <?php

$rt = mysqli_query($con,"SELECT * FROM tblcomplaints where userId='".$_SESSION['id']."' and status is null");
$num1 = mysqli_num_rows($rt);
{?>
     <div class="col-lg-3 col-6">
          <!-- small box -->
```

```
          <div class="small-box bg-danger">
            <div class="inner">
              <h3><?php echo htmlentities($num1);?></h3>

              <p><?php echo htmlentities($num1);?> Complaints not Process yet</p>
            </div>
            <div class="icon">
             <i class="fas fa-pause-circle"></i>
            </div>

          </div>
        </div>
                                                                                                    <?php }?>

                                                                                                     <?php
 $status="closed";
$rt = mysqli_query($con,"SELECT * FROM tblcomplaints where userId='".$_SESSION['id']."' and  status='$status'");
$num1 = mysqli_num_rows($rt);
{?>
        <div class="col-lg-3 col-6">
          <!-- small box -->
          <div class="small-box bg-info">
            <div class="inner">
              <h3><?php echo htmlentities($num1);?></h3>

              <p><?php echo htmlentities($num1);?> Complaint has been closed</p>
            </div>
            <div class="icon">
             <i class="fas fa-clipboard-list"></i>
            </div>

          </div>
        </div>
                                                                                                    <?php }?>
        <!-- ./col -->
        <div class="col-lg-3 col-6">
          <!-- small box -->
          <div class="small-box bg-danger">
            <div class="inner">
              <h3>
                                                                                                                <?php

$rt = mysqli_query($con,"SELECT * FROM manage_visitors ");
$num1 = mysqli_num_rows($rt);
{?><b class="badge badge-default right"><?php echo htmlentities($num1); ?></b>
<?php } ?>
                                                                                                                </h3>

              <p>Current Visitors</p>
            </div>
            <div class="icon">
            <i class="fas fa-eye"></i>
            </div>
          </div>
        </div>
        <!-- ./col -->
      </div>
      <!-- /.row -->

          <!-- /.card-body -->
        </div>
```

```
          <!-- /.card -->
        </section>
        <!-- right col -->
      </div>
      <!-- /.row (main row) -->
    </div>
                                                                                    <!-- /.container-fluid -->

  </section>
  <!-- /.content -->
 </div>
 <!-- /.content-wrapper -->
 <footer class="main-footer">
  <strong>Copyright &copy; 2020-2021 <a href="#">Society Management</a>.</strong>
  All rights reserved.
  <div class="float-right d-none d-sm-inline-block">

  </div>
 </footer>

 <!-- Control Sidebar -->
 <aside class="control-sidebar control-sidebar-dark">
  <!-- Control sidebar content goes here -->
 </aside>
 <!-- /.control-sidebar -->
</div>
<!-- ./wrapper -->

<!-- jQuery -->
<script src="plugins/jquery/jquery.min.js"></script>
<!-- Bootstrap 4 -->
<script src="plugins/bootstrap/js/bootstrap.bundle.min.js"></script>
<!-- overlayScrollbars -->
<script src="plugins/overlayScrollbars/js/jquery.overlayScrollbars.min.js"></script>
<!-- Admin -->
<script src="dist/js/adminlte.js"></script>
<!-- AdminLTE for demo purposes -->
<script src="dist/js/demo.js"></script>
<!-- AdminLTE dashboard demo (This is only for demo purposes) -->
<script src="dist/js/pages/dashboard.js"></script>
</body>
</html>
<?php } ?>
```

5.2.1 Code Efficiency

The user can make the one home page to determine how the project should look like. The user can make one login page another page verifies the user login and check the authentication properly. Website check the username and password if

username password is correct than open new page and if username and password is wrong than the website doesn't give the permission to use the website.

5.3 Testing Approach

Software testing is a critical element of the software development cycle. The testing is essential for ensuring the Quality of the software developed and represents the ultimate view of specification, design and code generation. Software testing is defined as the process by which one detects the defects in the software. Testing is a set of activities that work towards the integration of entire computer based system. A good test case is one that has a high probability of finding an as-yet undiscovered error. A successful test is one such uncovers or finds such errors. If testing is conducted successfully, it will uncover errors in the software. It also demonstrates that software functions are being performed according to specifications and also behavioural and performance requirements are satisfied. For this, test plans have to be prepared. The implementation of a computer system requires that test data has to be prepared and that all the elements in the system are tested in a planned and efficient manner. Nothing is complete without testing, as it is vital success of the system.

5.3.1 Unit Testing:

Unit testing is done to check each and every module step by step according to the required necessity. This is the best method to check quality of the product build. This confirms and validates the use and working of the product designed and developed. Testers have to carry out the testing process according to the documentations done and do
they fulfil or not. They also note down the flaws and points which are to be repaired. This is the process done on each and every module and then report is given to the developer. The developer does the job of correcting the cons and flaws to fulfil the requirements of the client.
Testers can do the job of modifications if they are allowed to according to condition at that time. This will reduce the time and effort of the developer and this will reduce the project duration and cost. This is done exactly after the coding is done for instant change and modification. Unit test is performed to test and validate the individual units of source code. It is the code wrapper around the application code that permits test tools to execute them for fail-pass conditions. Unit testing is important as it gives the code authors and reviewers' confidence that patches produce the correct results. The test cases are a good impetus for developers to discover edge cases.

5.3.2 Integration System:

After the coding and testing phase all the modules are integrated with each other. This makes the whole system interactive and functional. This will integrate the modules and will work in a combined way. This combined

system and whole infrastructure of the website will be interlinked and connected to function for any particular function. The different modules and the pages are interconnected to function as a single system. This will complete the full structure of the working model of dynamically working website. Integration testing is a software testing methodology used to test individual software components or units of code to verify interaction between various software components and detect interface defects. Components are tested as a single group or organized in an iterative manner. After the integration testing has been performed on the components, they are readily available for system testing. Integration is a key software development life cycle (SDLC) strategy. Generally, small software systems are integrated and tested in a single phase, whereas larger systems involve several integration phases to build a complete system, such as integrating modules into low-level subsystems for integration with larger subsystems. Integration testing encompasses all aspects of a software system's performance, functionality and reliability.

5.4 Test Cases

ID	Scenario	Test Cases	Expected Results	Actual Results	(Pass/Fail)
1	Registration	Enter null in Mandatory fields	It should not accept the null value and show error.	It will show message that enter the data.	Pass
		Enter incorrect data	It should not accept the incorrect value and show error.	It will show message that enter the correct data.	Pass
		Enter correct data of all required field	It should let do Registration	It will show the message of successfully registration	Pass
2	Login	Enter null username or Password.	It should not accept the null value and show error.	It will show message that enter username and password	Pass
		Enter wrong data of Username or password.	It should not accept incorrect value and show error	It will show message that enter correct username or password.	Pass
		Enter correct data of username or password	It should let do login	It will show the message of successfully login	Pass

		Enter correct data of all required field	It should add category	It will show the message that add category success	Pass
3	Payment	Enter null in mandatory fields	It should not accept the null value and show error	It will show the messages that enter the required details.	Pass
		Enter correct data of all required field	It should give the permission to go to download and do download.	It will show the message that give order successfully	Pass
4	Validations	Required Field	Mandatory Fields should not be blank	You have to enter some value into mandatory field	Pass
		Range	The field value must have the predefined range	Only 10 number are entered in the field	Pass
		Fixed format	A predefines format should be follow	Check the proper format of E-Mail Id	Pass
5	Unit Test	In unit test each form is tested separately. In this system each form is separately run under different condition and checked all validation.			
6	System Test	In system test the whole system is tested. The whole system works properly. The page navigation is proper and links are given properly.			

Chapter 6

Results and Discussion

6.1 Test Reports:

Sign-Up Testing:

The testing of the Sign-Up function is done by the tester on the basis of the requirements by the customer. The requirement is to carry out Registration first and generate their Username and Password for further Logging-In. It's for the verification and validation purpose of the registered user. If the user is valid the user can do the further process of sell, purchase and upload the properties. The users are allowed to upload their properties only if is admin acknowledges the property.
This testing process is very important to resist our website from extruders and hackers. This also works as a Security Measure for this Site. Administrator would control all the functions of the website going on.

Test Case of Sign-Up Function:

- Evaluation related to testing of this function included:

- Input Range Testing: To check the range of the inputs entered by the user and evaluate the appropriate range system as define according to the customer requirement.
- Input Storage Testing: To check that the data entered by the user is been stored successfully into the database or not. It ensures the security of the data been stored and is kept confidential.
- User Interface Functionality Testing: Checking the functionality of the User Interface is according to the customer requirement is fulfilling the need or not.
- Validation Controls Testing: Testing the validation controls applied to the web forms

Forgot Password:

This is the function used for the reissuing of password only if the authorized user had forgot the password. This consists of recollecting the security question with its appropriate registered answer to set new password. The new password is only possible to set if user recollects his security question and answer. The changes would be made in the database as soon as new password is generated after entering answer according to the Security Question. The forgot password is a service provided and designed in Java and ensures the security measures. Security measures are followed by the Java and the Coding of Java to restrict the intruders and hackers from accessing the Database for retrieving the sensitive data.

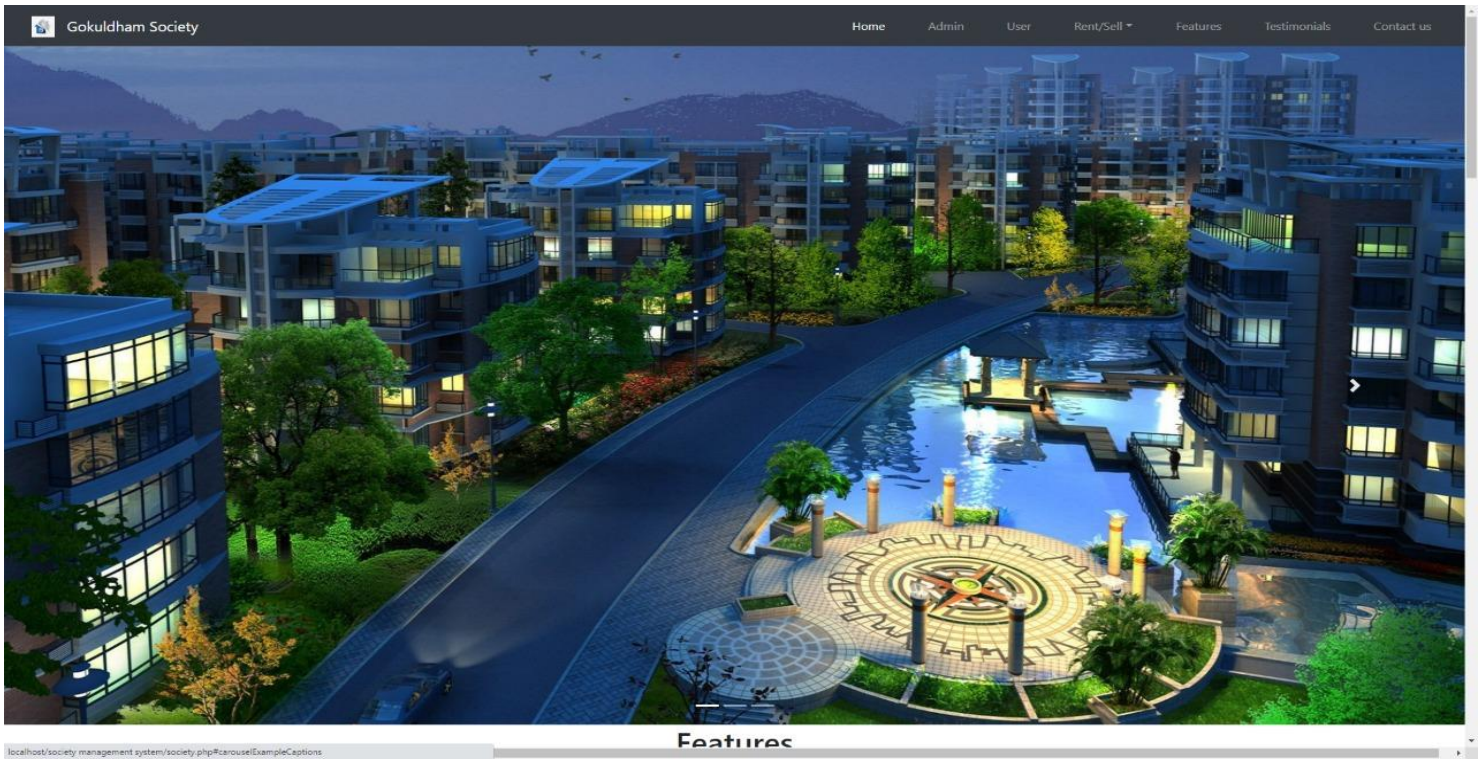
Test Cases for Forgot Password Function:

- Evaluation for this function consists for following tests:

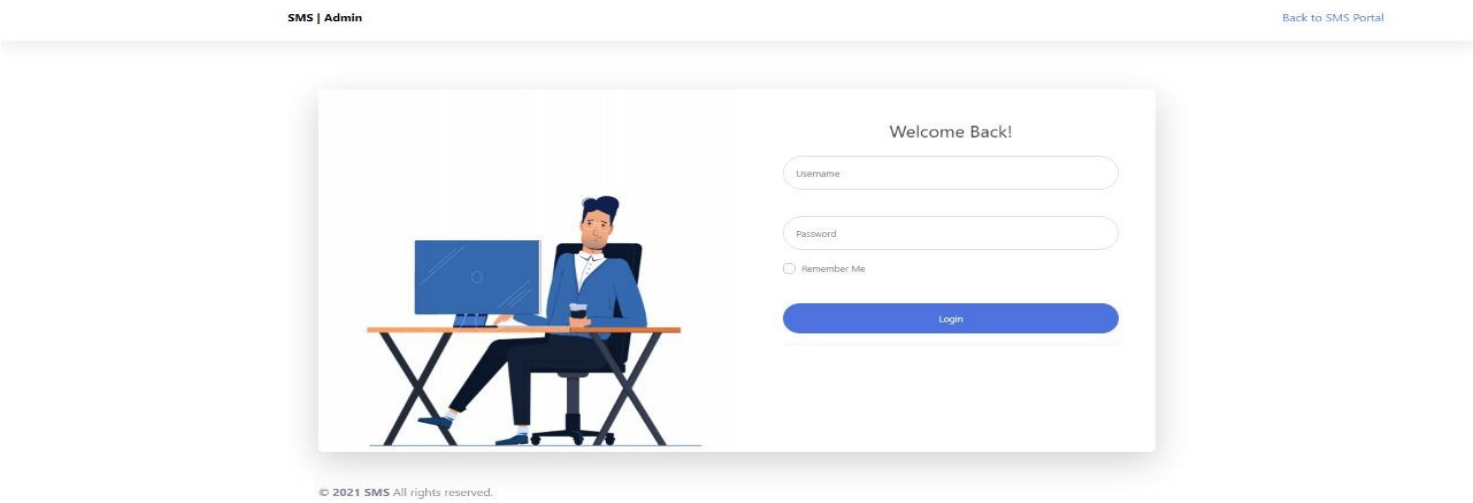
- ❖ Authorizing using Security Question: This function is developed to check whether the user who is changing the password is authorized/valid or not. This is done using an answer to a security question.
- ❖ Setting New Password: After checking the user now he/she can set a new password by following few steps according to the procedure defined.
- ❖ Updating in Database: To update the data in the database by new password set by the user. This should be the user's current password and old password should be deleted from there. While testing the priority should be given to modification and updating of data into the database.

6.2 Home Page Documentation:

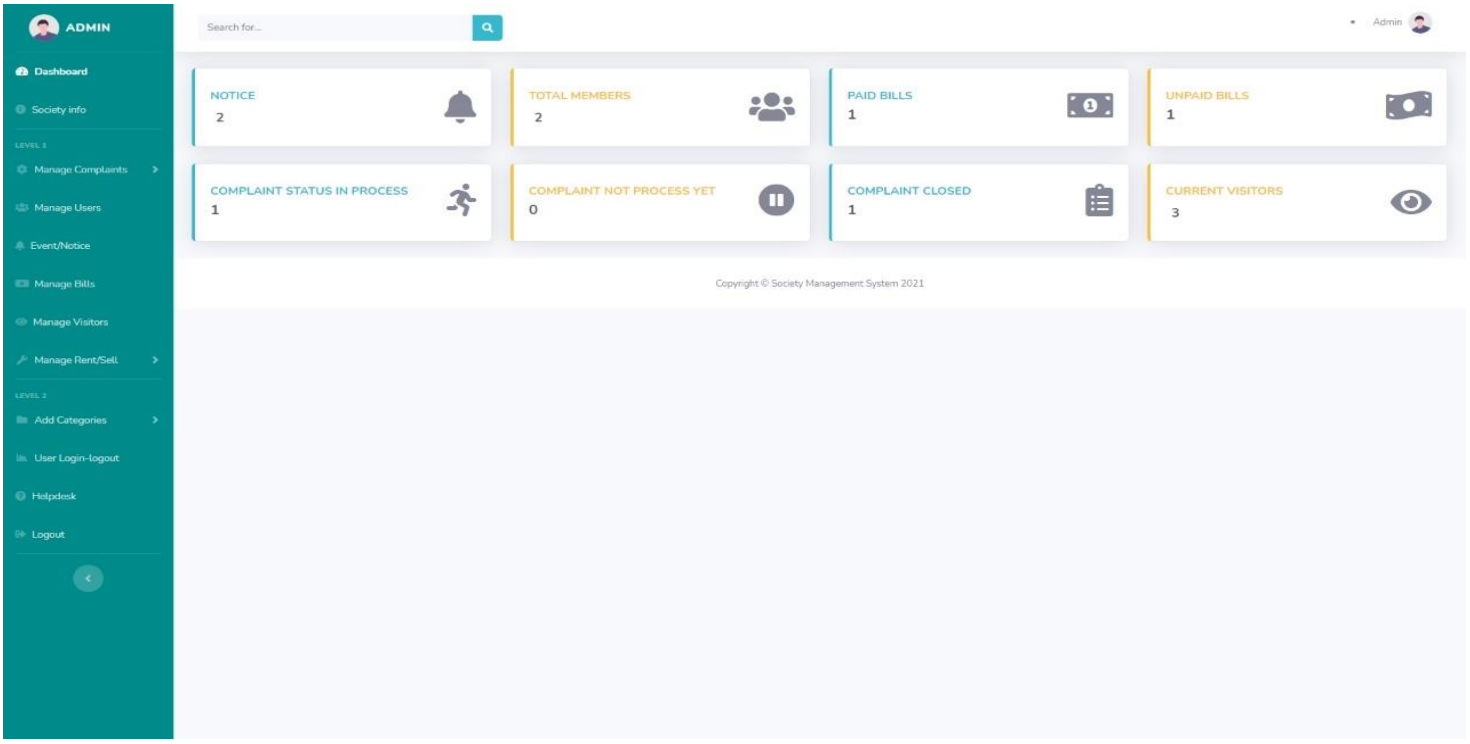
Home Page For Admin/User -



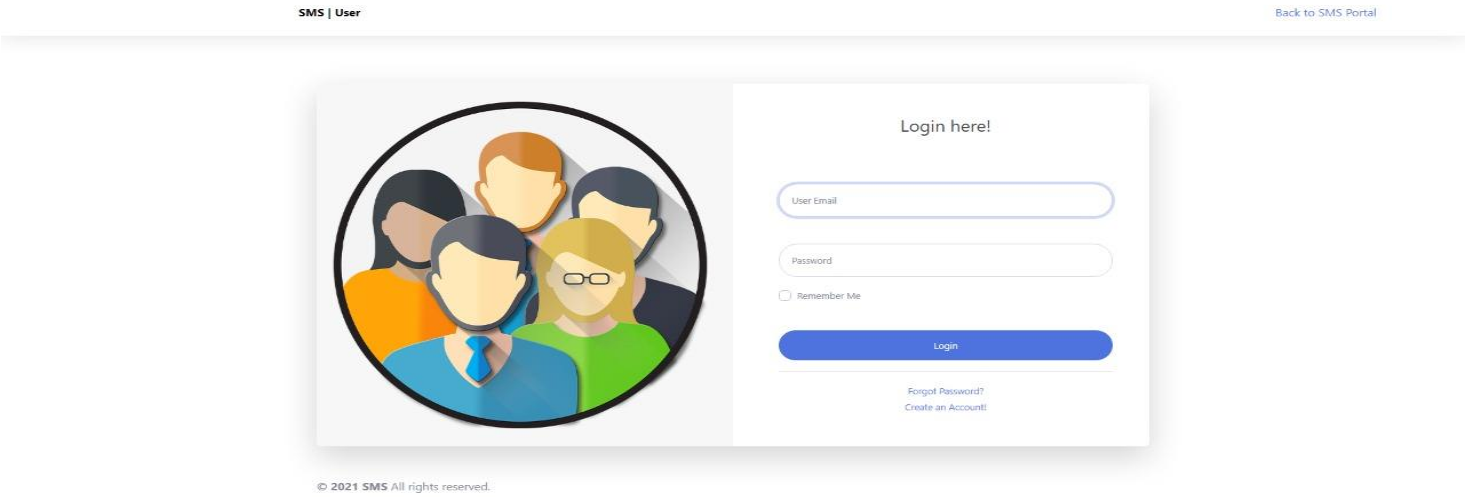
Admin Login Page –



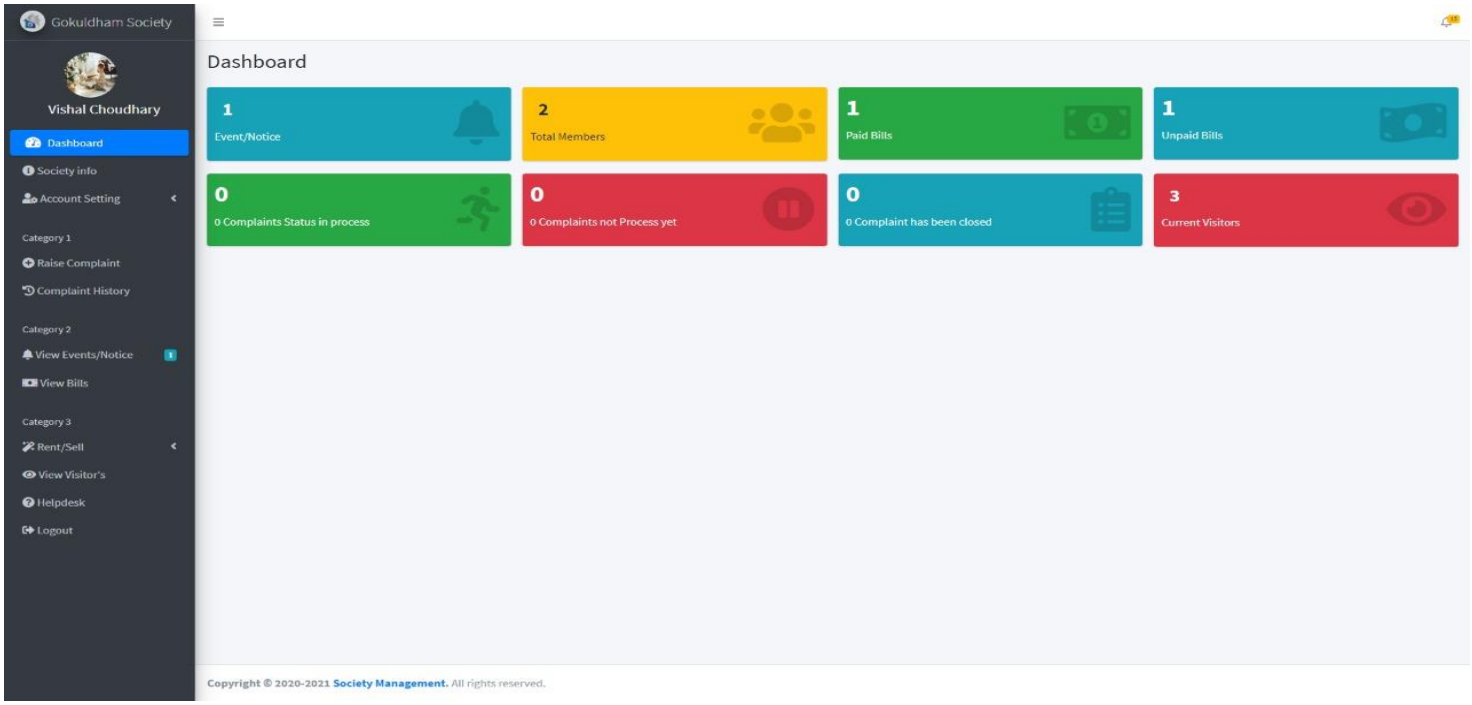
Admin Dashboard Page-



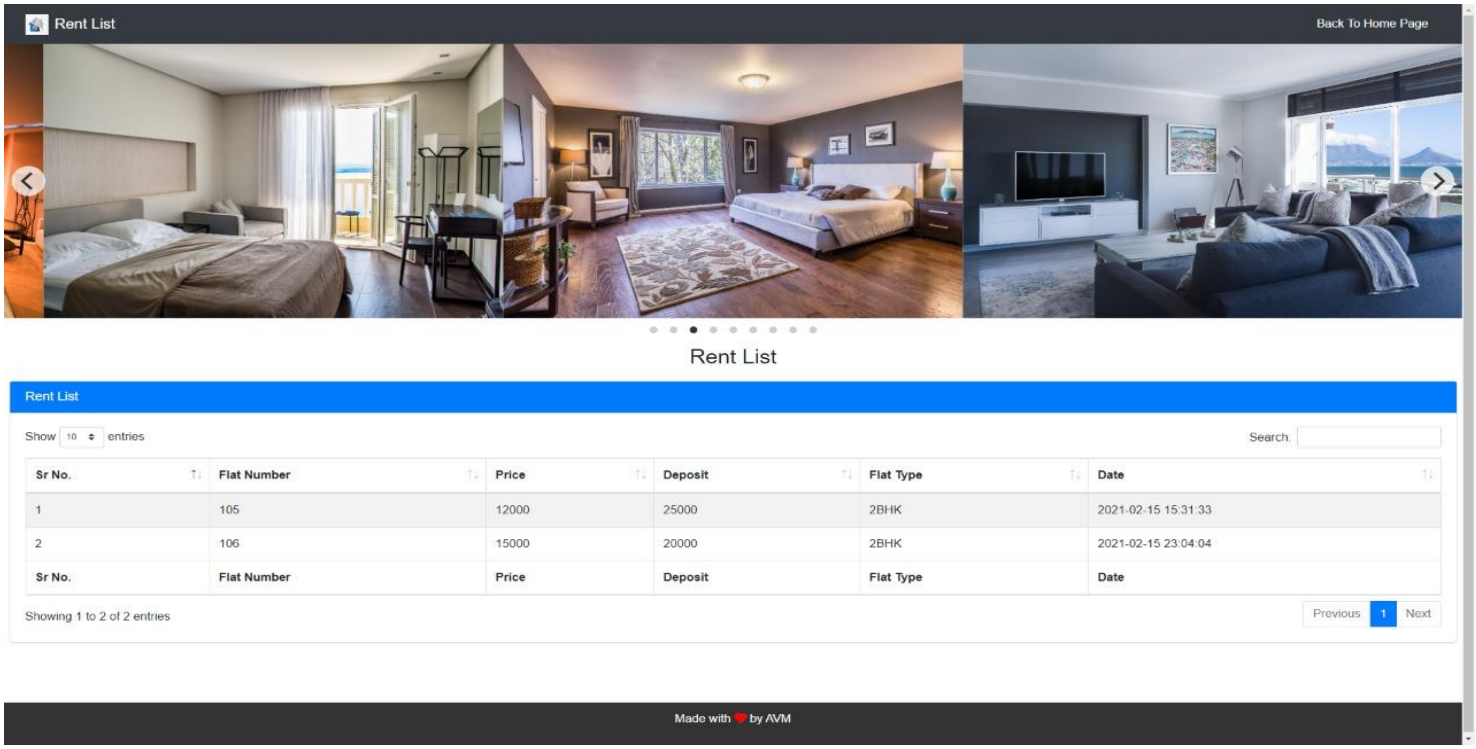
User Login Page –



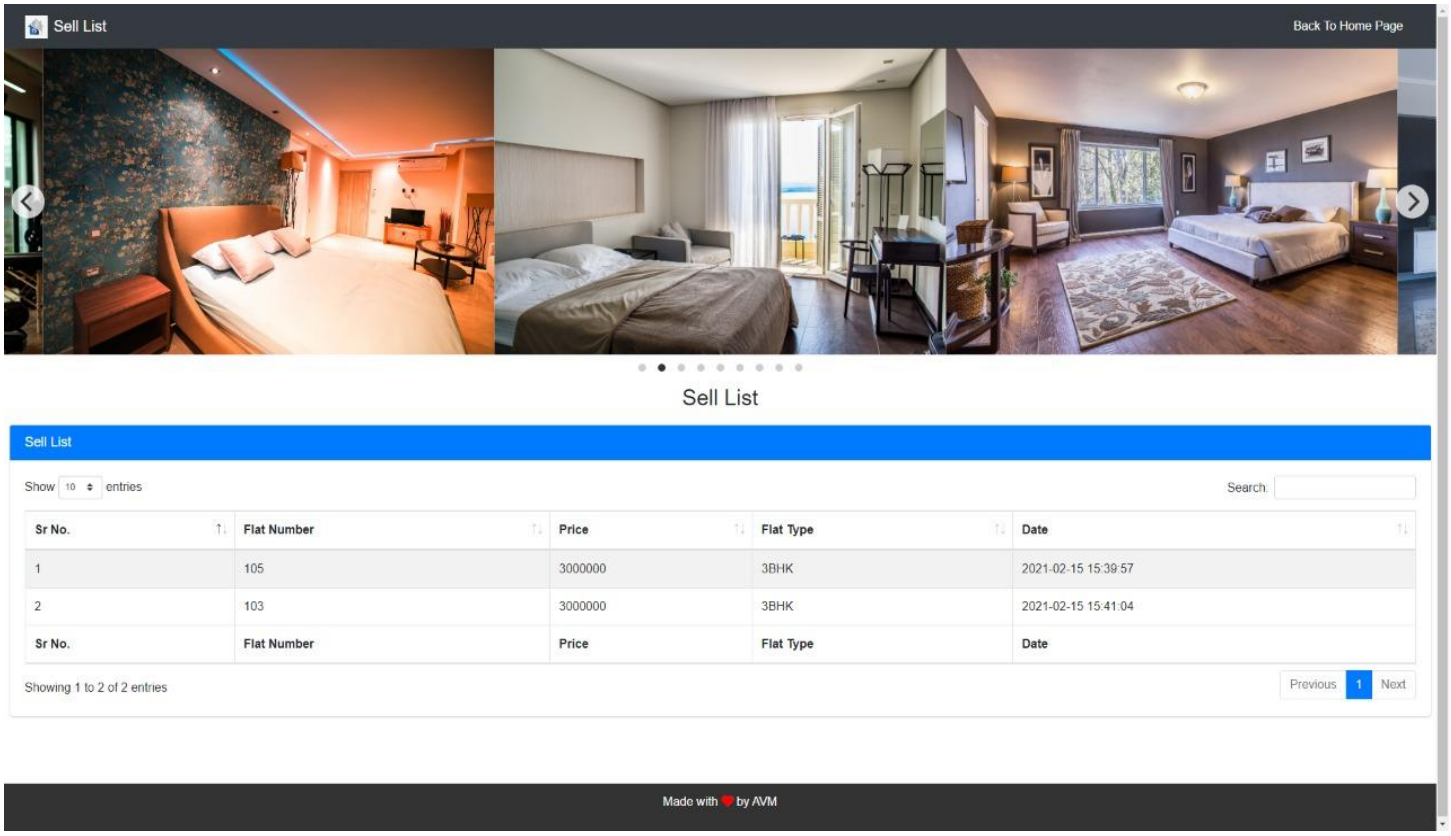
User Dashboard Page –



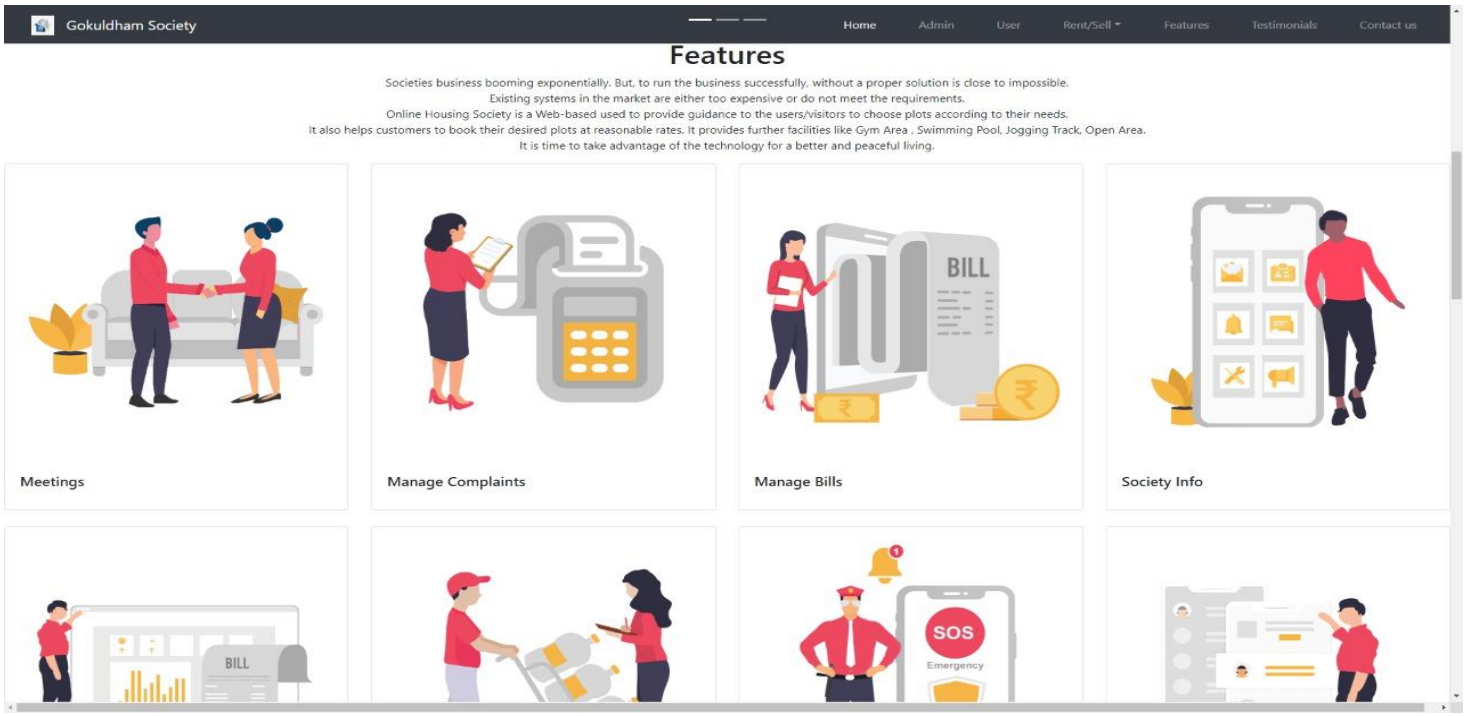
Rent List Page –



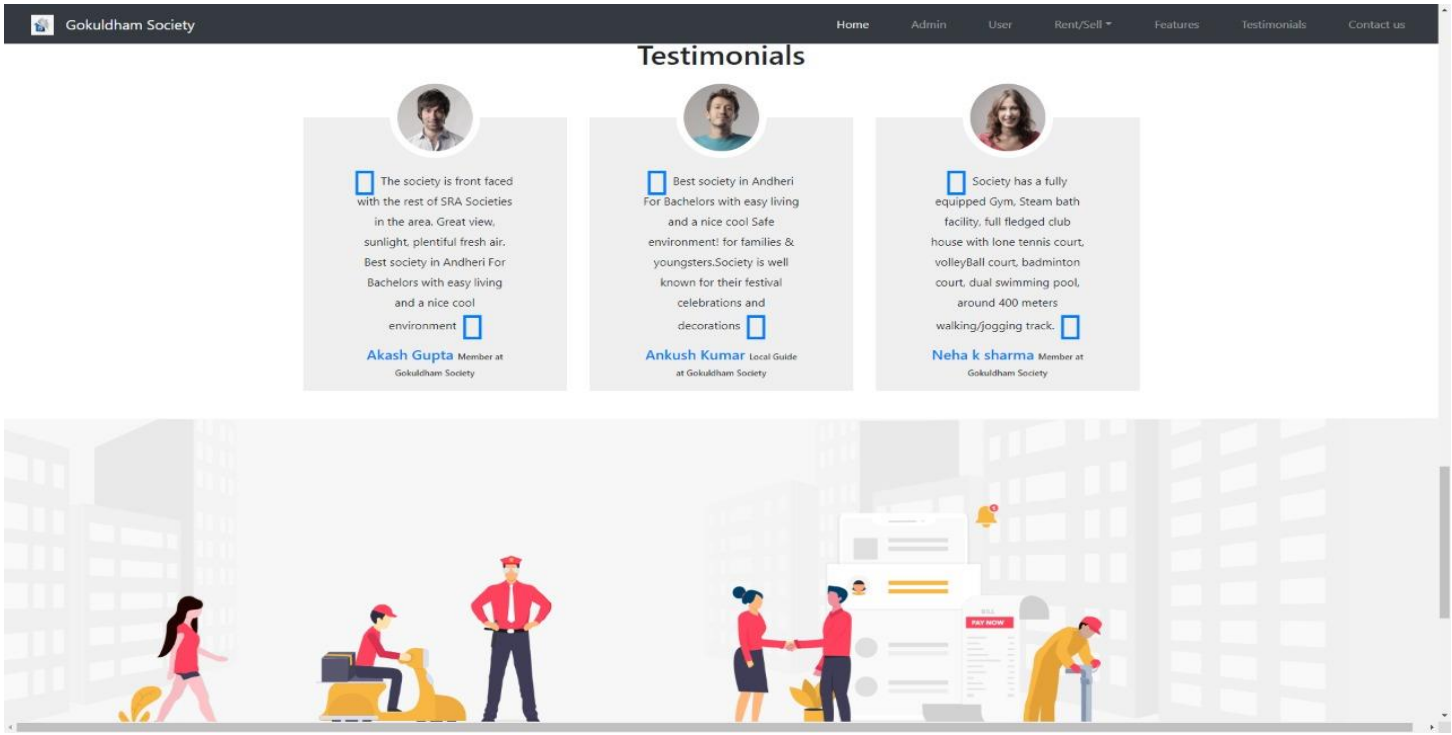
Sell List Page –



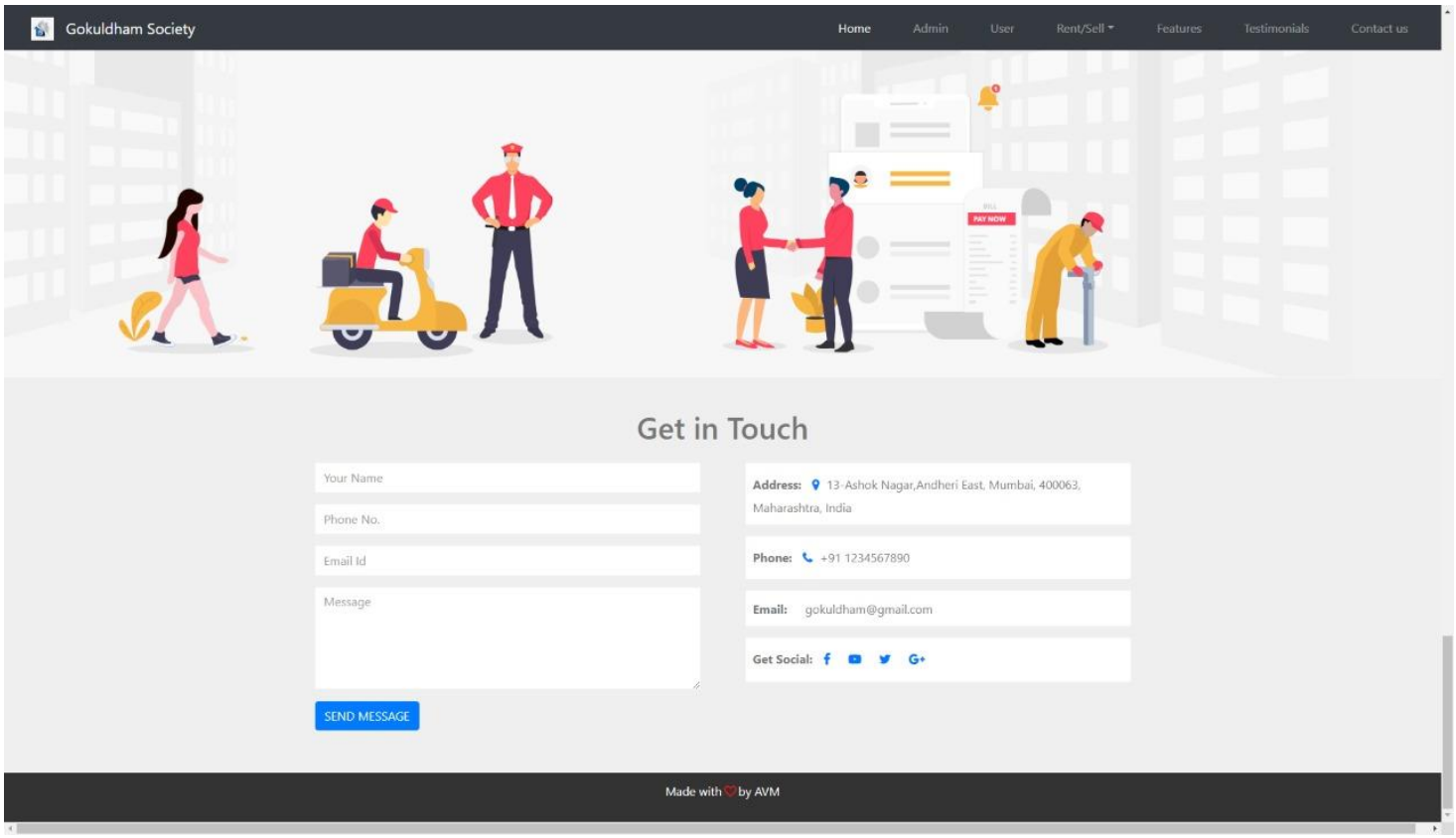
Features Page –



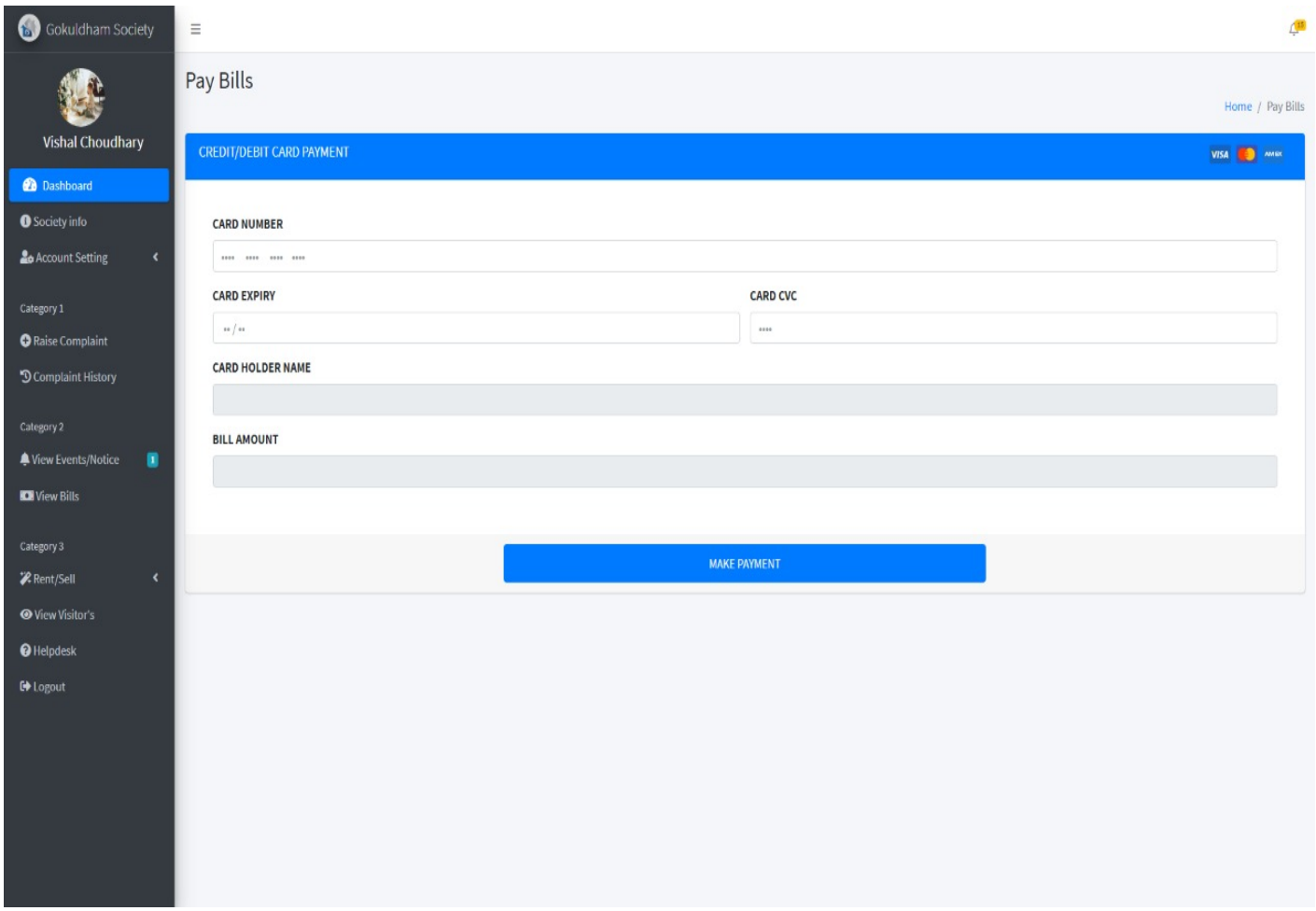
Testimonials –



Contact Us –


Gokuldham Society
Home
Admin
User
Rent/Sell
Features
Testimonials
Contact us
PAY NOW
Get in Touch
Your Name
Phone No.
Email Id
Message
SEND MESSAGE
Address: 13-Ashok Nagar,Andheri East, Mumbai, 400063, Maharashtra, India
Phone: +91 1234567890
Email: gokuldham@gmail.com
Get Social:
Made with by AVM

Payment module of User –



Chapter 7

Conclusion and Future Work

7.1 Conclusions

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in PHP and SQL Server web based application and no some extent Windows Application and SQL Server, but also about all handling procedure related with “Society System Management”. It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

BENEFITS:

The project is identified by the merits of the system offered to the user. The merits of this project are as follows:-

- ✓ It’s a web-enabled project.
- ✓ This project offers user to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity.
- ✓ The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stages of any new creation, data entry or updating so that the user cannot enter the invalid data, which can create problems at later date.
- ✓ Sometimes the user finds in the later stages of using project that he needs to update some of the information that he entered earlier. There are options for him by which he can update the records. Moreover, there is restriction for his that he cannot change the primary data field. This keeps the validity of the data to longer extent.
- ✓ User is provided the option of monitoring the records he entered earlier. He can see the desired records with the variety of options provided by him.
- ✓ From every part of the project the user is provided with the links through framing so that he can go from one option of the project to other as per the requirement. This is bound to be simple and very friendly as per the user is concerned. That is, we can say that the project is user friendly which is one of the primary concerns of any good project.

- ✓ Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.

- ✓ Decision making process would be greatly enhanced because of faster processing of information since data collection from information available on computer takes much less time than manual system.

- ✓ Allocating of sample results becomes much faster because at a time the user can see the records of last years.

- ✓ Easier and faster data transfer through latest technology associated with the computer and communication.

- ✓ Through these features it will increase the efficiency, accuracy and transparency.

7.2 LIMITATIONS:

- The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.
- Training for simple computer operations is necessary for the users working on the system.

7.3 Future Scope of the Project

There is always a chance of improvement, the following aspects where the system requires some time to be analysed -

- ➢ Improve the quality of design.
- ➢ Improve quality of database management system.
- ➢ Enhance the code structure.
- ➢ Enhance the Application Functionality.
- ➢ The system is flexible can be deployed in any other society with little more modification
- ➢ This System being web-based and an undertaking of Cyber Security Division, needs to be thoroughly tested to find out any security gaps.

References:

Google

Wikipedia