

## **THE DOORWAY TO NEIGHBOURHOOD APPLICATION SYSTEM**

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### **ABSTRACT**

The Doorway to Neighbourhood is a web application that allows you to get a complete map of your neighbourhood and interact with people within your apartment group. This website helps to know the type of community, neighbour interest. By using this website, you can make friends of common interest, organize events, invite for events, and keep eye on what your neighbours are up to. The features like society chat and group chat allows users to keep in touch all the time with the neighbours. The voting feature is helpful to users to elect the moderator of his/her choice, so users are ensured to elect a correct person. In short it helps to connect, communicate, and collaborate with people in your apartment group.

### **INTRODUCTION**

In this fast paced world we have become so extremely pre-occupied in earning our livelihood than in our quest for a good quality life. We have simply complicated our lives behind imagination. The Door Way to neighbourhood is an application through which we want to restore the physical connect that our society once had. We want the bond between the neighbours to be as strong as they are the first person who can help you in your time of need. The Door Way to neighbourhood is a website which brings to the table the exclusivity of connecting and interacting within your area. Through this portal you get complete information of your neighbourhood and what are they up to within your locality. It is very rare that people know their neighbourhood well. When people move from one locality to another everything around them seems to be new. It is difficult for a person to get used to his neighbourhood without knowing people in their neighbourhood. The Door Way to Neighbourhood is an

application that bridges people in the neighbourhood. The main idea of the application is to get strange people to know each other and help them in the daily walks of life.

The present situation is completely abstract and people in the neighbourhood can know each other in an entirely broader sense. In the present scenario people can just know who are staying in their neighbourhood and get in touch with each other with general chat, more like a chatting application. Door Way tries to connect people in a more definite manner.

The main goal of this project is to establish a strong communication and good understanding between the neighbours just like physical bonding between neighbours existed in our past life or older generation. The same situation will be simulated with the help of modern technology.

Door Way is an application where people in a neighbourhood can get to know about each other in an effective manner. The main benefits of this application are as follows:

- It provides a different perspective for chatting. This application defines social chatting.
- It provides one to one chatting, closed group chatting and public chatting.
- It provides a process by which people in a particular neighbourhood can elect their Moderator.
- One can also create an event and publish on the application. This event will be notified to all neighbours on the social chatting group.

### **2.LITERATURE SURVEY**

## 2.1 EXISTING SYSTEM

There are existing systems like 'Apartment-Adda' and 'Next-Door'. These applications have features where people belonging to one particular apartment can interact. A neighbourhood can consist of more than one apartment. Hence, people cannot interact or stay in touch with other people in adjacent apartments. The privacy and security of data is not secured.

The main disadvantages of the Existing System are as follows:

- Neighbours cannot elect a moderator among themselves. That is they cannot choose a person who can take initiative in creating events that can be participated by all the people who are on the application.
- There are chat applications that are private to people. No social chat feature exists where neighbors can request or post for help and find events within their locality.
- Users are not ensured with high level data security and privacy.
- Events for people in a particular neighbourhood cannot be created.
- Facilities like 'Handyman', i.e. a way of knowing information of people like

plumber, electrician etc. and car pooling doesn't exist.

## 2.2 PROPOSED SYSTEM

The Doorway is an application that provides an effective way in which people in a neighbourhood can know each other. This application helps a stranger to know about their new locality with ease. Users are provided with a wide range of features where one can not only get into a chat with their neighbours but also actively communicate with them in a much broader sense. This way a stranger can sink into his neighbourhood in no time.

The main advantage of the Door Way application is as follows:

- When there are group of people who are actively communicating with each other, they might require a person who can initiate events amongst them. The Door Way

application provides a way where people in a neighbourhood can elect one such person. He is called a Moderator.

- It provides a social chat option in which a stranger neighbour can get into, on his interest so that he can know the neighbourhood better.
- Users are ensured with high level data security.
- Events for people in a particular neighbourhood can be created.
- Facilities like 'Handyman', i.e. a way of knowing information of people like plumber, electrician etc. and car pooling exists.

## 2.3 FEASIBILITY STUDY

### TECHNICAL FEASIBILITY

The Technical Feasibility deals with the resources that are available to develop the required application in an organization. If the resources are not available, it makes no sense to develop the application. Therefore it is important to check if the resources are available to develop the application. The DoorWay application is technically feasible as all the resources required to develop the application is available. The technology chosen for development is a open source and available to all platforms irrespective of the development platform. Hence the project is technically feasible.

### ECONOMICAL FEASIBILITY

The Economical Feasibility check is done to see if the application yields any monetary profit. If the money invested in developing the application is higher than the profit yielded by the application then it makes no sense in developing the application. After all money is one of the major criteria. The Door Way application is economically feasible. No investment is made for the purchase of the software and hence it is economically feasible.

### LEGAL FEASIBILITY

The proposed system is legally feasible since it does not conflict any data protection or social media law.

### OPERATIONAL FEASIBILITY

The Door Way application meets the requirement specification. One such application is required to get the people in a society know each other better. Since

the Door Way application is also highly secured. The interface developed is comfortable for any novice users. So, the project justifies for operational feasibility.

**2.4 TOOLS AND TECHNOLOGIES USED**

**MACROMEDIA DREAM WEAVER**

Macromedia Dreamweaver is an tool which is mainly used to write or edit html code or other programming language. It also provides a facility like syntax highlighting, auto completion of code, allows you to drag and fix the design layout as developer requires, allows direct viewing live mode how it looks in the browser.

**PHP**

PHP is programming language which is mainly used for server side scripting. But in our project it is used both in combination with html and server side scripting. PHP allows a developer to implement easily by providing a feature like mail function, SMTP configuration and with rich set of functions.

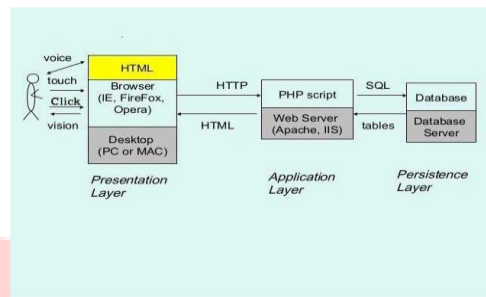
**PHP MY ADMIN**

PhpMyAdmin is an open source tool for managing My Sql over the web. It allows the user to create, update, delete operation on database; table, rows, fields etc execute sql statements, managing users and permissions. It allows import and export the database in various formats like .sql, .csv etc.

**3.SYSTEM DESIGN**

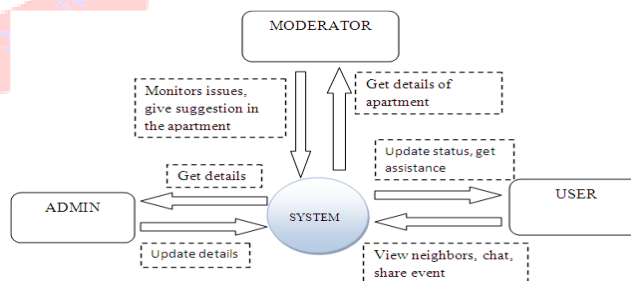
System design is a high level design which gives an idea about what kind of architecture needs to be adopted to develop an application. It also helps to understand context of the application.

**SYSTEM PERSPECTIVE**



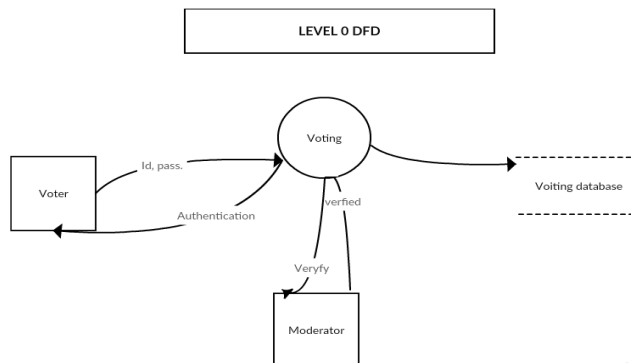
**Fig 4.1 SYSTEM ARCHITECTURE**

**CONTEXT DIAGRAM**



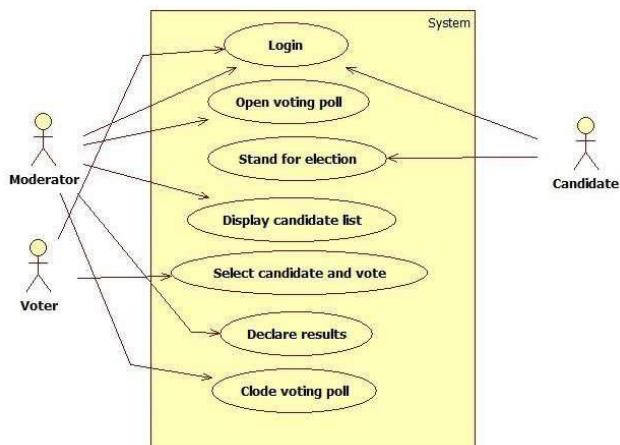
**4 .DETAILED DESIGN**

Detailed design mainly refers to better understanding of the user requirements by the developers. This phase comes after software requirement phase. In this phase designers converts user requirements into detailed design, this may include use case, DFD , sequence, activity diagrams. Detailed design tells the exact working flow, functionality, users involved in the application.



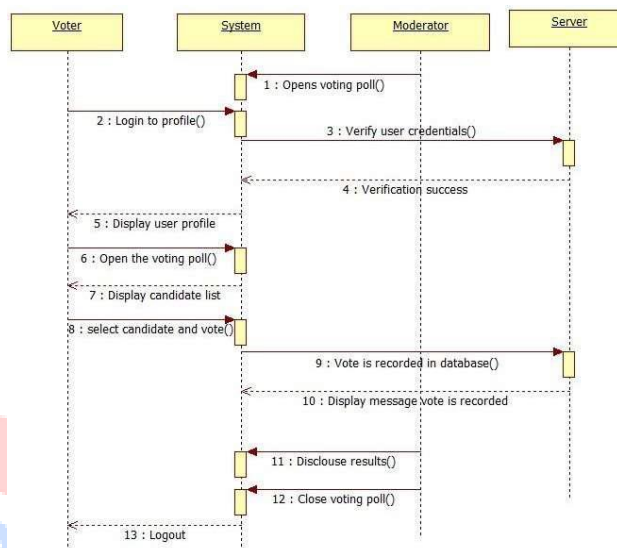
**USE CASE DIAGRAMS**

Use case diagrams mainly focuses on the interaction between actors and the use cases. Use cases can contain many actors according to the system needs. The oval represents use case, arrows represents interaction.

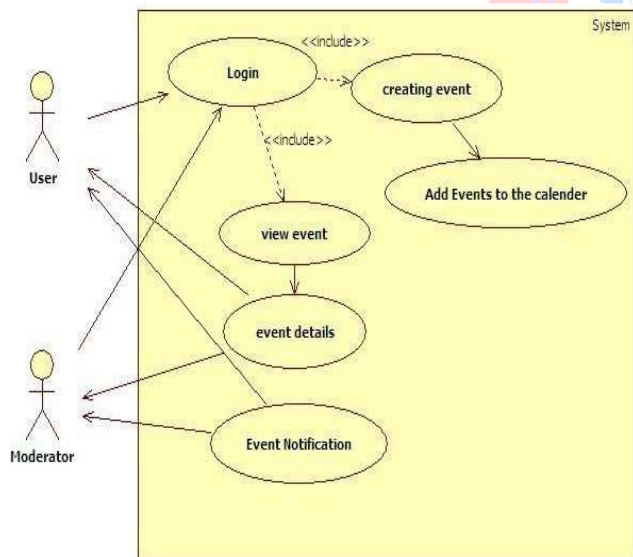


**SEQUENCE DIAGRAMS**

Sequence diagrams are used to represent how activities between object are carried sequentially. It also gives information about lifeline of each object. The rectangle with underline text represents objects, dotted line represents lifeline of object.

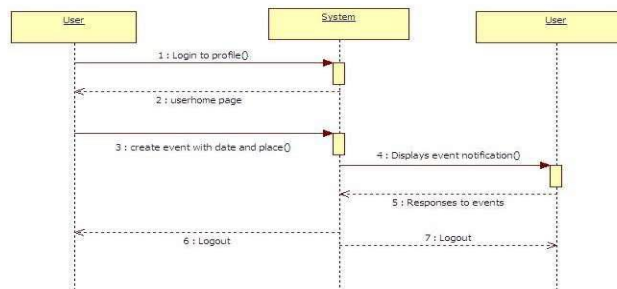


**USECASE DIAGRAM FOR EVENTS**



Users or moderator are allowed to create an event, it includes create, view, update event, invite for event. After the event is created with valid details it will be added to events calendar. When the events are nearing, it will be notified to all the invites with all details.

Here firstly moderator opens polling system, when the user logged in to profile gets notification regarding voting poll system, user then select candidate and vote, the vote internally stored in the database and user gets message regarding vote. After that voting closes moderator discloses results for the new moderator.



When the user login to profile with username and password, if those are valid credentials it gets back the user homepage. In this page user allowed to create event with name of the event, date and place of the event. Once the event is created successfully it is notified to all users. When the events are shown to users they respond to events by clicking going, maybe options.

**RESULT**

You can securely connect to your App Service from the internet using the Application Gateway when you integrate your Application Gateway with App Service behind Private Endpoint. This article will illustrate and provide detailed steps about how to setup an Application Gateway with an App Service behind a Private Endpoint. We will use a test domain and self-signed certificate for the Application Gateway to simulate a live environment. In the diagram below, your client will connect to the application gateway through the public Ip address. The application gateway will connect privately and securely to your App Service application using a private endpoint which is a network interface that uses a private IP address from your private network.

5	Invalid Event date	Date<current system date	Date is not valid	Date is not valid	Pass
6	Place	Empty field	Required Field	Required Field	Pass

**Table 7.1 TEST CASES FOR EVENT CREATION**

SR NO	TEST CASE	INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	RESULT
1	Event Name with null value	Empty field	Required Field	Required Field	Pass
2	Event name with valid input	a-z, A-z, special characters (Fun-Lovers)	No action	No action	Pass
3	Name with invalid input	Fun#lovers	Name should be valid	Name should be valid	Pass
4	Event Date	dd/mm/yyyy	No action	No action	Pass

**CONCLUSION**

The Door Way to Neighbourhood “intends to create a helpful connection service through providing users with a stellar support and information to help them connect with people in the local area. The facility like voting module, chat with society, events creation is definitely a user friendly application which helps to keep acquainted with neighbours. Group chat or chat option also helps better understanding of the neighbours and friends. The voting poll facility gives opportunity to elect a member of his own choice. It makes more sense the neighbour interaction in this era when the human interaction diminishing this application comes as boom to revive it.

I live in a great neighbourhood. It is wonderful because it offers us a lot of facilities. The green park near my house makes the area much more beautiful. Similarly, the swings in the park ensure the kids get to play cheerfully all day long. Moreover, my neighbourhood also has many other bonuses. A grocery store adjacent to the park makes sure people get all their needs fulfilled without having to go far. All my neighbours buy their things from that grocery store only. The owner also lives in the same area so he is very cordial with everyone. The grocery store saves everyone a long trip to the market and also their time. The park in my neighbourhood remains clean at all times. The maintenance team makes sure they clean and sanitize it from time to time. It allows my neighbours to sit and relax in the evenings and take walks in the morning. The clean and fresh air gives everyone a great experience.

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