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# COMMUNIGATE

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A Society Management System



BY

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KEVAL M. GOTHİ

# Acknowledgement

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I would like to express a deep sense of thanks & gratitude to my project guide Jignesh Nayakpara for guiding me immensely through the course of the project. He always evinced keep interest in my work. His constructive advice & constant motivation have been responsible for the successful completion of this project.

My sincere thanks go to our principal sir for his co-ordination in extending every possible support for the completion of this project .

I also thanks to my all faculty for their motivation & support. I must thanks to my classmate for their timely help & support for compilation of this project. Last but not list, I would like to thanks all those who had helped directly or indirectly towards the completion of this project.

Thank you  
Keval M.Gothi  
Meet S.Mehta

# Preface

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We are the student of BCA Sem-5 Parangat College Of Computer Science is affiliated with Saurashtra University, Rajkot. The period of project work is from June 2023 to March 2024.

We have used PHP as front end tool and My SQL as database back-end tool. This application is developed on informative mobile shop. The project development is the acid test of the theoretical knowledge of the student after completing the course. This project development aims bringing the gap between theoretical and practical knowledge.

We are very thankful to our BCA staff who always ready to give us any type of guidance and help about our project we are also thankful to our project guide **Amit Kaila Sir** who had given importance guidance about our project we are also thankful to our family members especially our mom ,dad , and brother who inspired us for our project .

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## Department of Computer Science

### CERTIFICATE

This is to certify that Shri/Kum. Keval M. Gothi . Students of 5<sup>th</sup> Semester with seat no: \_\_\_\_\_ **BCA. (Bachelor Computer Application), Parangat College of Computer Science, Halvad** has completed his/her 5<sup>th</sup> semester of project work title “ **Communigate-society management system** ” satisfactorily in partial fulfillment of requirement of **Bachelor of Computer Application** degree of **Computer Science, Saurashtra University, Rajkot** in the academic year 2023-24.

Place: Halved

Date:

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Head Of Department

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Project In Charge

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Principal



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Place: Halved

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Head Of Department

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### 1. Information Gathering

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- A Society Management System is a software solution designed to simplify the administration of residential complexes or societies. It serves as a centralized platform that enables efficient communication and management between residents and the society's management committee.

#### 🏠 Project Title:

- "CommuniGate" is the web-based software for managing society efficiently.
- "CommuniGate" is a combine Word of communication on gate as we all know for any society all management are always done at society gate.
- Comparing to that all necessary communications or management will now be done on our CommuniGate.
- as name show our product is a complete package to managing society properly.

#### ○ Purpose:

- Objective of Society management. System is to manage all day-to-day Society work, tasks and for maintaining information about Society and flats.
- Purpose is to shift all the daily work from Physically to digitally.

- **Scope of System:**

- Description of current system:

- in current framework, all the work is done physically, the notice board is traditional hence there is problem of unreachable information & more time consuming.

- Proposed system:

- in our CommuniGate virtual notice board will implement so that notices can be seen from anywhere and will be available to everyone thorough website.
    - there will be two logins admin and member to ensure the authenticity of things.

- Main Features:

- This software has built in notice board which notified user whenever society has some important notice.
    - Software contains bill payment interface, that beneficiary towards the transparency.
    - Software has visitor logbook that helps to maintaining members personal security.
    - Software contains contact book for all miscellaneous and necessary contacts.



## 2. Requirement Analysis

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### 🏠 Project analysis and functionality:

- Project analysis follows around user's module.
- Login:
  - Users can login with the email and password which was given to admin.
- Dashboard:
  - contains summery of all the important data.
- Announcement:
  - Contains virtual notice board for important announcement.
- Bill:
  - Contains Bill Information Specific to the user.
- Member:
  - Contains the details about all members.
- Staff:
  - Contains the details about all staff.
- Logout:
  - Users who want to exit the app click this button.

🏠 **System Requirements:**

○ Tools and technology:

▪ Frontend Tools	▪ Html ▪ CSS ▪ Java script ▪ php
▪ Backend Tools	▪ MySQL
▪ Documentation tools	▪ Word
▪ Web Server	▪ MySQL server
▪ Web Browser	▪ Google chrome
▪ Operating system	▪ Windows 11

○ hardware specification:

- 8Gb ram
- 512Gb SSD

○ Software Specification:

- VS Code
- Xampp

### 3. Feasibility study

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- A feasibility study is determined the possibility or probability of either improving the existing system or developing a completely new system.
- It is said that “First Impression Is Last Impression.” To show this best impression of our website we must show in a professional way.
- The feasibility of the system checks whether the system can efficiently provide the facilities for which it the likelihood of the system being widely acceptable to the targeted client.
- Feasibility study decides whether the system is properly developed or not.
- Feasibility study is a process to check the possibility of system development. It is a method to check various and availability of financial & technical resources.
  - Technical Feasibility:
    - Feasibility study is a process to check the possibility of system development. It is a method to check various and availability of financial & technical resources.
    - Minimum System Requirements is such that it can be affordable by of the user who is having computer.

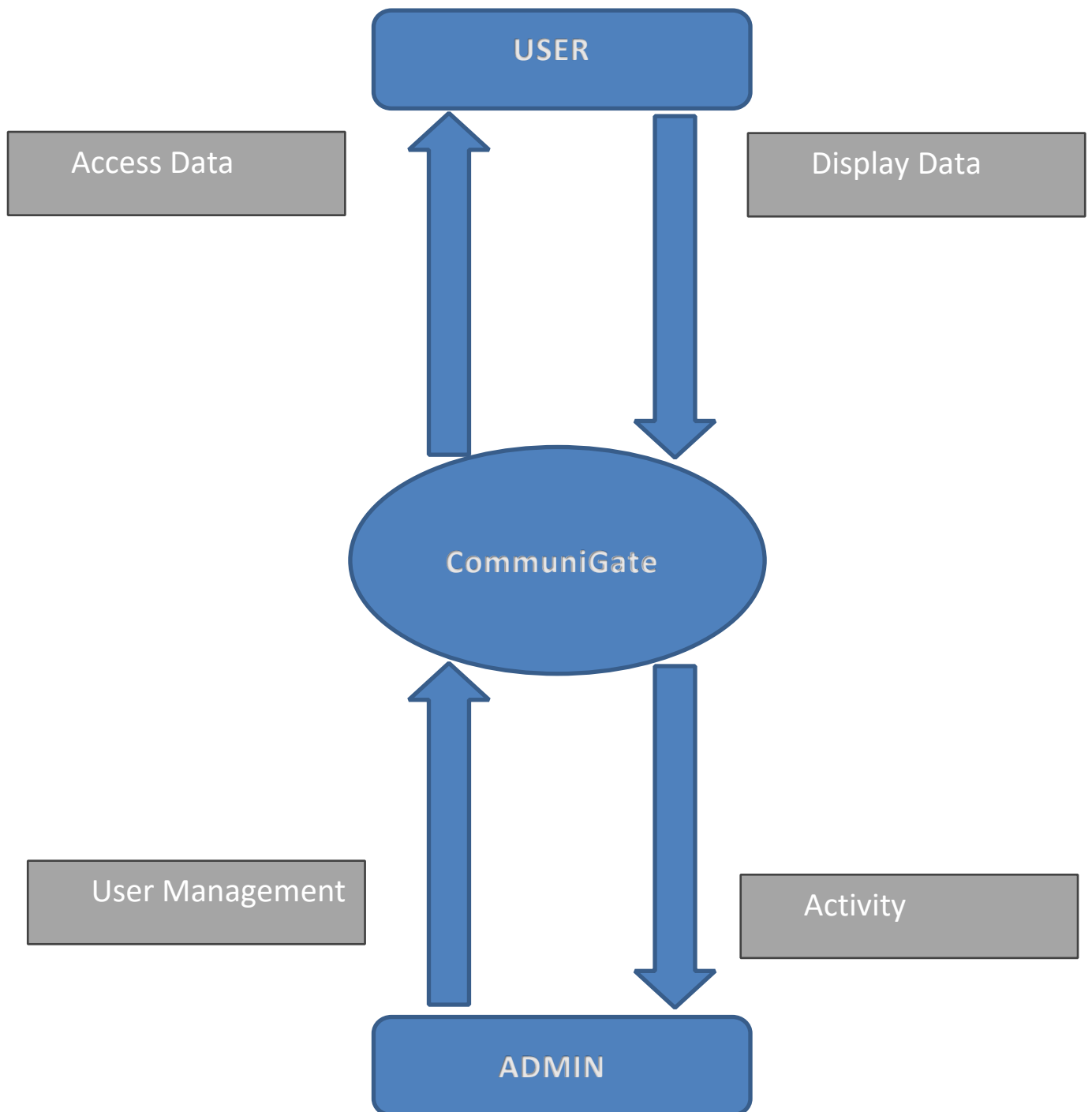
- All the user requires is compatible browser, so our system is fully technical feasible.
- Economic Feasibility:
  - Implementation of this system will be a lifetime investment, which will ensure return to the store of good services & market value throughout the future. So, the system is found economical feasible.
  - The economic feasibility takes into consideration of the financial matter regarding the proposed system

#### 4. UML Design

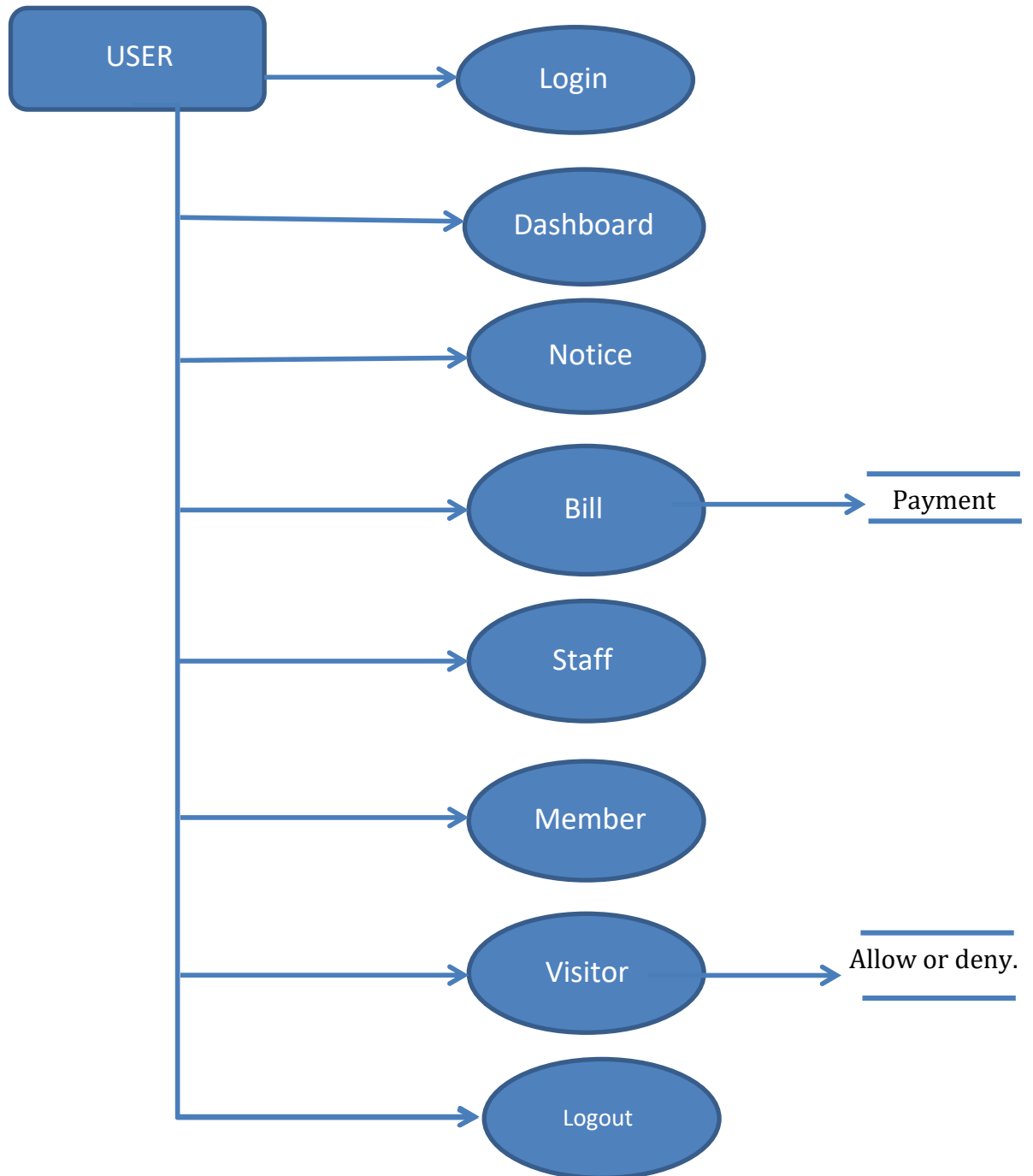
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##### 🏠 DFD (Data Flow Diagram):

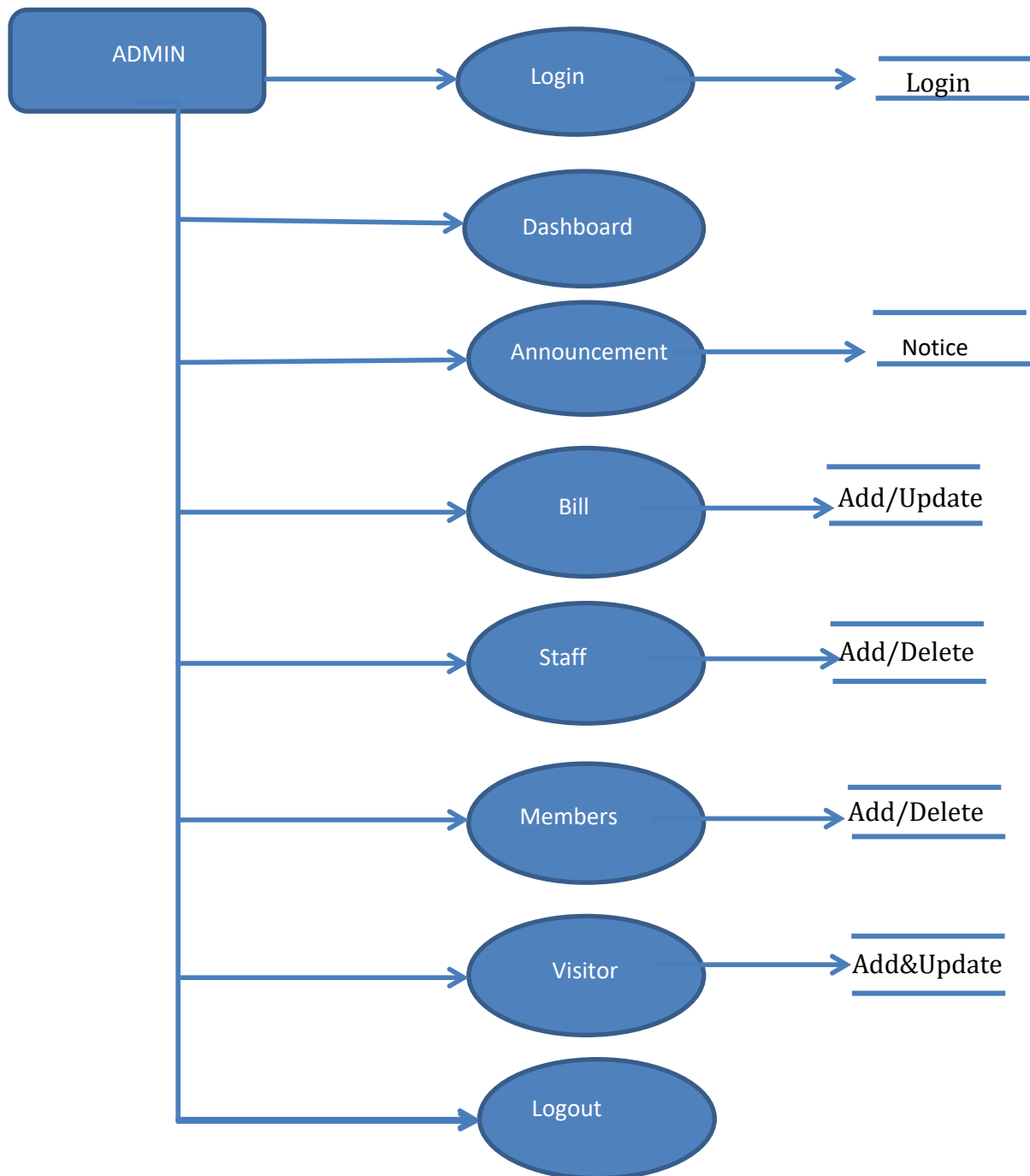
- Zero/context Level Diagram:



- First Level Diagram:
  - User Side

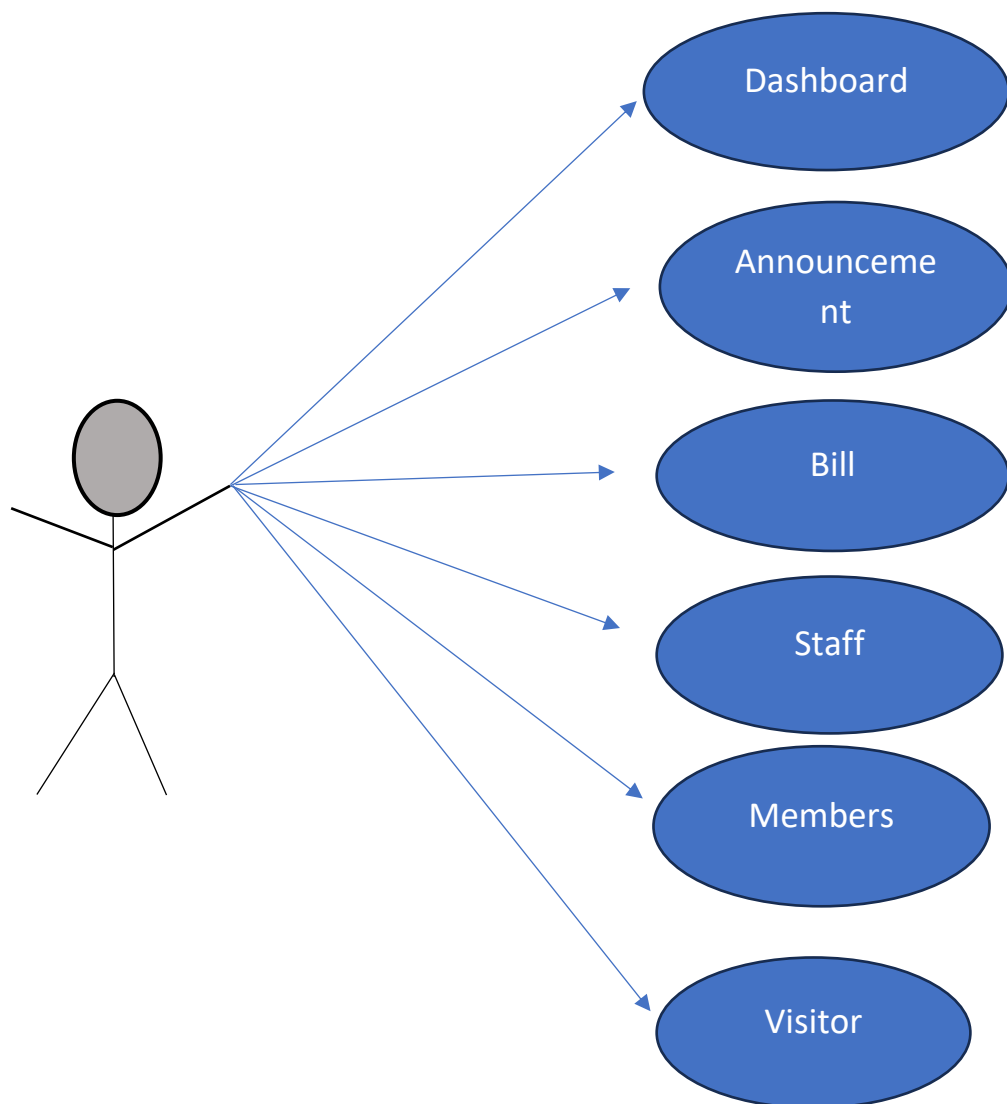


- Admin Side



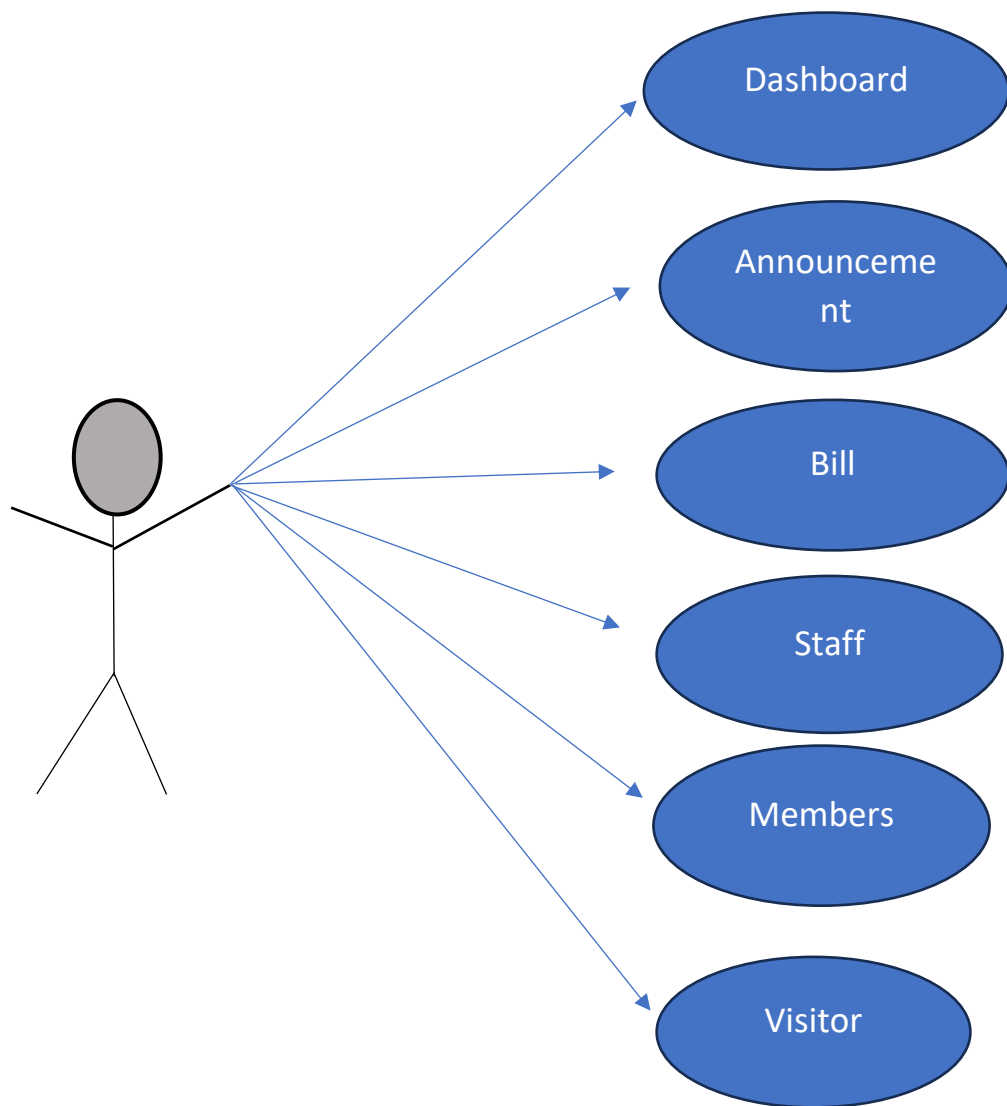
○ Use Case Diagram:

● User Side



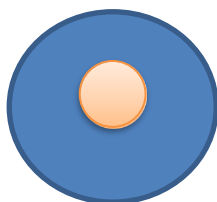
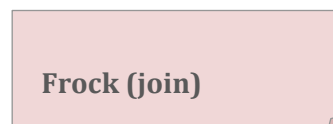
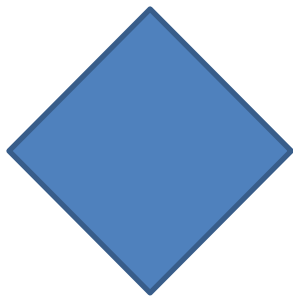
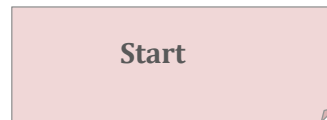
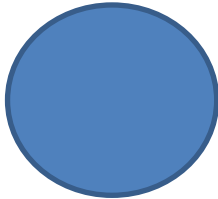


- Admin Side

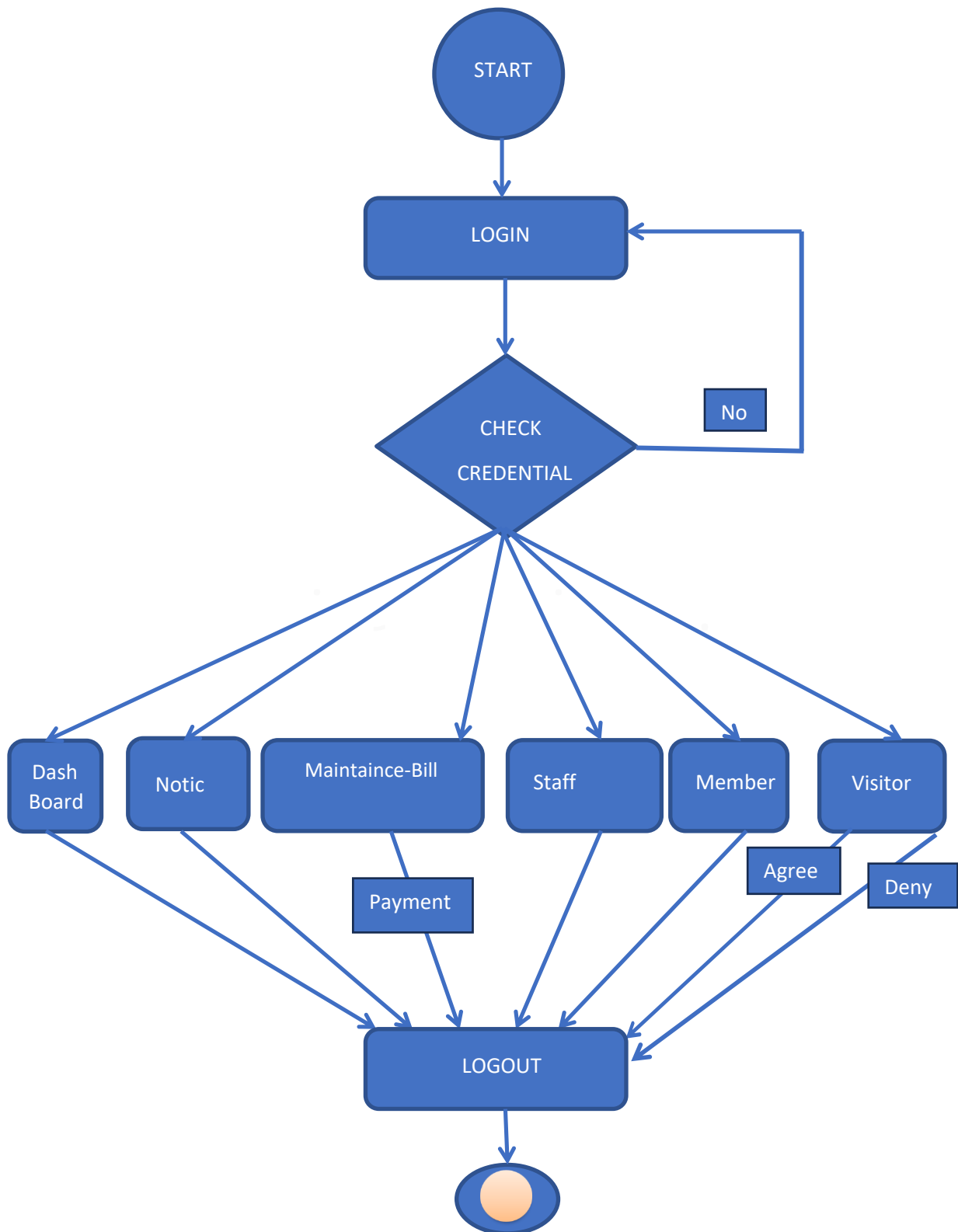


○ Activity Diagram:

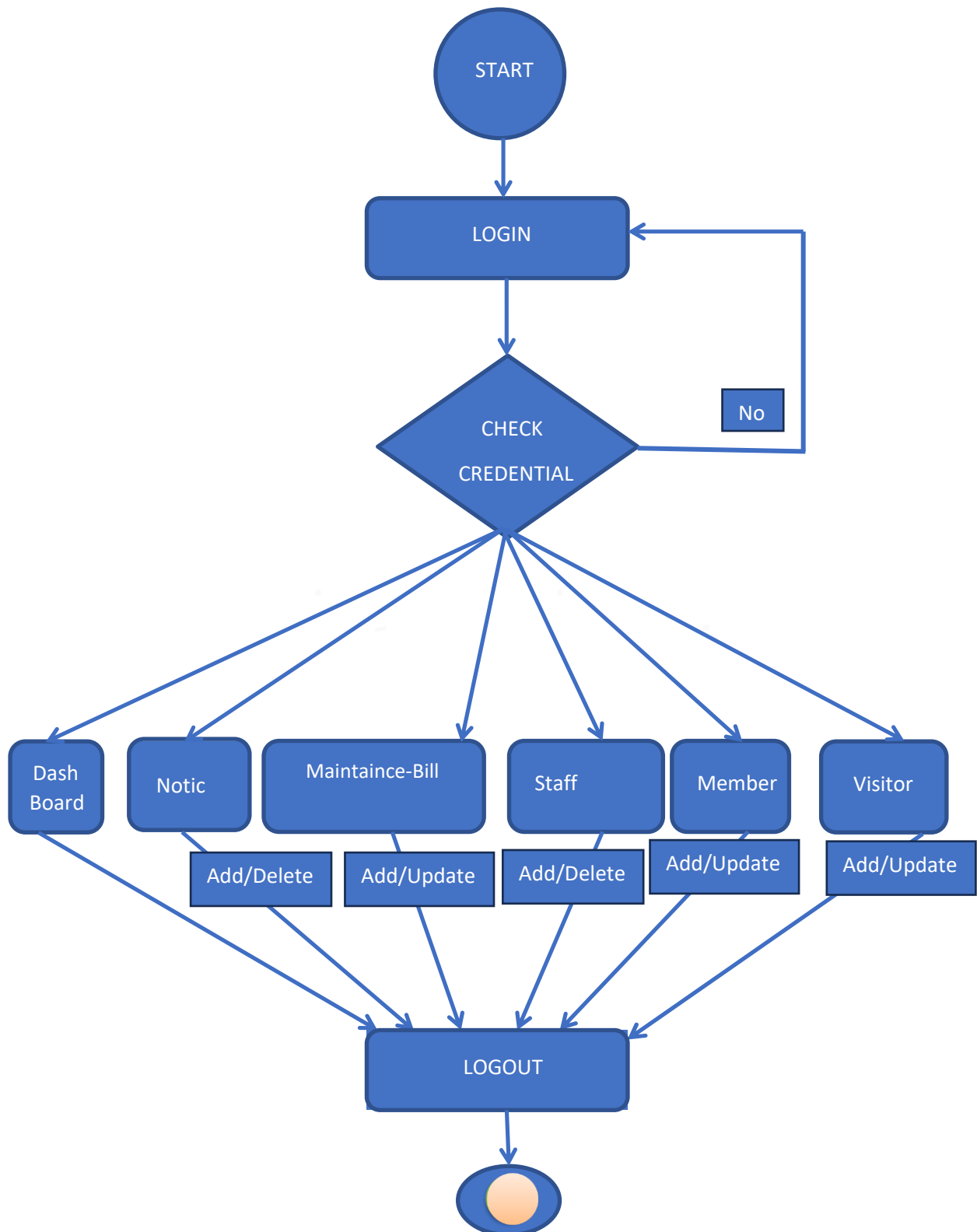
**Symbols: -**



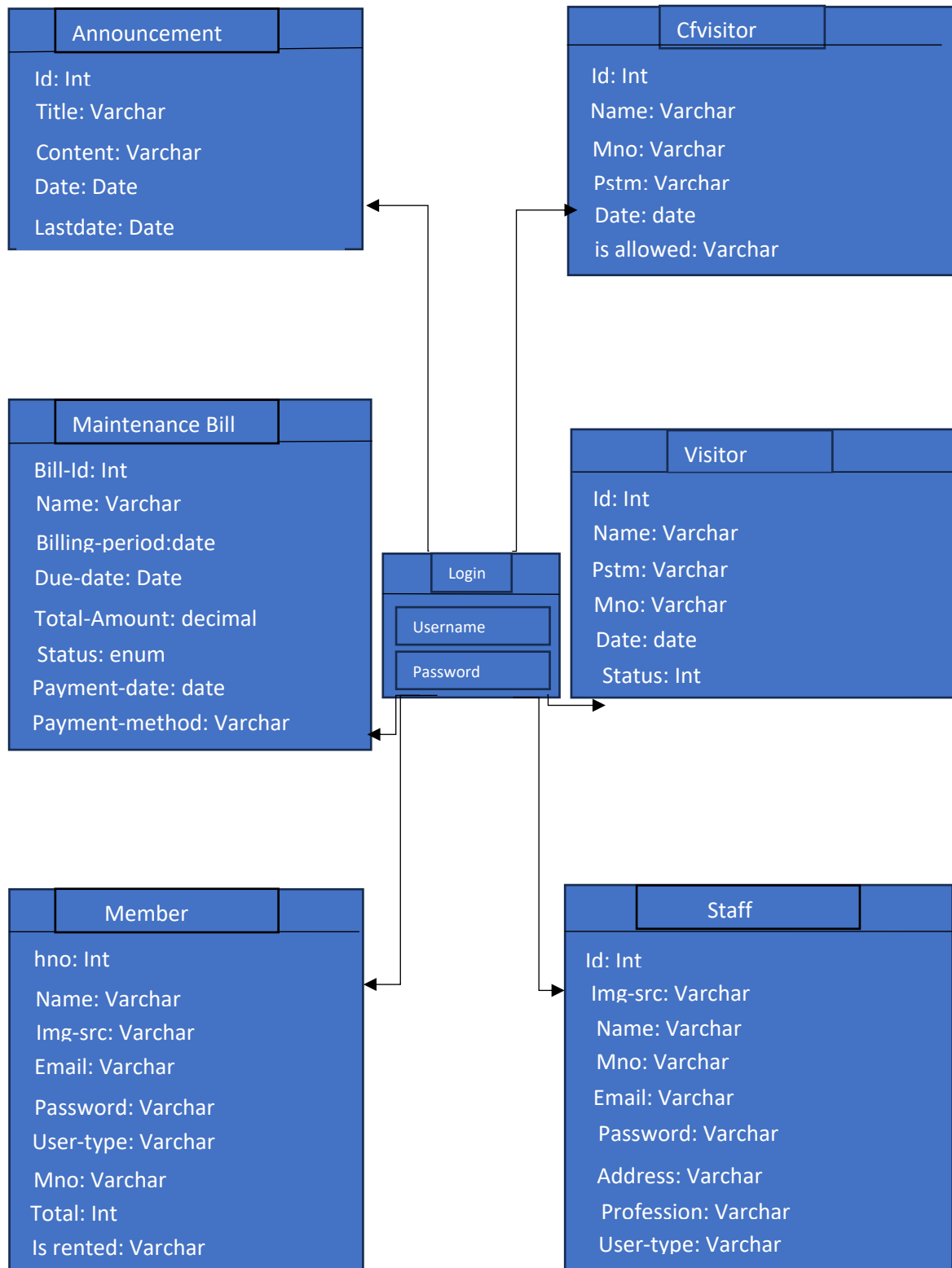
- User Side:



- Administer: Admin Can Create update and delete all



## COMMUNIGATE



## 5. Data Dictionary:



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- In data dictionary, you will find a list of all elements composing the data flowing through a system.
- The major elements are data flows, data stores and processes.
- The data dictionary stores details and descriptions of these elements.


↑ Member:

#	Name	Type
1	<b>hno</b> 	int(255)
2	<b>name</b>	varchar(255)
3	<b>img_source</b>	varchar(400)
4	<b>email</b>	varchar(255)
5	<b>password</b>	varchar(255)
6	<b>user_type</b>	varchar(255)
7	<b>mno</b>	varchar(15)
8	<b>total</b>	int(25)
9	<b>isrented</b>	varchar(10)


### 🏠 Announcement:

#	Name	Type
1	<b>id</b>  	int(255)
2	<b>title</b>	varchar(100)
3	<b>content</b>	varchar(8000)
4	<b>date</b>	date
5	<b>lastdate</b>	date


### 🏠 Maintaince:

#	Name	Type
1	<b>bill_id</b> 	int(11)
2	<b>name</b>	varchar(255)
3	<b>billing_period</b>	date
4	<b>due_date</b>	date
5	<b>wb</b>	int(255)
6	<b>eb</b>	int(255)
7	<b>mf</b>	int(255)
8	<b>total_amount</b>	decimal(10,2)
9	<b>status</b>	enum('paid', 'unpaid', 'overdue')
10	<b>payment_date</b>	date
11	<b>payment_method</b>	varchar(50)

### 🏠 Staff:


#	Name	Type
1	<b>id</b> 	int(255)
2	<b>img_source</b>	varchar(400)
3	<b>name</b>	varchar(255)
4	<b>mno</b>	varchar(15)
5	<b>email</b>	varchar(255)
6	<b>password</b>	varchar(255)
7	<b>address</b>	varchar(8000)
8	<b>Profession</b>	varchar(255)
9	<b>user_type</b>	varchar(10)

### 🏠 Visitor:

#	Name	Type
1	<b>id</b> 	int(255)
2	<b>name</b>	varchar(255)
3	<b>mno</b>	varchar(255)
4	<b>pstm</b>	varchar(255)
5	<b>date</b>	date
6	<b>status</b>	int(1)

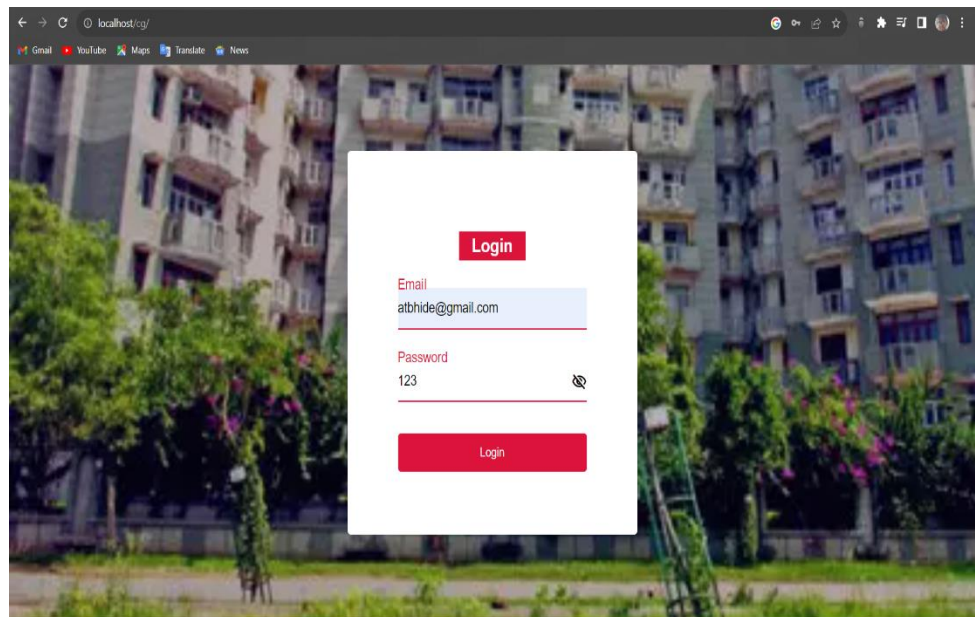


🏠 cfvisitor:

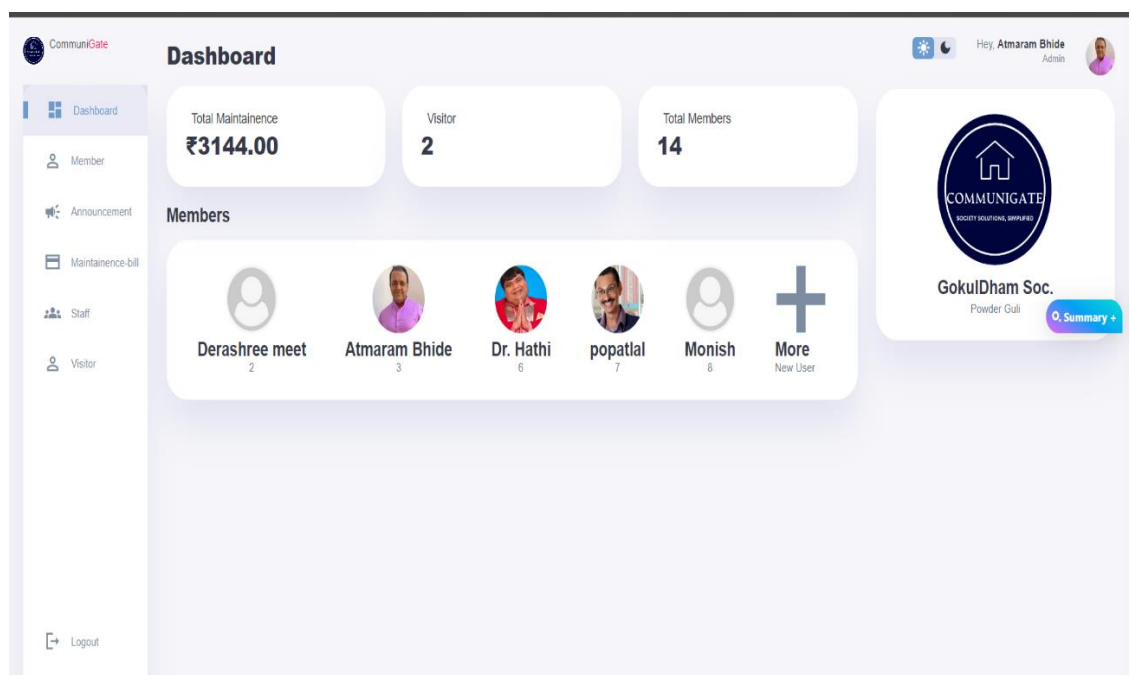
#	Name	Type
1	id 	int(255)
2	name	varchar(255)
3	mno	varchar(255)
4	pstm	varchar(255)
5	date	date
6	isallowed	varchar(255)

## 6.Screen Layout

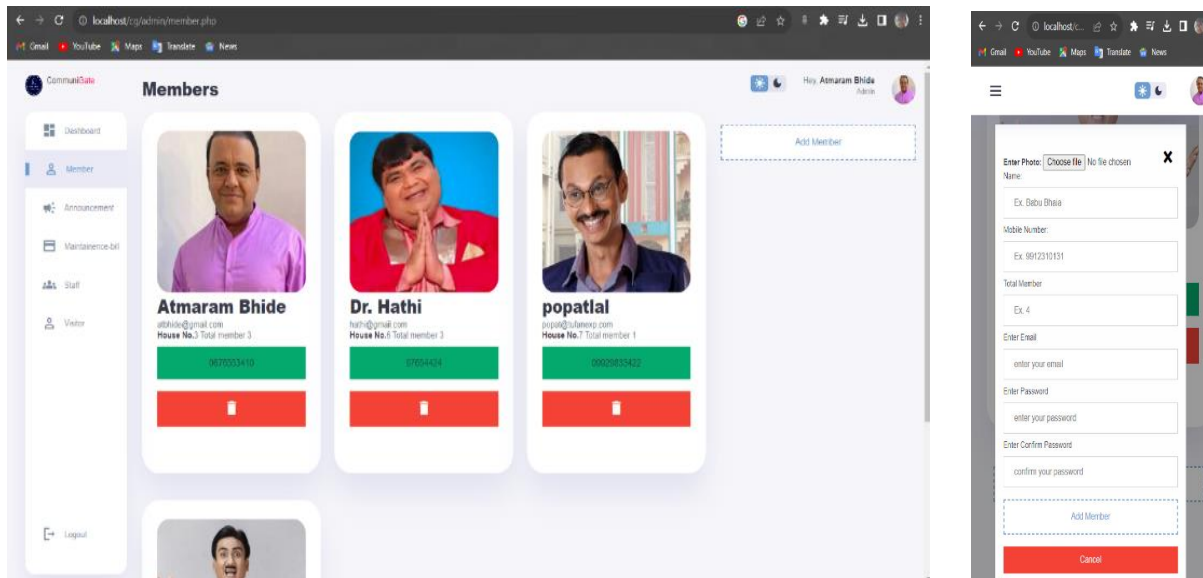
- Admin Panel:
  - Login: This is Login Page



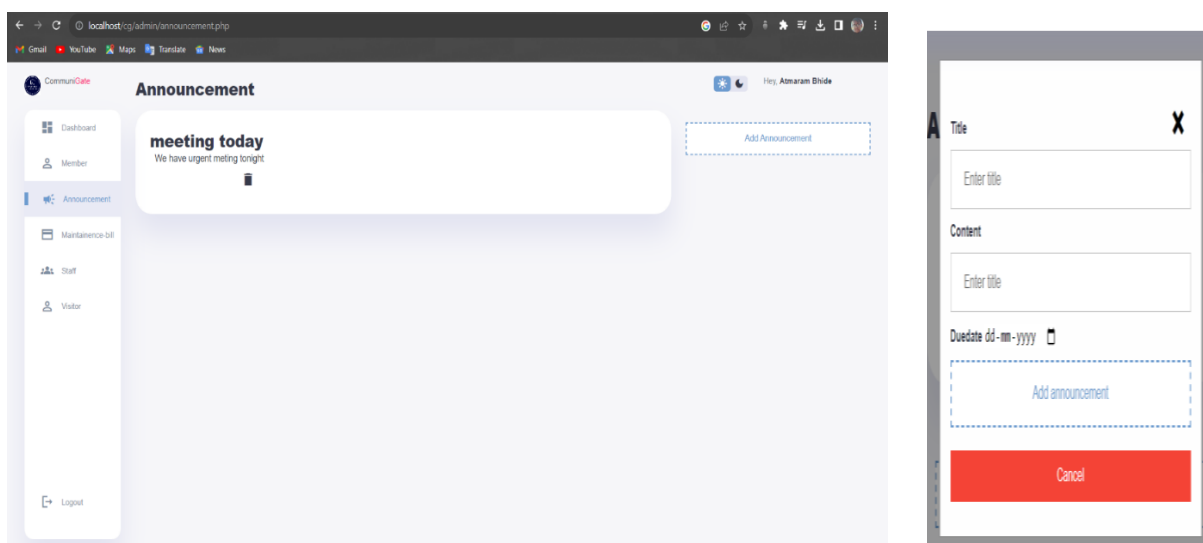
- Dashboard:
  - This Is Dashboard After Admin Login



- Member:  
Admin Can See, Add and Delete All details of Members.



- Announcement:  
Admin Can Add and Delete Announcement



- Maintenance-bill:  
Admin Can Create bill for specific member.

The screenshot shows the 'Maintenance-bill' page in the CommuniGate admin interface. The page features a table with columns: Id, Name, Last Date, Total Amount, and Status. The table contains three rows of data. A 'Create Bill' button is visible next to the first row. To the right, a modal form for creating a bill is shown, with fields for 'Enter Name' (a dropdown menu), 'Water-Bill' (a text input), 'Electricity-Bill' (a text input), and 'Maintenance-Fee' (a text input). The modal also includes a 'Create Bill' button and a 'Cancel' button.

Id	Name	Last Date	Total Amount	Status
1	popatal	2023-10-12	700.00	unpaid
5	Jethalai	2023-10-13	700.00	unpaid
6	Dr. Hathi	2023-10-13	700.00	paid

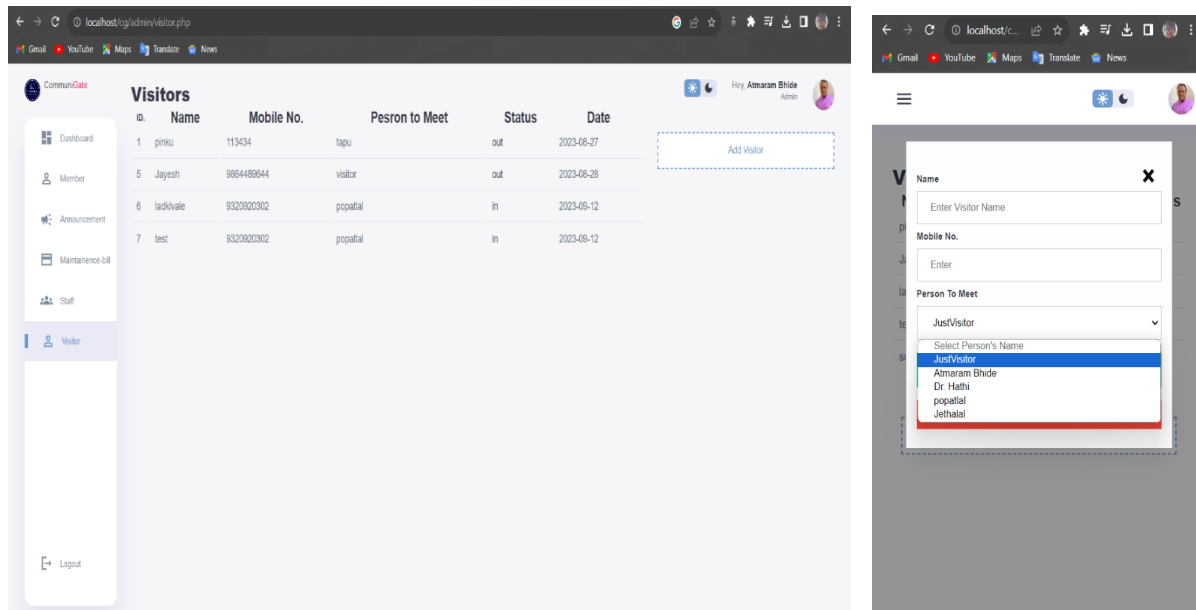
- Staff:  
Admin Can See, Add and Delete details of Staff.

The screenshot shows the 'Staffs' page in the CommuniGate admin interface. The page displays a list of staff members, with one staff member, Abdul, highlighted. The staff member's details are shown, including a photo, name, and a red button. To the right, a modal form for adding a new staff member is shown. The form includes fields for 'Enter Photo' (a file upload button), 'Enter Name' (a text input), 'Mobile No.' (a text input), 'Email' (a text input), 'Password' (a text input), 'Address' (a text input), and 'Profession' (a text input). The modal also includes an 'Add Staff' button and a 'Cancel' button.

○ Visitor:

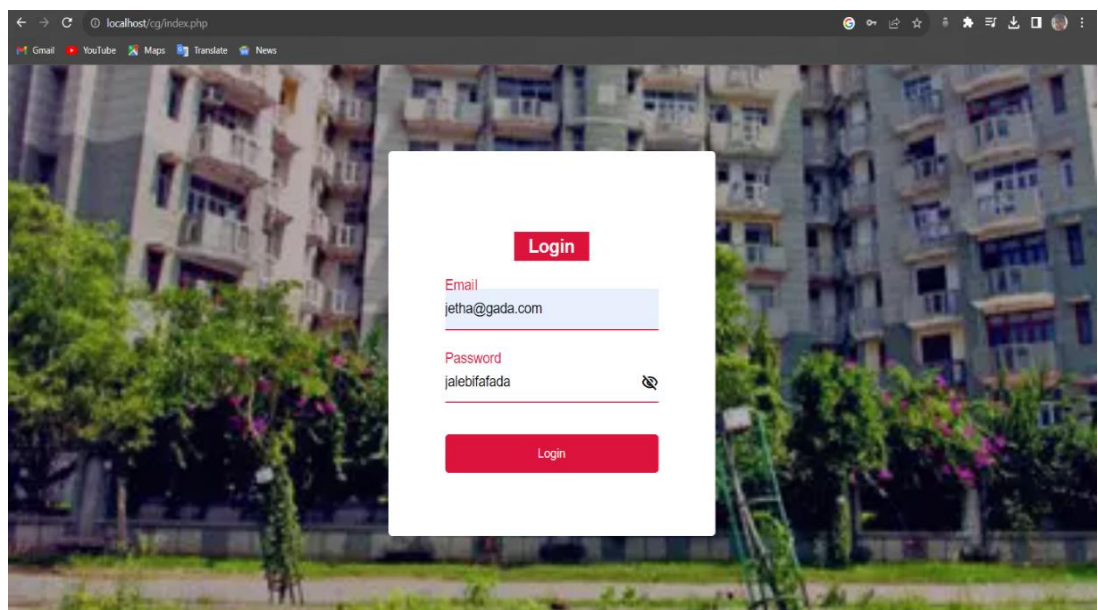
Admin Can See, Add and Update status of visitor.

Visitor could add when the member agrees.

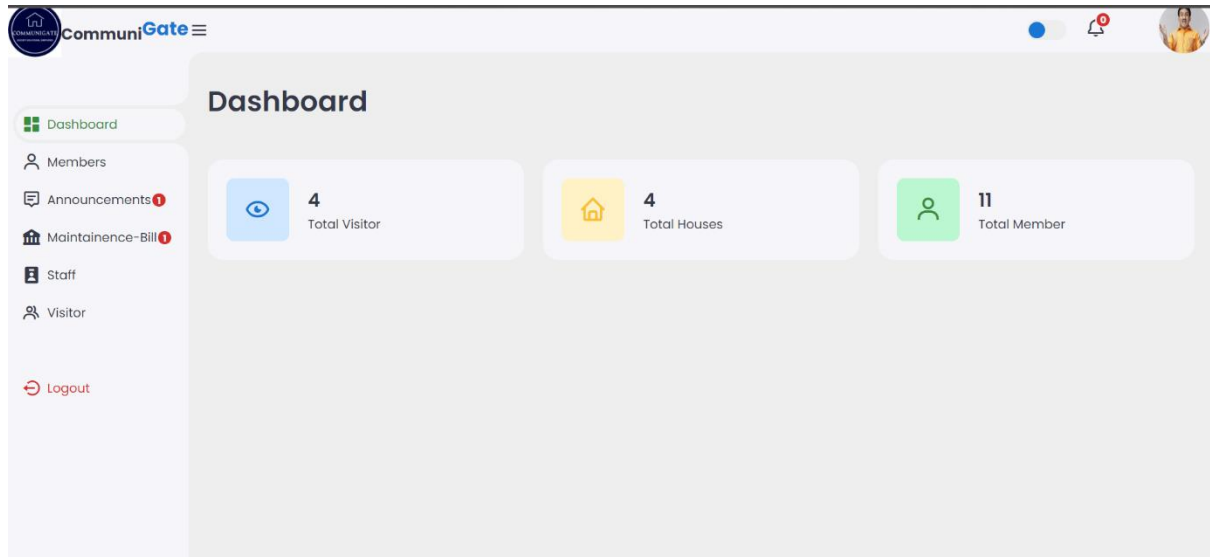


○ User Panel:

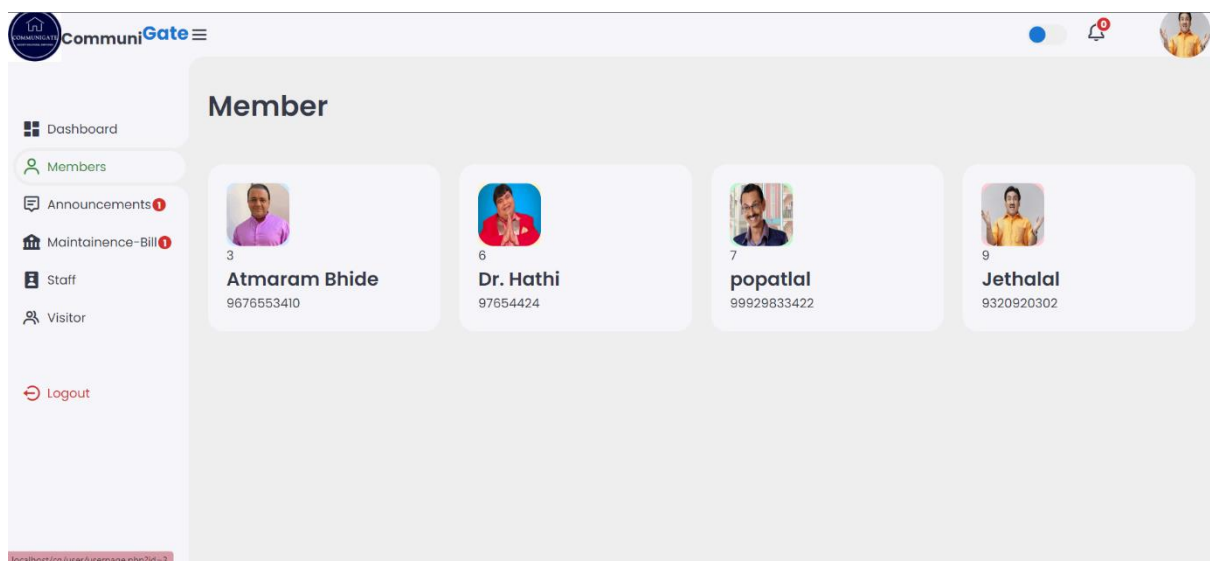
○ Login:



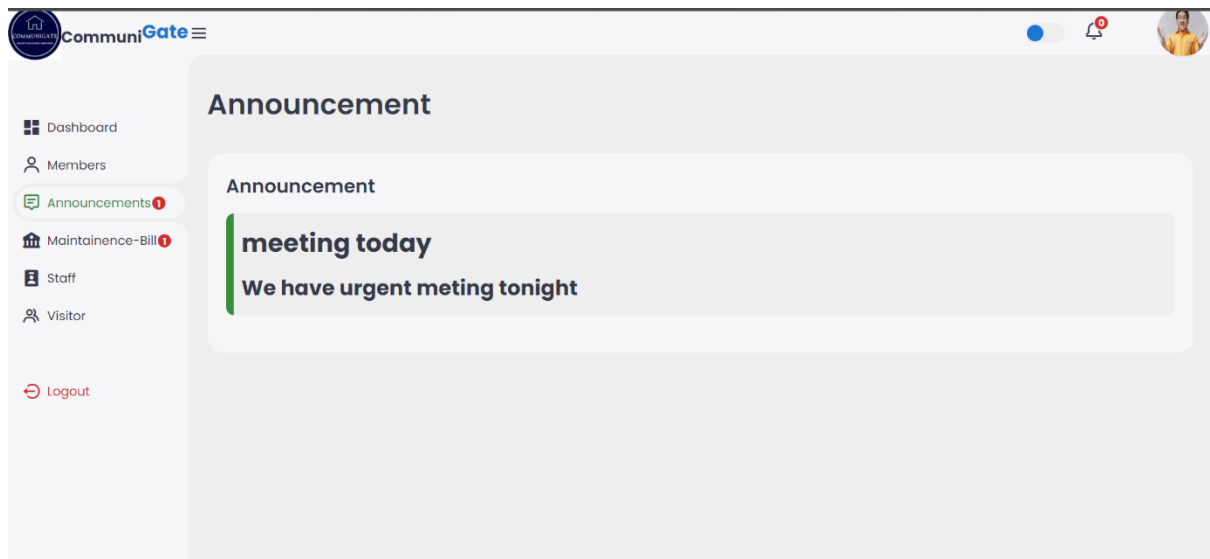
- Dashboard: This is Dashboard of User



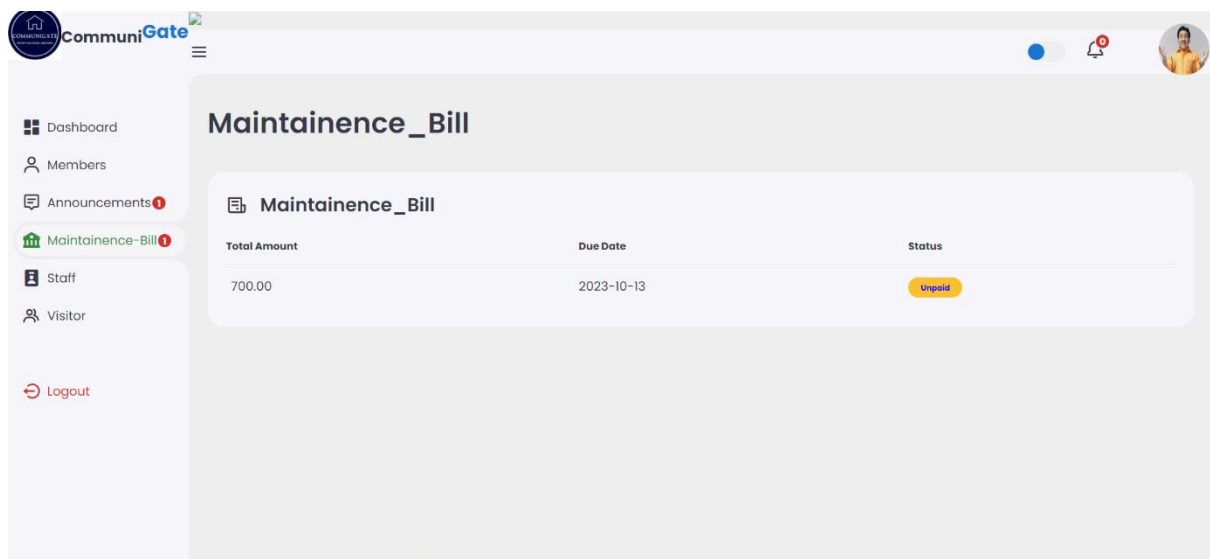
- Member: This is Member Page and User Can See All Details of Specific Member.



- Announcement: User's Announcement Page.



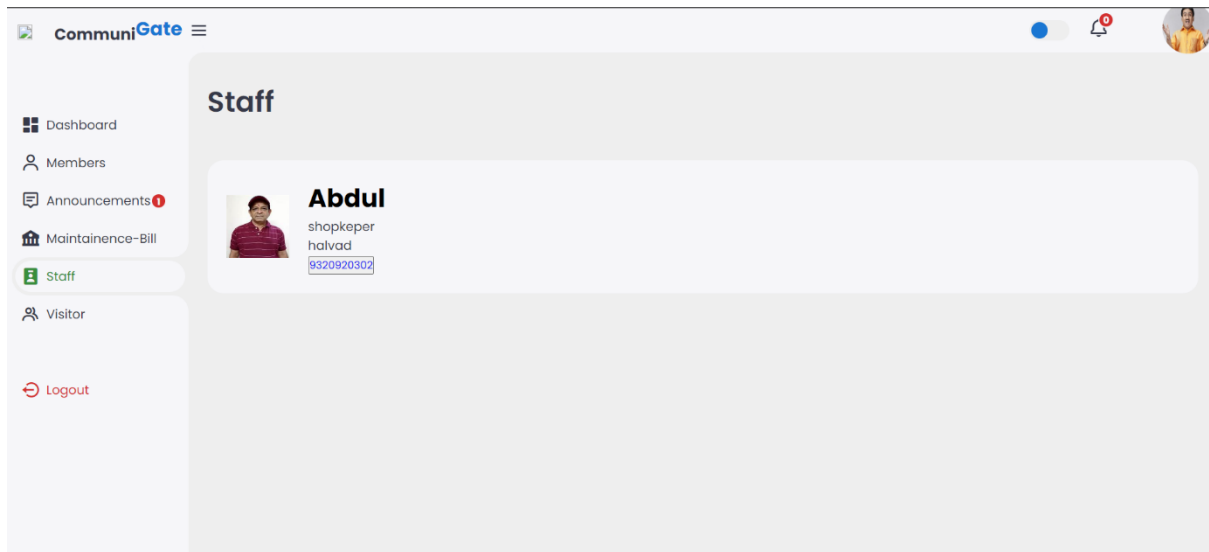
- Maintenance-bill:  
Every user Gets his own Maintenance-bill to pay.



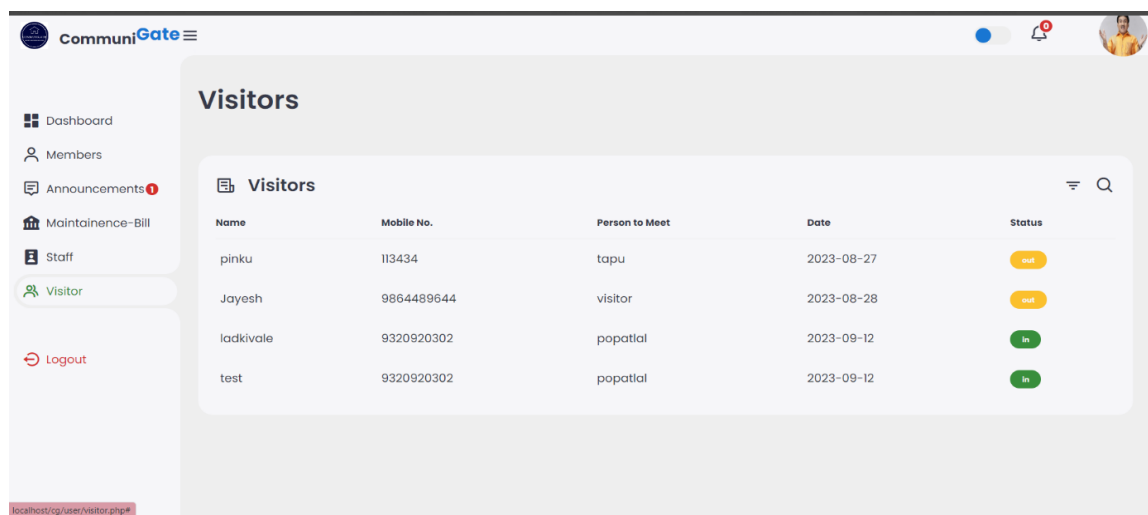
- Payment-Page: This is Payment Page After Clicking



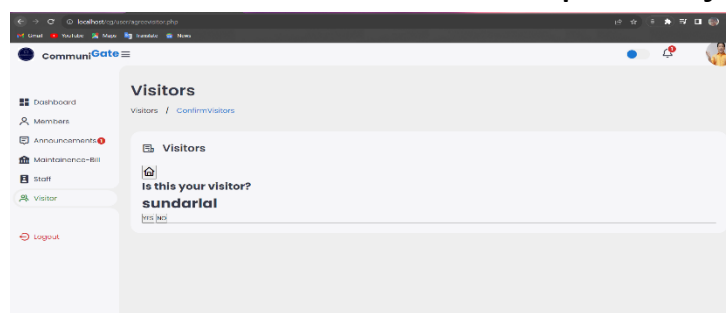
- Staff: User can see and call staff.



- Visitor: As You Can See Notification it is for Visitor for that user



- Accept-Visitor: User can either accept or reject visitor.





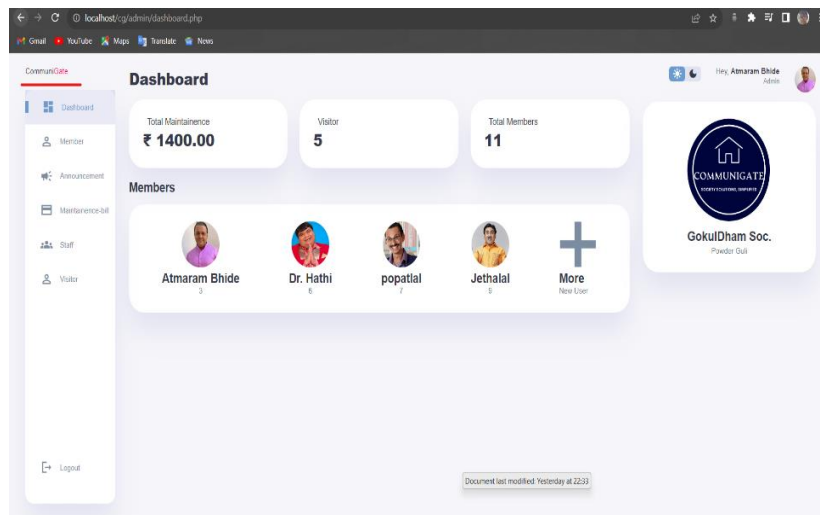
## 7. Software Testing

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- The common view of testing is show that there is no error in a project.
- Verify the whole functionality we provide that properly works or not, such data is inserted in database or not.
- Verify the page-path we set in <a> tag is available or not.
- Verify the image and detail we want shoe to user are displayed or not.
- Check the session is properly works or not.
- Verify the user to work from image not found and details is view.
- Check the validation we put in form are work or not.

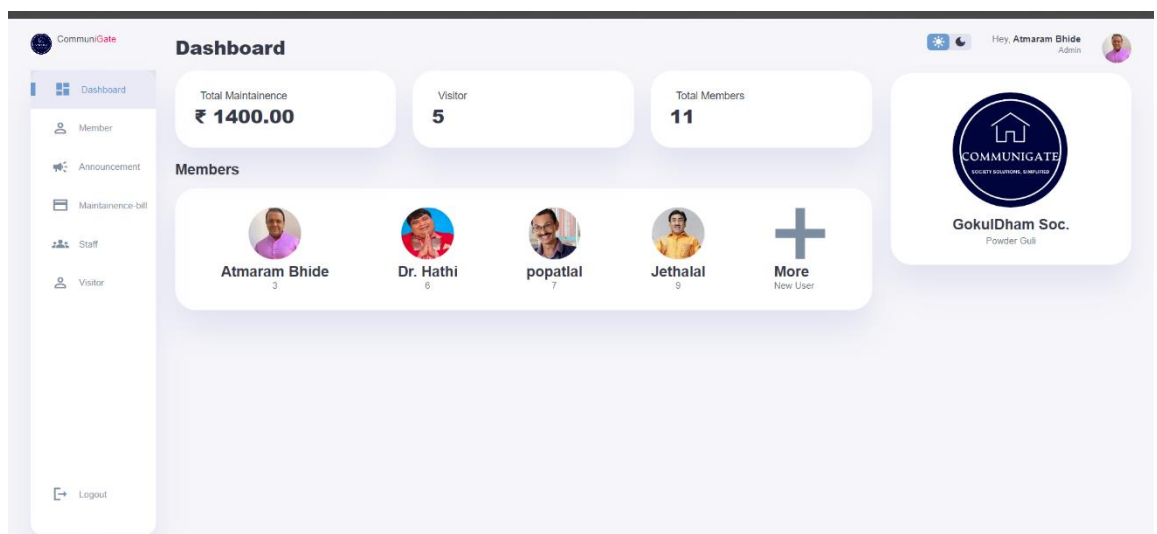
## 🏠 Error Page:

- Our Error in This Page Was at Sidebar the Logo Image was not set:



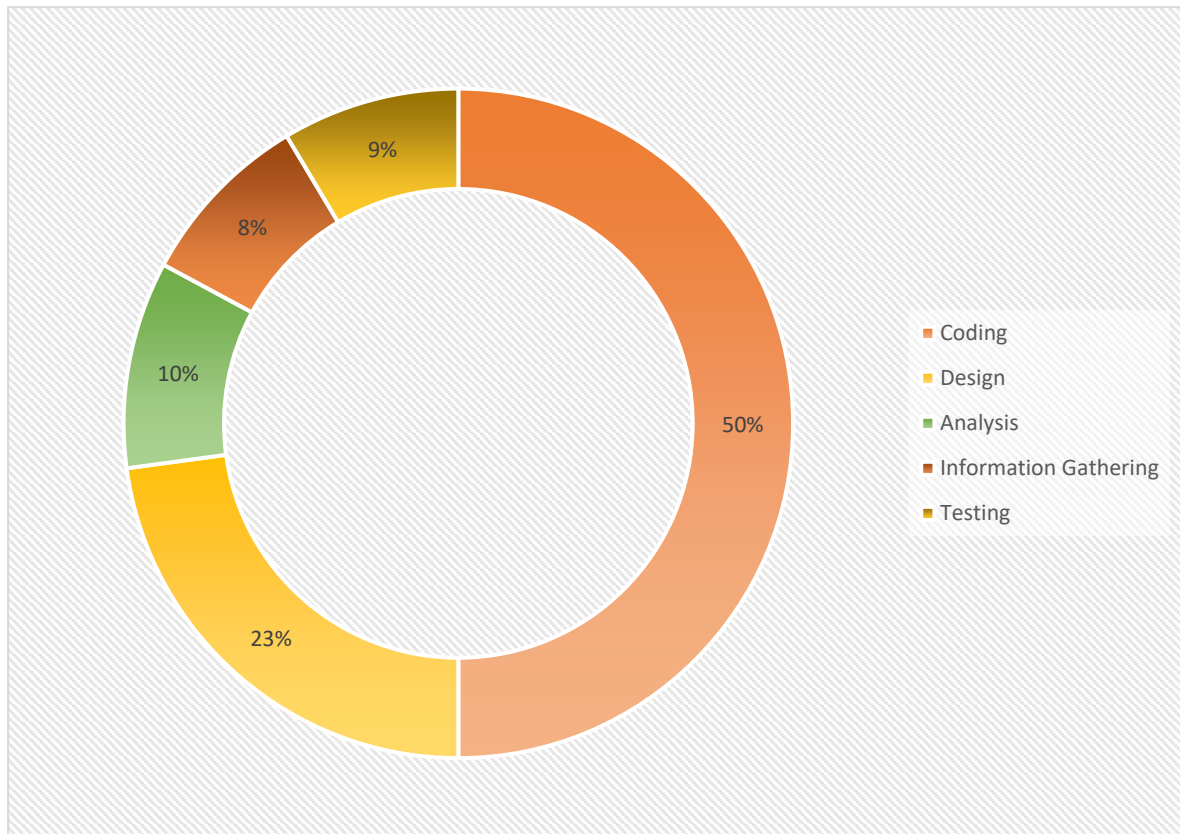
## 🏠 Error-Solving:

We Set Image Tag's Source wrong, And We resolved It by Putting Full Address of Image After That:



## 8.Milestone

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## 9. References:

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- [www.mygate.com](http://www.mygate.com)
- [www.w3schools.com](http://www.w3schools.com)
- [developer.mozilla.org](http://developer.mozilla.org)