Veer Narmad South Gujarat University, Surat.

Department of Information and Communication Technology

B.Sc. (Information Technology)

Project Report

6th Semester

M.Sc. (Information Technology)5 Years Integrated Course

Year 2021 - 2022

SOCIETY MANAGEMENT SYTSEM

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SPID:2019008987

Department of ICT

J.P.Dawar Institute Of Technology

Veer Narmad South Gujarat University, Udhna Magdalla Road, Surat.



Re-Accredited by NAAC with 'A' Grade

VEER NARMAD SOUTH GUIARAT UNIVERSITY

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Department of Information and **Communication Technology**

M.Sc. (Information Technology) Programme B.Sc. (IT) 6th Semester

Certificate

This is to certify that Mr. Thumma Chandra Prakash Devender with SPID: 2019008987 has worked on his/her project work entitled as Society Management System at Department of ICT as a partial fulfilment of requirement of B. Sc. (Information Technology) - 6th Semester, during the academic year 2021-2022.

Date: 18/6/2022

Place: Department of ICT, VNSGU, Surat

Internal Project Guide

B.Sc. (IT) 6th Semester

Department of ICT

Department of ICT

VNSGU, Surat

VNSGU, Surat

PROJECT OF M. Sc. (I.T.) PROGRAMME VEER NARMAD SOUTH GUJARAT UNIVERSITY Academic Year :-Approved By :-EXAMINERS

Index

Sr. No	Topics	Page no
1	Introduction 1.1 Current System	5
	1.1 Current System	
2	Proposed System	6
	2.1 Scope	
	2.2 Objective	
	2.3 Constraints	
	2.3.1 H/w	
	Constraints 2.3.2 S/W	
	Constraints	
	2.4 Advantages	
	2.5 Limitation	
3	Environment Specification	8
	3.1 Hardware & Software Requirements	
	3.2 Development Description	

		-
4	System Planning 4.1 Feasibility Study 4.2 Risk Analysis	9
5	System Analysis	10
	5.1 Detailed SRS	
	5.2 UML Diagram	
	5.2.1 Use Case Diagram	
	5.2.2 Sequence Diagram	
	5.2.3 DFD Diagram	
	5.3 E-R Diagram	
6	Software Design	29
	6.1 Database Design	
	6.2 Interface Design	
7	Testing	49
	7.1 Unit Testing	
8	Future Enhancement	49
9	Reference	49

INTRODUCTION

1.1 Current System

Project Title	Ambika row House	
Project Definition	Ambika Row House—Online society management system web application is used by the customers who wants to buy and sell/rent their row house. There are different sellers in which seller add their property and make the property online and make it visible to the site. Admin manages the seller property. There is no specific customer to these application. It's a platform to make business easier and available to all types of customers.	
Project Type	Website	
Website Category	Online Society Management System	
Front End Technology	HTML, CSS, BootStrap5, JavaScript	
Back End Technology	PHP, MySQL	
Project Duration	3 Months	

2. PROPOSED SYSTEM

2.1 Scope

Ambika row house—Online Society Management website have three main panel like Admin, Member. We provide each of them some additional functionality. Our future scope is providing some more advance features for our website users so they can easily use it. Admin can manage all the details of website and also block member. member can search any property.

member can upload their property and their details.

2.2 Objective

- I. Provides the system administrator with easy interface for different administrative tasks such as adding, deleting and updating of different entities.
- II. The system administrator will be able to manage Property and their Feature and also block Member.
- III. The system should properly maintain user privilege i.e., it should only allow registered member to access certain features, which it should not allow for unregistered users.
- IV. Only registered member will be able to upload their property details.
- V. Unregistered member can search property and also to filter property by prices, sort by A-Z and also search by categories.
- VI. Only administrator will have all privileges.

2.3 Constraints

2.3.1 H/w Constraints

Processor : Intel(R) Core(TM) i5-7200U CPU @

2.50GHz Memory: 8 GB

Hard Disk : 1TB+500GB SSD

Input Device : Keyboard, Mouse

Output Device : Monitor

2.3.2 S/w Constraints

Operating System: Windows 10

Software : Php, MySQL

Browser : All Browsers

2.4 Advantages

- ✓ Easily find any property details at home.
- ✓ More reach to members.
- \checkmark Low operational costs and better quality of services.
- ✓ No need of physical company set-ups.
- ✓ Easy to start and manage a business.
- ✓ member can easily select property from different providers without moving around physically.

2.5 Limitations

✓ Customer can only find properties which resides in India.

3. ENVIRONMENT SPECIFICATION

3.1 Hardware & Software Requirements

Frontend: HTML, CSS, BootStrap5, JavaScript

Backend: PHP,MySQL

3.2 Development Description

✓ The goal of developing this society management application is to manage society property easier through India. Using these application admin can manage member, property. member needs to add the property which he/she wants to sells/rent. Visitor Customer can search the property and get contact details of their desire property.

4. SYSTEM PLANING

4.1 Feasibility Study

- ❖ Feasibility study plays very important role in the development of any system, but when it is the case of development of any software then its importance increases much more because in the case one should be very clear about availability of the time and resources.
- ❖ The feasibility of our project has been judged on the basis of time, technology, resources available and project length.

4 Technology:

- This project is developed with PHP, MySQL as database.
- online Tutorials and other resources on internet might help to much

extend.

4 Time:

• We have three months for developing entire system. It is less sufficient time for developing such relatively more complex application.

Resource:

- Resources are the basic thing for any software development.
- We required good knowledge of software engineering and web-development.
- We used proper development tools and application server to develop the project.

4.2 Risk Analysis

Risk analysis for Ambika row house can be defined as an organized effort to identify, assess, and reduce risks appropriate to member and administrator. Risk analysis in its best form may be to use it in a pro- active manner in identifying and managing the risks. Pro-active risks include server crash down because of crashing of server all data related to employee will be lost if not saved properly. So, to overcome this proactive risk, all data must be stored and saved properly. However, in case an incident has happened; after the event handling, it should still be tackled in line with the risk analysis principles. For reactive risks there is risk of security is there as anyone who came to know about the administrator login id and password, can make changes in the property, member details, amenities, In case any such situation occurs the initial data storage must be maintained somewhere to undo to those changes.

4.3 Project Schedule

4.3.1 Task Dependency

- ✓ Dependency between upload property and admin member upload the product but until admin doesn't approve the property that property will not be displayed on member site.
- ✓ Dependency between Admin and member Admin can active/block Member based on their behavior.

5. SYSTEM ANALYSIS

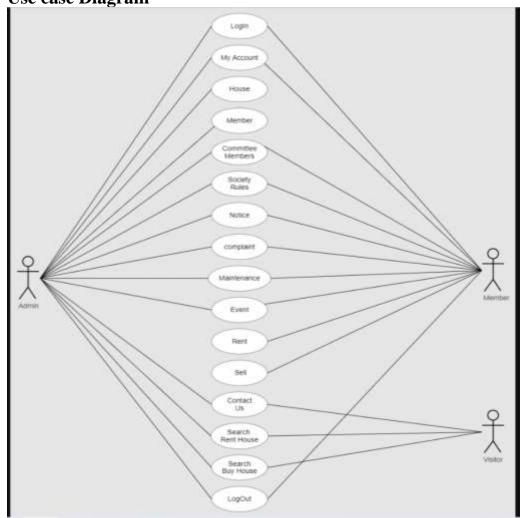
5.1 Software Requirement Specification

- 1. Registration Process
 - Member
 - Member needs to register their account by specific fields Email, Password and name, Mobile Number.
 - o Login Module for admin, member login from the frontend.
 - Admin
 - o Admin can block the member
- 2. Profile Page
 - Member
 - o After login customer can view their profile page.
 - o Profile page has following options like My Profile, Property and Others.
 - Admin
 - o After login admin can view their profile page.
 - o admin can edit the profile details.
 - o admin can upload and manage their property details.
- 3. User Management
 - Admin

- Admin can view all the member list.
- o Admin can block member and seller.
- o Admin can view all the member list.
- 4. Property Catalogue/Catalogue Management (Customer)
 - The page is designed with the list of property.
 - Each property is shown with the image and basic information like (property name, price, address).
 - Property is sorted by
 - o Price (Low, Medium, High)

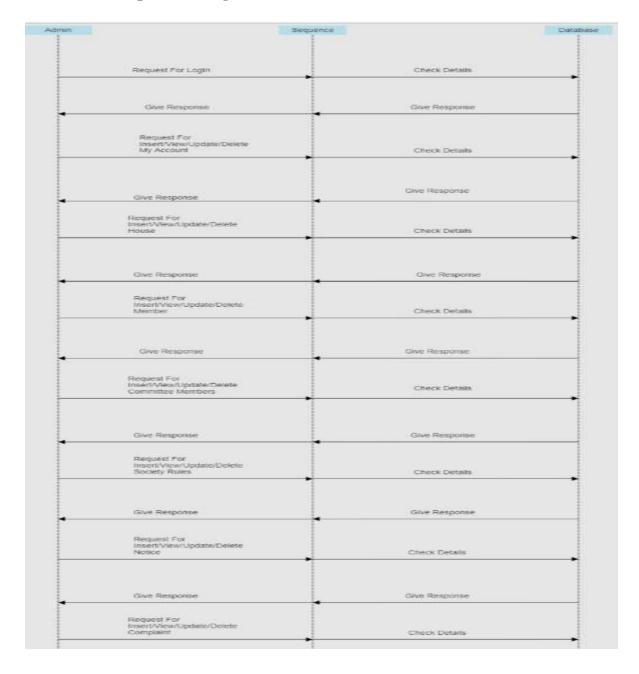
5.2 UML Diagram

5.2.1 Use case Diagram



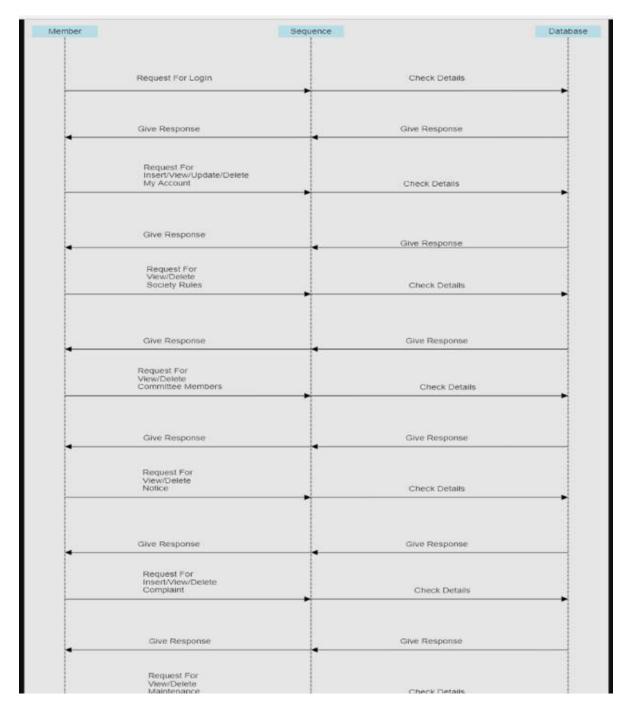
5.2.2 Sequence Diagram

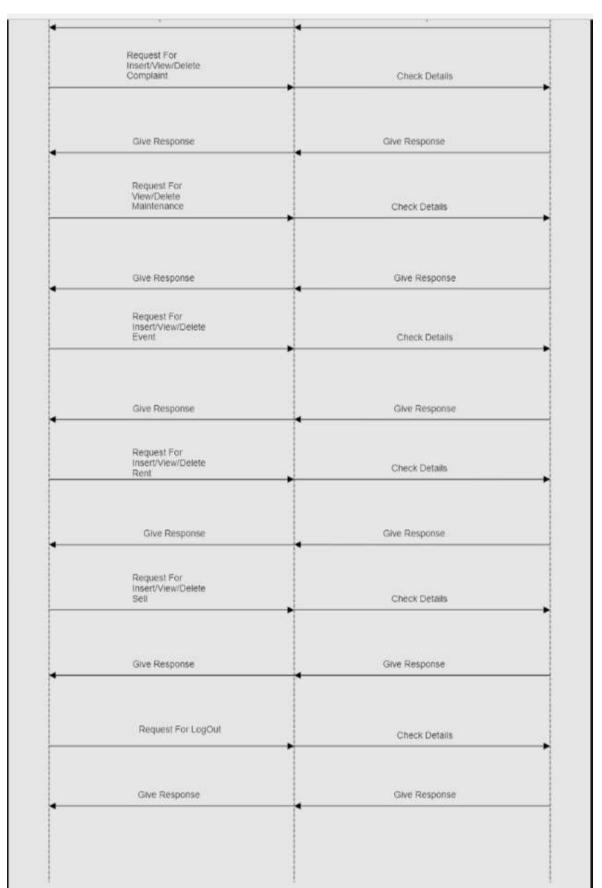
Admin Sequence Diagram



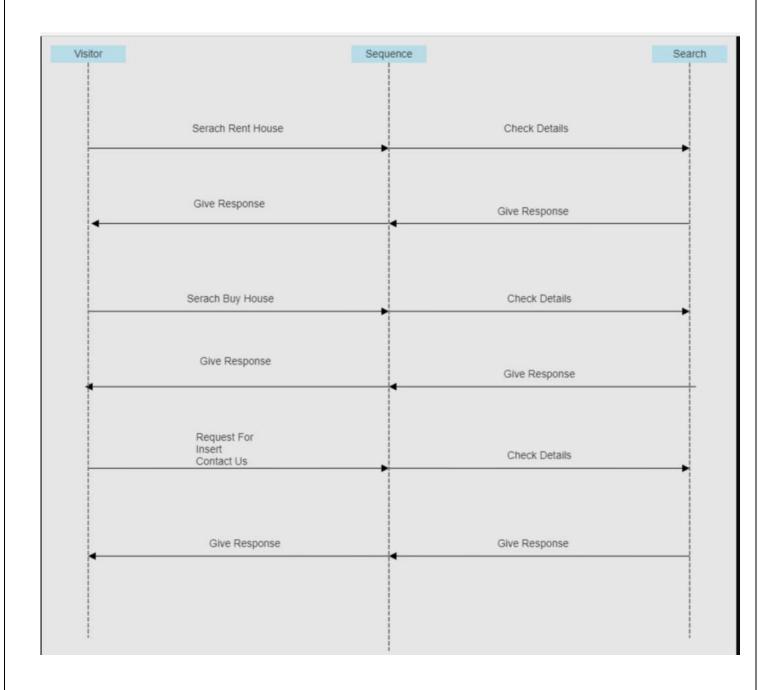
	Sive Response	Give Response
Ri In C	equest For sert/Vew/Update/Delete omplaint	Check Details
	Dive Response	Give Response
R In	equest For sert/Vew/Update/Delete amtenance	Check Details
	Sive Response	Give Response
	Request For Insert/View/Update/Delette Event	Chéck Détaits
	Oive Response	Give Response
	Request For insert/view/Dolete Contact Us	Check Details
	Give Response	Give Response
	Request For View Rent For Visitor	Check Details
	Dive Response	Give Response
	Request For View Buy For Visitor	Check Details
G	ve Response	Give Response
	Request For LogOut	Check Details
	Give Response	Give Response

Member Sequence Diagram





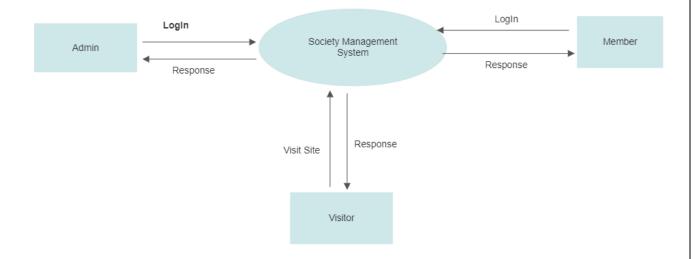
Visitor Sequence Diagram

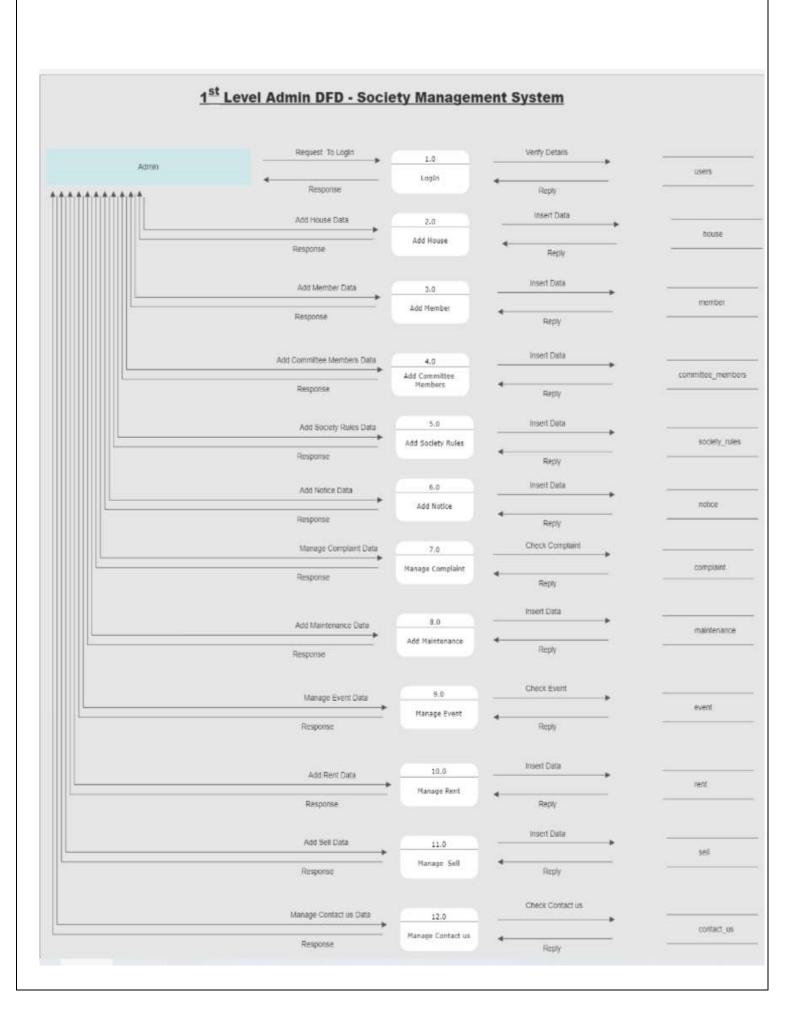


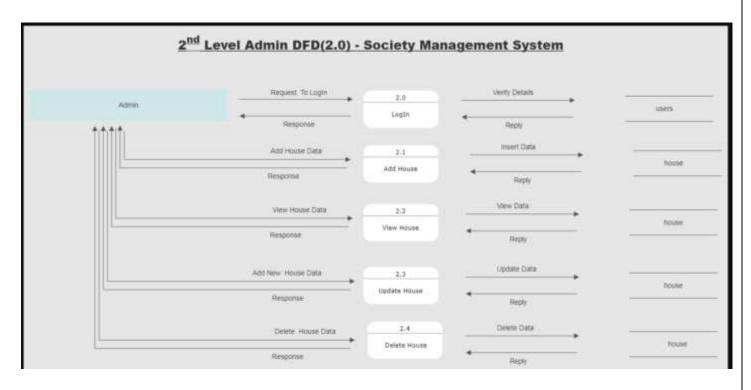
5.2.3 DFD Diagram

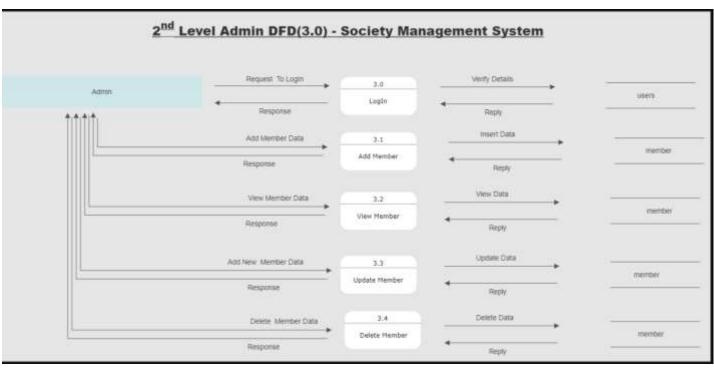
Admin DFD

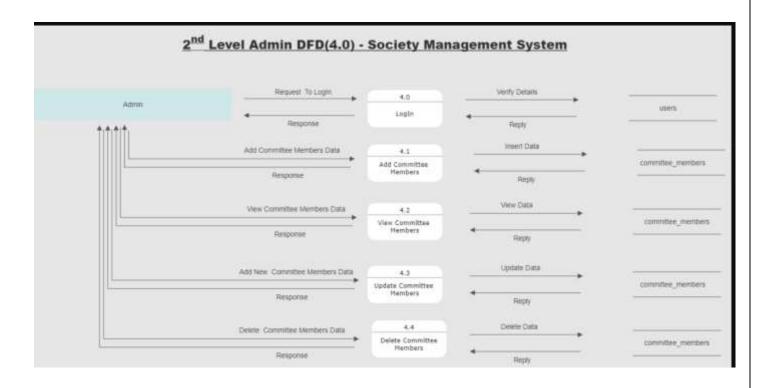
Zero (0) - Level DFD - Society Management System

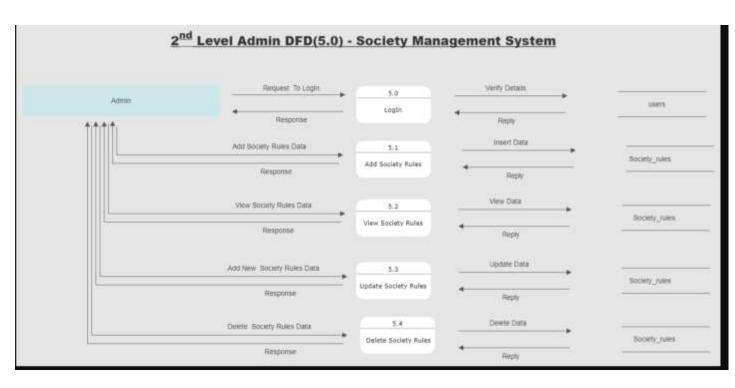


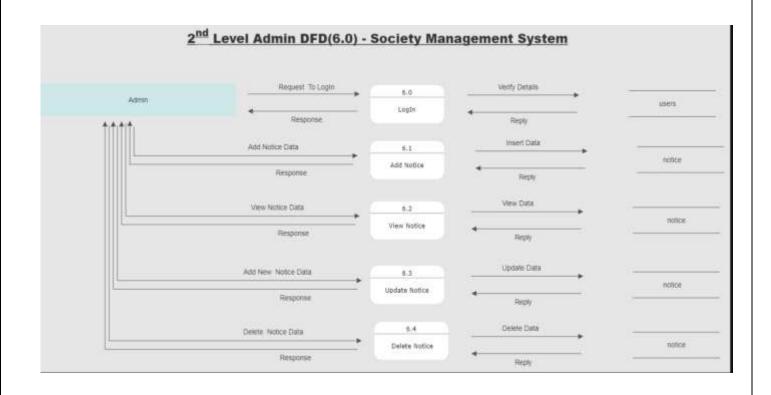


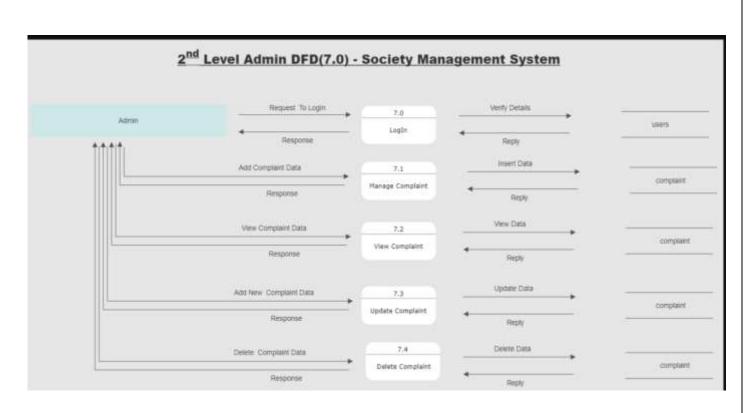


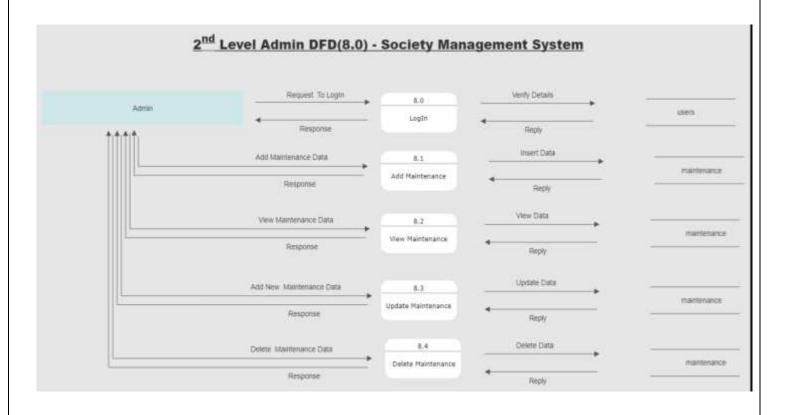


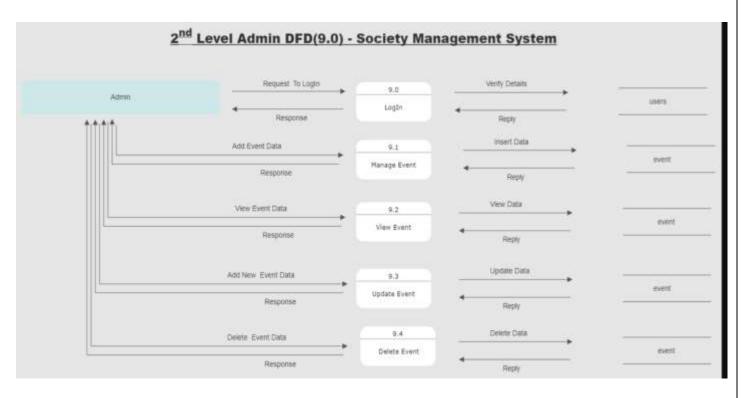


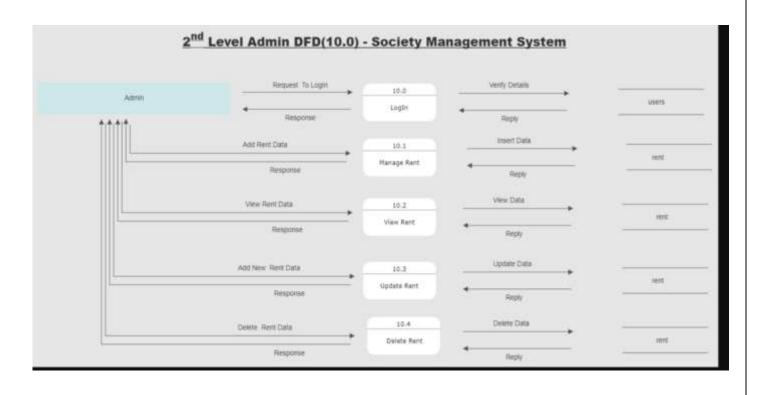


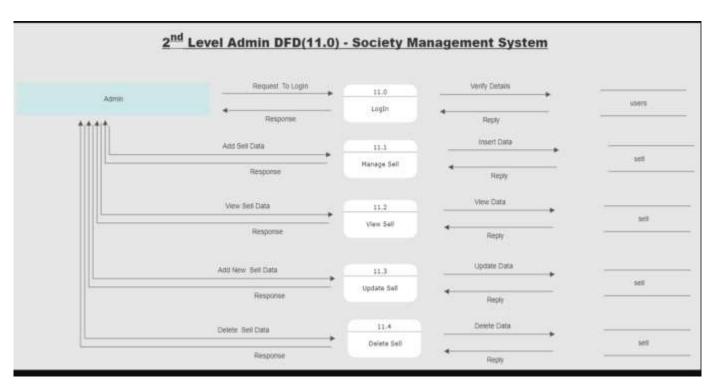


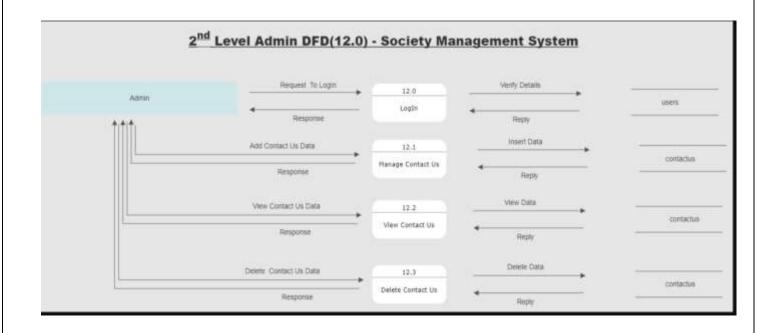




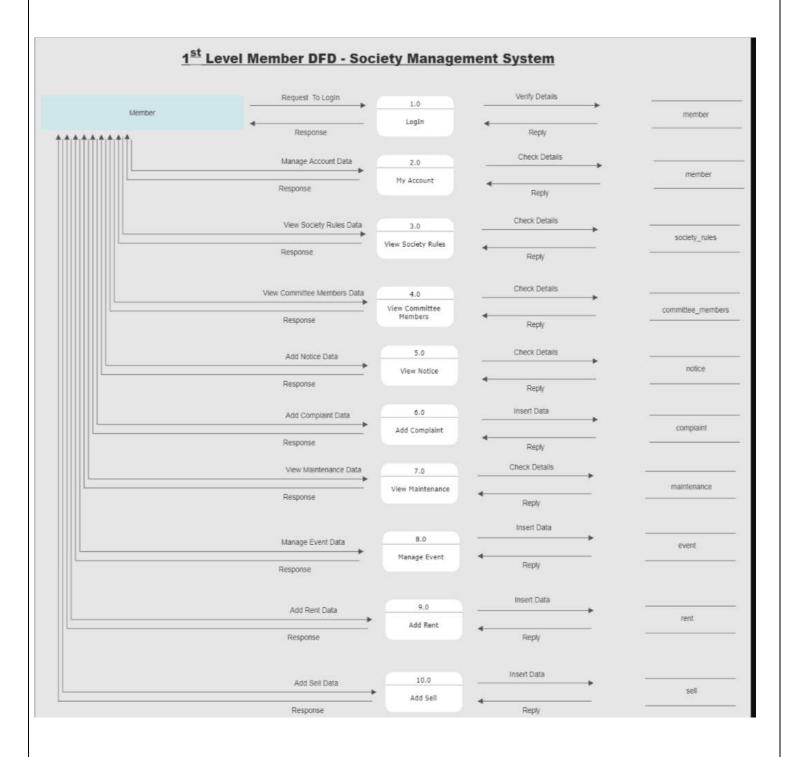




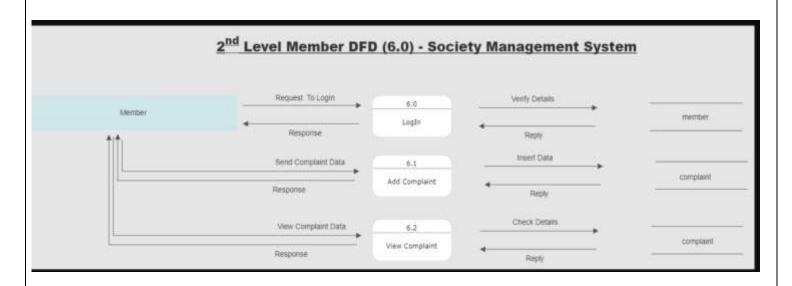


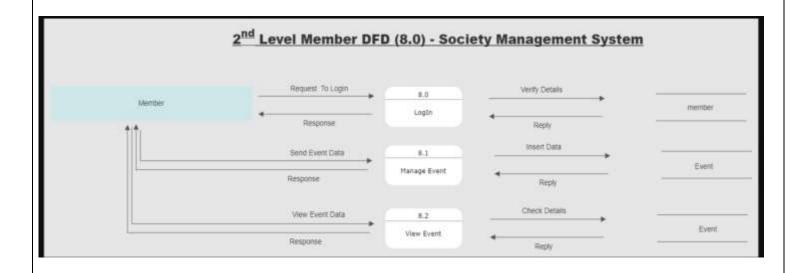


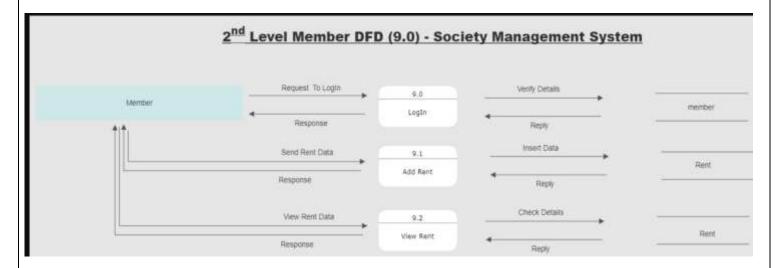
Member DFD

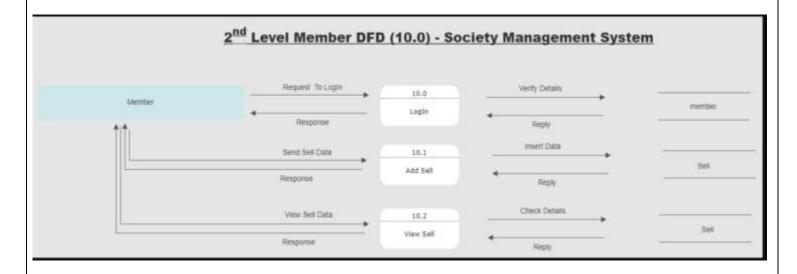




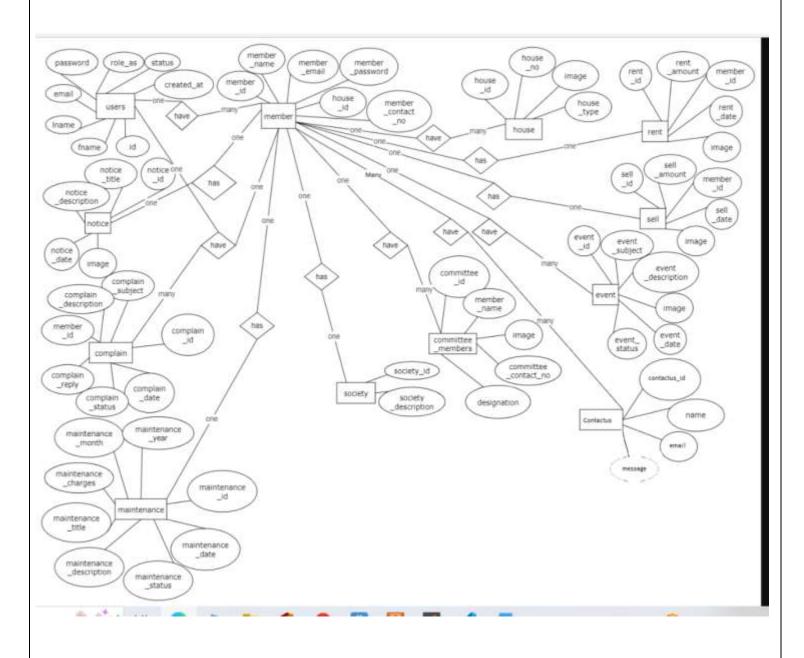








5.3 ER Diagram



6 SOFTWARE DESIGN

6.3 Database Design

1. <u>Users</u>

Element Name	Element Description	Data types	Constraint
id	Id	int (11)	Primary Key
fname	fname	varchar (200)	Not Null
Iname	Iname	varchar (200)	Not Null
email	email	varchar (200)	Not Null
password	password	varchar (200)	Not Null
role_as	role_as	tinyint (4)	As defined Default (0)
status	status	tinyint (1)	As defined Default (0)
created_at	created_at	timestamp	current_timestamp ()

2. <u>house</u>

Element Name 8	Element Description	Data Types	Constraint
house_id	house_id	int (11)	Primary Key
house_no	House_no	varchar (200)	Not Null
image	Image	varchar (200)	Not Null
House_type	House_type	varchar (200)	Not Null

3. member

Element Name	Element Description	Data types	Constraint
member_id	member_id	int (11)	Primary Key
member_name	member_name	varchar (200)	Not Null
member_email	member_email	varchar (200)	Not Null
member_password	member_password	varchar (200)	Not Null
member_contact_no	member_contact_no	varchar (200)	Not Null
house_id	house_id	int (11)	Foreign key

4. <u>rent</u>

Element Name	Element Description	Data types	Constraint
rent_id	rent_id	int (11)	Primary Key
rent_amount	rent_amount	int (11)	Not Null
member_id	member_id	int (11)	Foreign Key
rent_date	rent_date	datetime	Not Null
image	Image	Varchar (200)	Not Null

5. <u>sell</u>

Element Name	Element Description	Data types	Constraint
sell_id	sell_id	int (11)	Primary Key
sell_amount	sell_amount	int (11)	Not Null
member_id	member_id	int (11)	Foreign Key
sell_date	sell_date	datetime	Not Null
image	Image	varchar (200)	Not Null

6. notice

Element Name	Element Description	Data types	Constraint
notice_id	notice_id	int (11)	Primary Key
notice_title	notice_title	varchar (200)	Not Null
notice_description	notice_description	mediumtext (200)	Not Null
image	Image	varchar (200)	Not Null
notice_date	notice_date	datetime	Not Null

7. <u>event</u>

Element Name	Element Description	Data types	Constraint
event_id	event_id	int (11)	Primary Key
event_subject	event_subject	varchar (200)	Not Null
event_description	event_description	mediumtext (500)	Not Null
Image	Image	varchar (200)	Not Null
event_date	event_date	datetime	Not Null
event_status	event_status	varchar (200)	As defined Default (pending)

8. <u>committee members</u>

Element Name	Element Description	Data types	Constraint
committee_id	committee_id	int (11)	Primary Key
member_name	member_name	varchar (200)	Not Null
image	Image	varchar (200)	Not Null
member_contact_no	member_contact_no	int (11)	Not Null
designation	designation	varchar (200)	Not Null

y.

9. Society_rules

Element Name	Element Description	Data types	Constraint
society_id	society_id	int (11)	Primary Key
society_description	society_description	mediumtext (500)	Not Null

10. contact us

Element Name	Element Description	Data types	Constraint
contactus_id	contactus _id	int (11)	Primary Key
name	Name	varchar (200)	Not Null
email	Email	varchar (200)	Not Null
message	message	varchar (200)	Not Null

11.maintenance

Element Name	Element Description	Data types	Constraint
maintenance_id	maintenance_id	int (11)	Primary Key
maintenance_year	maintenance_year	datetime	Not Null
maintenance_month	maintenance_month	datetime	Not Null
maintenance_charges	maintenance_charges	int (11)	Not Null
maintenance_title	maintenance_title	varchar (200)	Not Null
maintenance_description	maintenance_ description	mediumtext (500)	Not Null
maintenance_status	maintenance_status	varchar (200)	As defined
			Default
			(pending)
maintenance_date	maintenance_date	datetime	Not Null

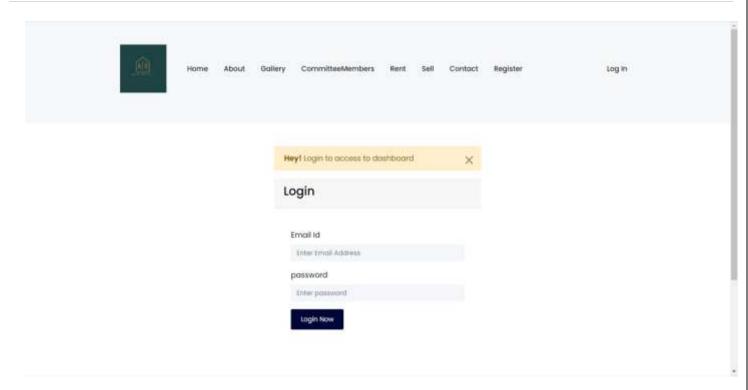
12.complain

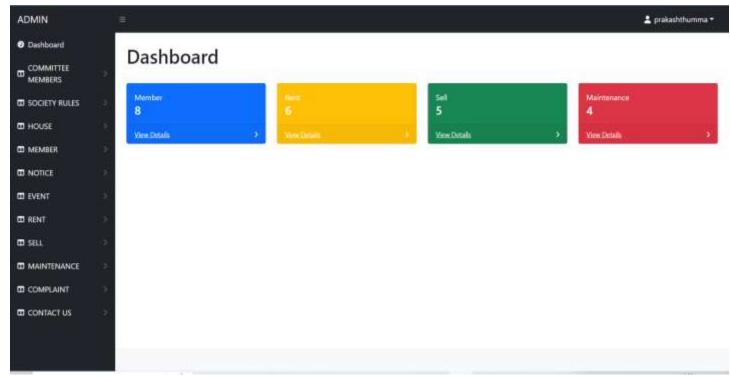
Element Name	Element Description	Data types	Constraint
complain_id	complain_id	int (11)	Primary Key
complain _subject	complain_subject	varchar (200)	Not Null
complain_description	complain_description	mediumtext (500)	Not Null
member_id	member_id	int (11)	Foreign Key
complain_reply	complain_reply	mediumtext (500)	Not Null
complain_status	complain_status	varchar (200)	As defined Default (pending)
complain_date	complain_date	timestamp	current_timestamp ()

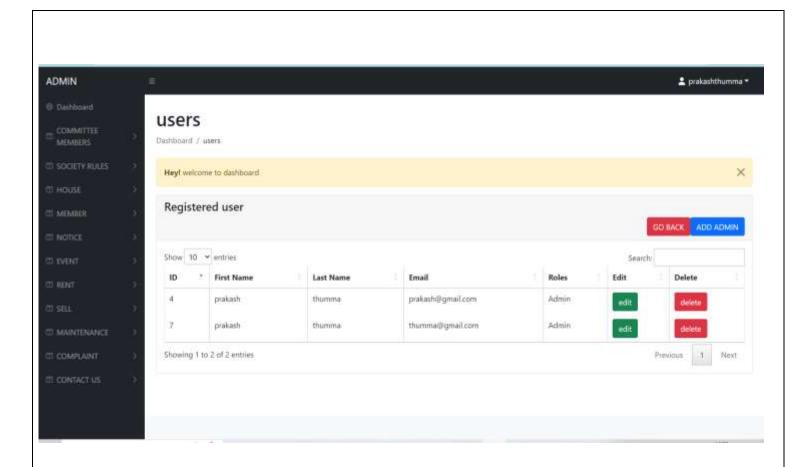
6.3 Interface Design

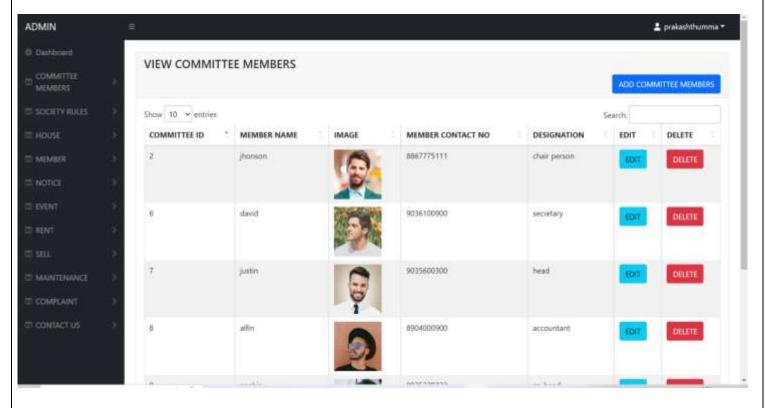
Admin Panel

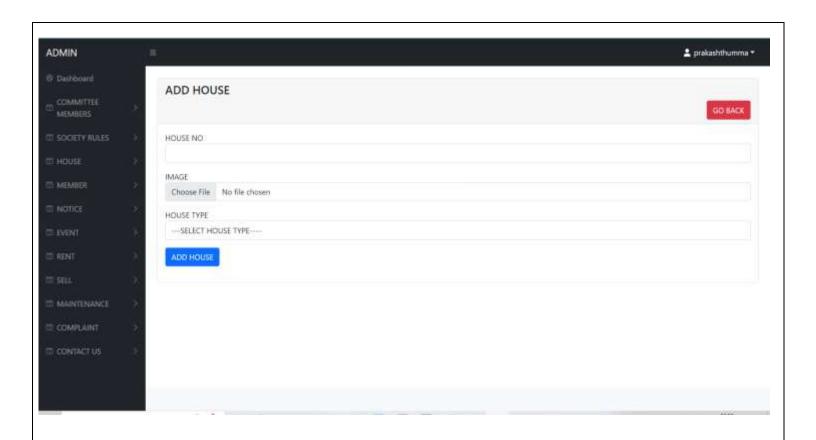
Admin Dashboard

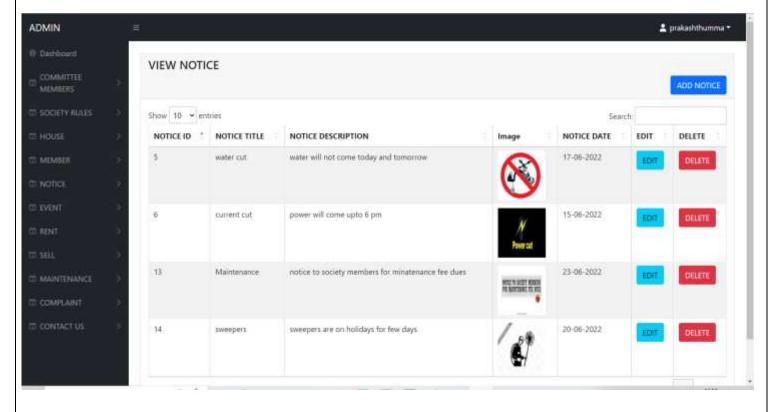


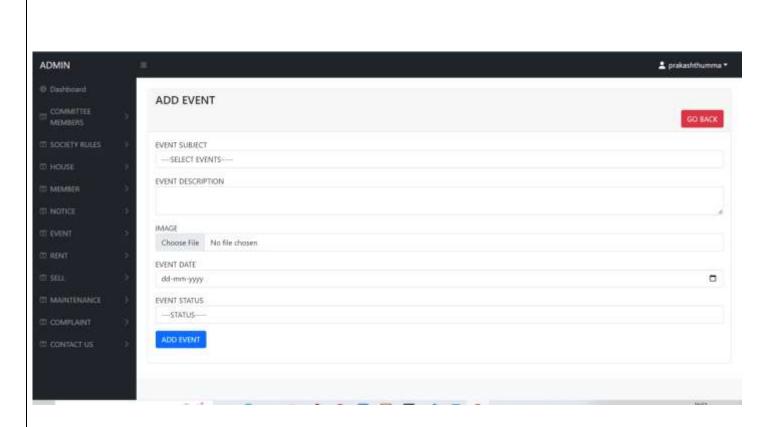


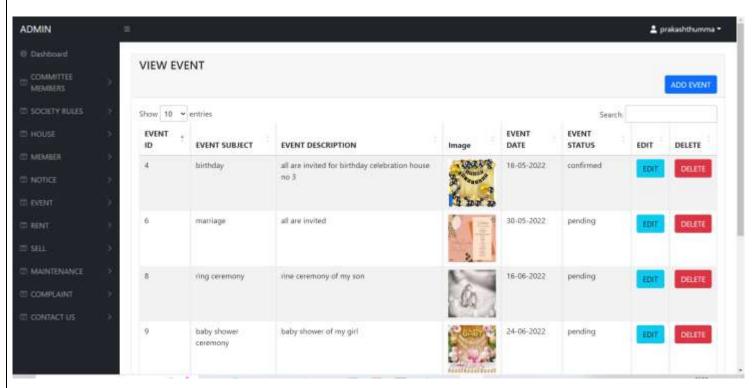


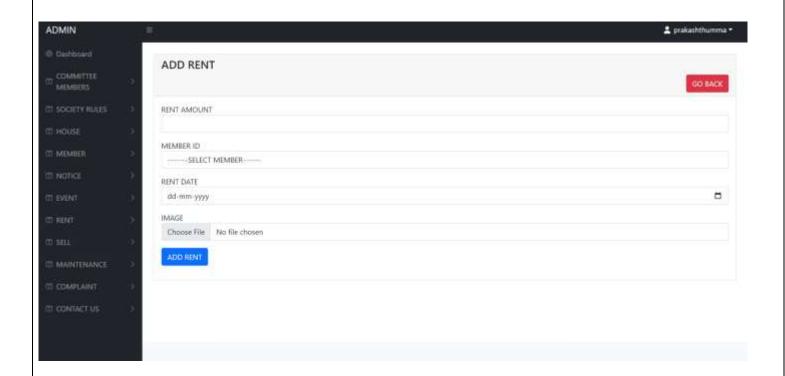


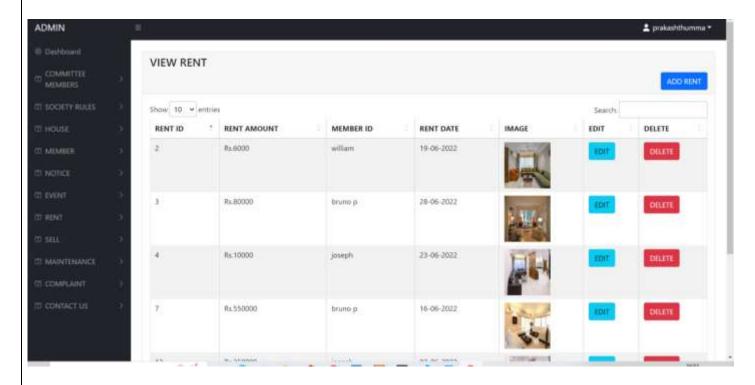


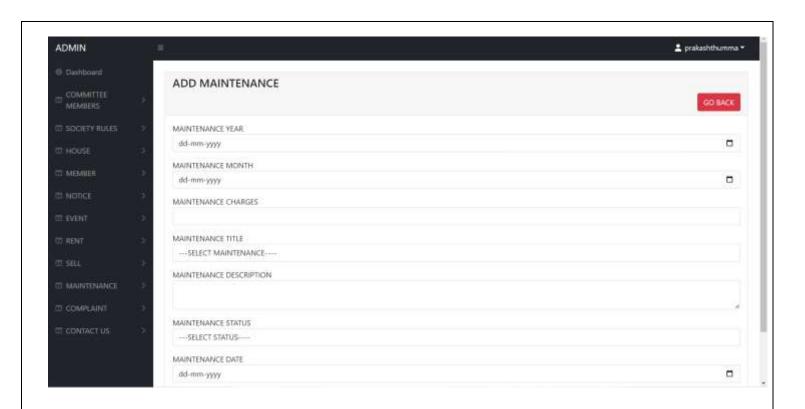


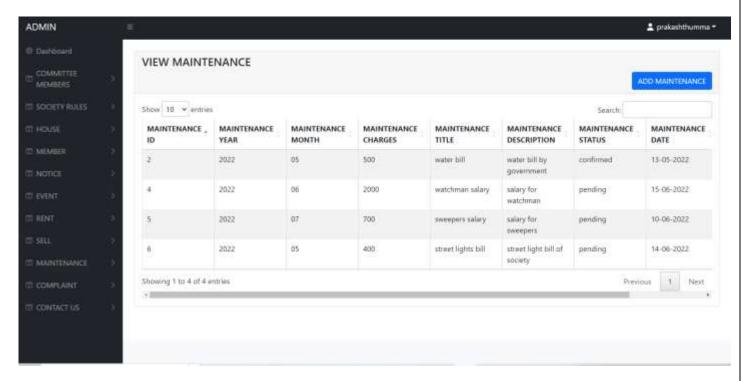


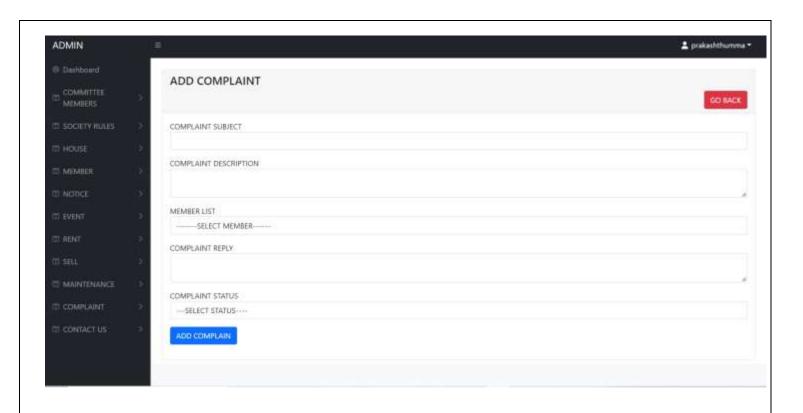


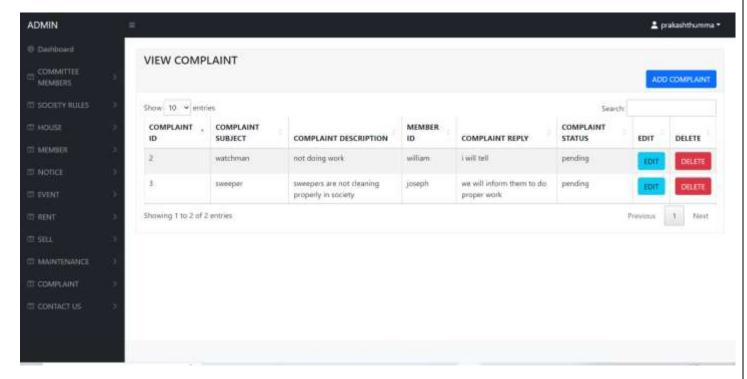


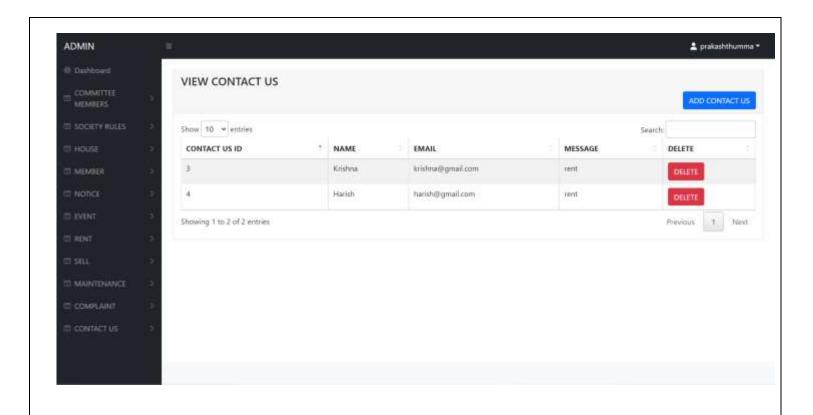






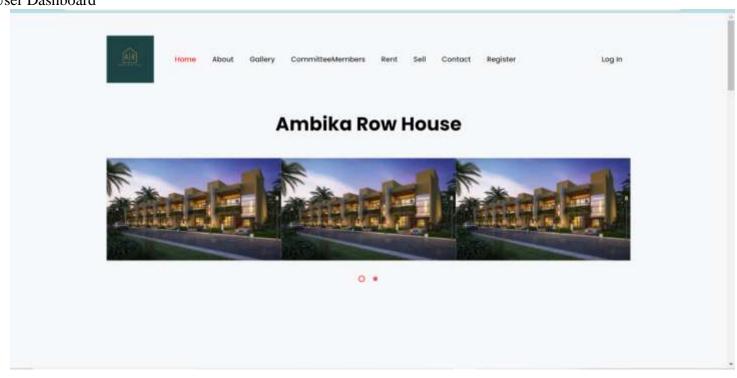


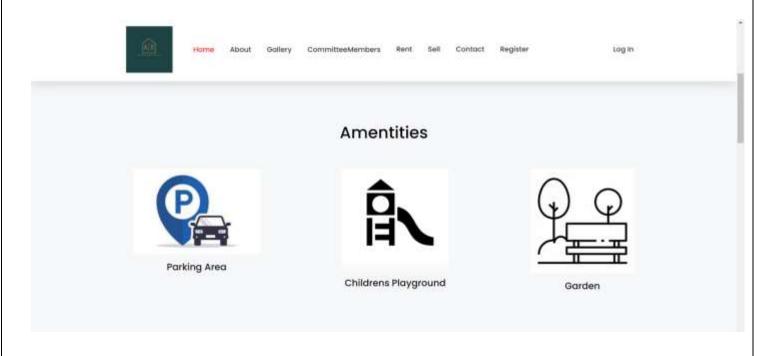


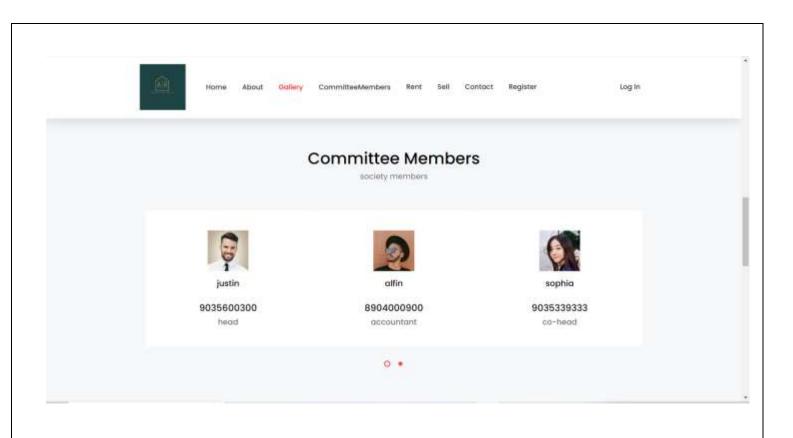


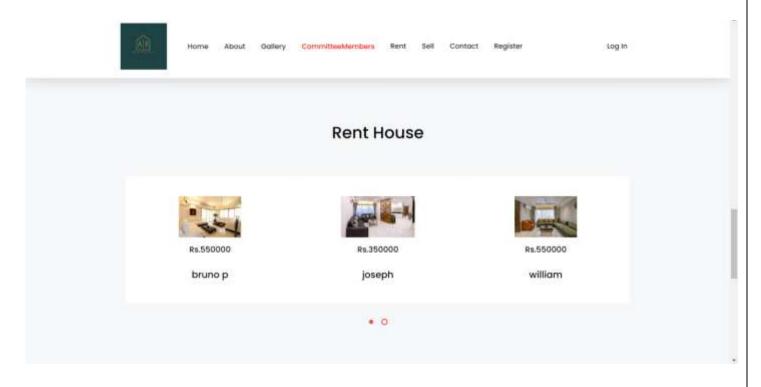
User panel

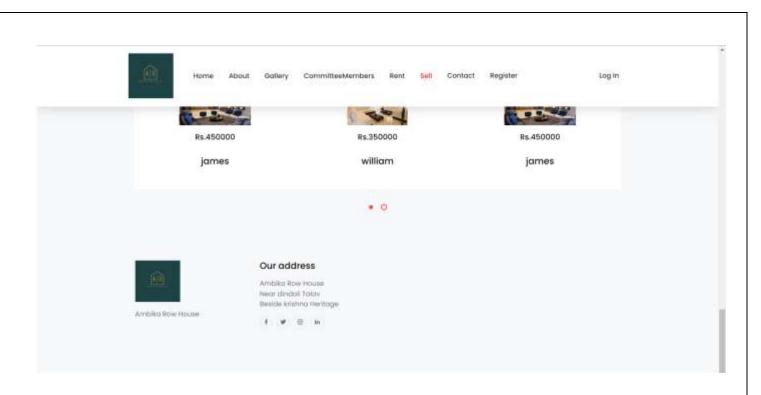
User Dashboard



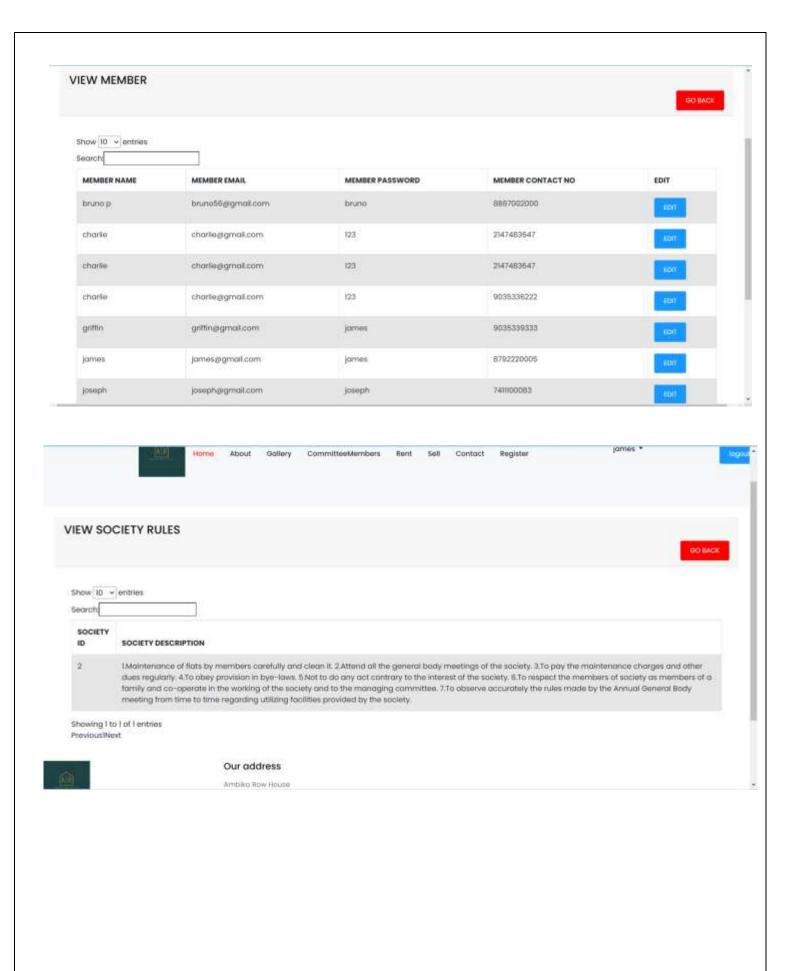


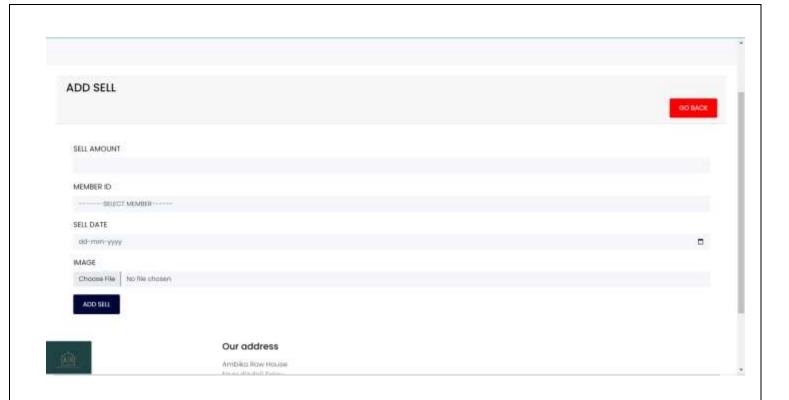


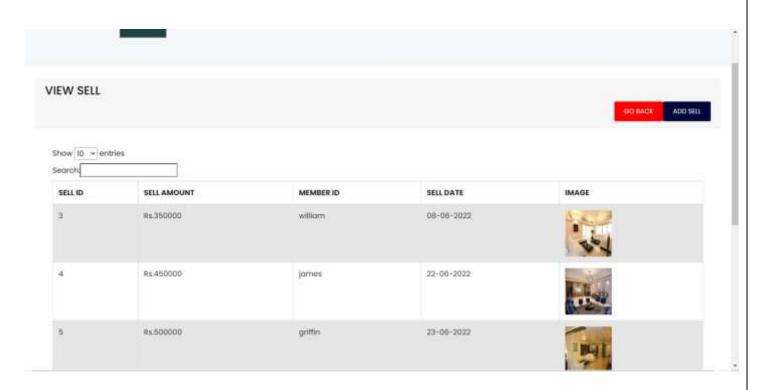












7 Testing

7.3 Unit Testing

Login Module

Member unable to view Member details when member doesn't register or login to the application.

Member unable to add properties into application when member doesn't register or login to the application.

8 Future Enhancement

- ✓ Advance search will be implemented Properly.
- ✓ Member can add property video.
- ✓ member's property can display based on admin's approval.
- ✓ Payment process will implement later on(rent payment).
- ✓ Member will be notify by mail (notification) based on payment of customer's choice ex. Payment pending or Payment Successful
- ✓ Package for seller will we include later into system.
- ✓ New Properties and Popular Properties filter will be added for future.

9.Reference

- ⇒ www.google.com
- ⇒ www.youtube.com
- ⇒ www. getbootstrap.com