



## Software Requirements Specification



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## Chapter I

# INTRODUCTION

### 1.1 PROJECT OVERVIEW

People for people. NagorikApps will help people to overcome from different types of difficulties. People who are homeless are most often unable to acquire and maintain regular, safe, secure and adequate housing due to income that is inconsistent or lacking altogether. Every two seconds someone needs blood. Many are not getting blood at the required time due to lack of donors. Both blood donors and needy people will be able to see our posts and help each other. Incomplete and damaged bridges can simply mean death traps. They are not built because they are not visible to Govt. authorities. Posting pictures of the damaged bridges will help the authorities to take notice and actions. The highest number of deaths related to the environment. Garbage is one of the crucial environmental problems. We will take and upload pictures of the dirty environment from certain areas.

Successful events are our identity. NagorikApps is run by area-based volunteers and officials(admin or area admin). The user must have a password and ID to login so that any users can post for help when needed. The user will be able to contact us in case of any difficulty and emergency also. With donations you can also take responsibility or volunteer. We believe that this system will be instrumental to all over the world.

### 1.2 MOTIVATION

\* We work with poor and helpless people and the environment

\* It's an open space where people will talk about their problems and we'll listen



## 1.2 OBJECTIVES

- \* Incomplete and damaged bridges can simply mean death traps
- \* We will take and upload pictures of the dirty environment from certain areas.
- \* Both blood donors and needy people will be able to see our posts and help each other
- \* Help the home less people

## Chapter 2

# REQUIREMENTS GATHERING

## 2.1 ANALYSIS WEBSITES

### Apon Foundation

Alor Pothe Nobojatray (APON) Foundation (literally translated as ‘In the journey towards enlightenment’) is a non-profit, government approved, charitable organisation dedicated towards enlightening and improving the lives of the economically and socially deprived members of the community. At APON (literally translated as ‘warm and friendly’), we aim to provide basic education to child labourers and to create employment opportunities among the underprivileged and disadvantaged sections of the society. In particular, APON seeks to establish an egalitarian society which guarantees basic education, improved health and hygiene to underprivileged children and financial independence and empowerment to their families.





## BASMAH

The right kind of change happens when people are empowered. Our vision is to empower people and enable them to help themselves and their communities. Short-term help is needed but long-term stability is the goal. Basmah Foundation doesn't only bring relief to these people in need. We bring them a solution. Our projects are developed with hope of long-term growth for communities all over Bangladesh so they can become self-sufficient.

Change is hard. If we realized the urgency of the situations that are faced by so many individuals in Bangladesh, we wouldn't hesitate for a second before taking action. Help Basmah Foundation empower the people of Bangladesh today.



**BASMAH**  
*Foundation*

## 1 TK MEAL

In Bangladesh, we throw away an unbelievable amount of perfectly edible food every day. At the same time, a growing number of Bangladeshi find themselves struggling to make ends meet. In the course of a year, around 3.6 million Bangladesh find themselves unable to afford enough food to feed themselves or their families. For more than 1 million of these people, this is not a one-off, but a regular occurrence. The reasons behind this are complicated, but the bottom line isn't – in short: we throw good food away while people go hungry. That doesn't make sense.





## JAAGO.COM.BD

As he sat down to hear their stories, every word they uttered brought him closer to a reality that was a far cry from his life. When it was time to leave, a little girl held on to his hand and asked, "I have nowhere to go. Can I come with you?" He was just 21 year-old at the time. As helplessness flooded him, he knew he couldn't take her with him.

That was a turning point in Korvi's life and that's when he decided that if he was to do something, it would be for the children of Bangladesh. His zeal to actually act for these children led him to found JAAGO Foundation in 2007 with initially just 17 students enrolled. Today, JAAGO has made education accessible for around 2,500 children, set up 13 schools all over Bangladesh and now have a total of 25,000 volunteers as part of the JAAGO family



## **CONCERN WORLDWIDE:**

A world where no-one lives in poverty, fear or oppression; where all have access to a decent standard of living and the opportunities and choices essential to a long, healthy and creative life; a world where everyone is treated with dignity and respect.





After complete our analysis we make a chart

## 2.2 BENCHMARK CHART

Features	BASMAH Foundation	CONCERN worldwide	One Taka Meal	APON Foundation	JAAGO Foundation	Our project
<i>Design</i>	Y	Y	Y	Y	Y	Y
<i>Area</i>	N	Y	N	N	N	Y
<i>Search</i>	N	Y	N	N	N	Y
<i>Area text and Photo upload</i>	N	Y	Y	N	N	Y
<i>Donation</i>	Y	Y	Y	Y	Y	Y
<i>Emergency Contact</i>	Y	Y	Y	Y	Y	Y
<i>About website</i>	Y	Y	Y	Y	Y	Y
<i>Map</i>	N	Y	N	N	Y	Y
<i>Login</i>	N	N	N	N	N	Y
<i>Registration</i>	N	N	N	N	N	Y
<i>Menu bar</i>	Y	Y	Y	Y	Y	Y
<i>Successful event</i>	Y	Y	Y	Y	Y	Y
<i>Share request form</i>	N	Y	N	N	N	Y
<i>Review</i>	Y	N	Y	N	Y	Y
<i>Help organization</i>	Y	Y	Y	Y	N	Y

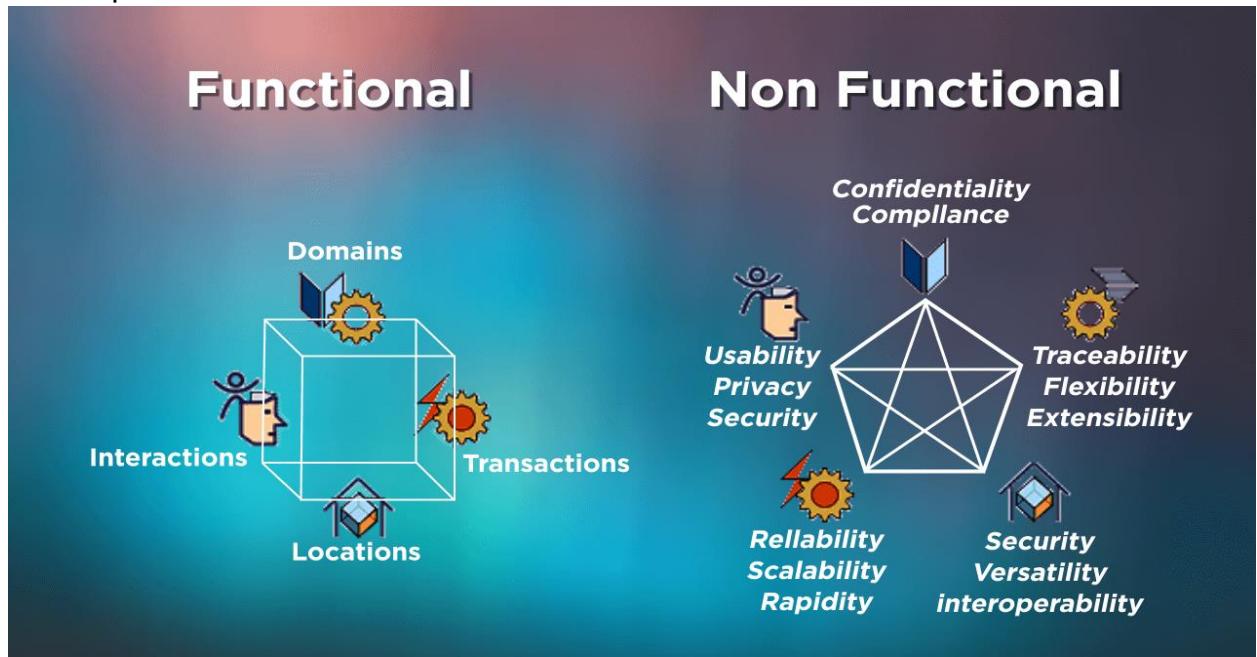


## Chapter 3



### 3.1 FUNCTIONAL REQUIREMENT

- **Donation:** The people can easily help other online and offline donation
- **Emergency Contact:** If anyone needs to emergency contact with us they can easily contact with us
- **Registration:** If they want to get a membership and post their problem they can easily registration and get membership
- **Successful Event:** If anyone wants to see our success they can easily see.
- **Share Request form:** If anyone want to share their problem they can share with us by fill up a form
- **Review:** Any one can give the review
- **Help Organization:** We have some organization to particular areas. So people can help from them





### 3.2 NON FUNCTIONAL REQUIREMENT:

- There is no restriction on the number of the users to be added to the database
- NagorikApps application is a web-based application, so internet connection must be established
- Front End Design: HTML, CSS Javascript, php
- Mid layer : php
- Back end: apache,mysql
- Mobile apps and website
- Data protection lost prevention feature from Cloud Service Provider

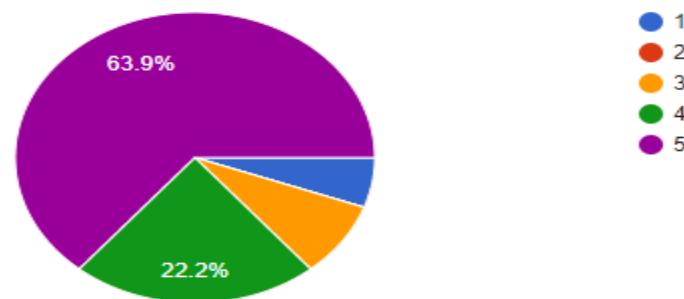
## Chapter 4

# FEASIBILITY ANALYSIS

### 4.1 GOOGLE SURVEY FORM

How easy is it to use overall?

36 responses



Ques-2

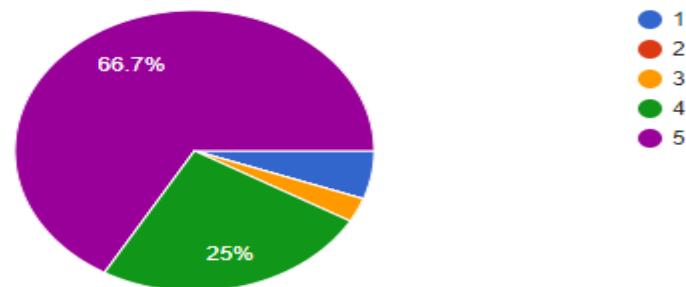


## United International University

QUEST FOR EXCELLENCE

The share request form use easy system?

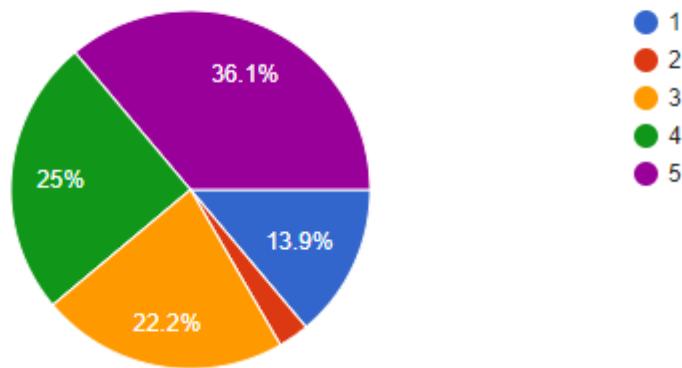
36 responses



Ques-3

Share Request form is time consume for upload post?

36 responses



Ques-4

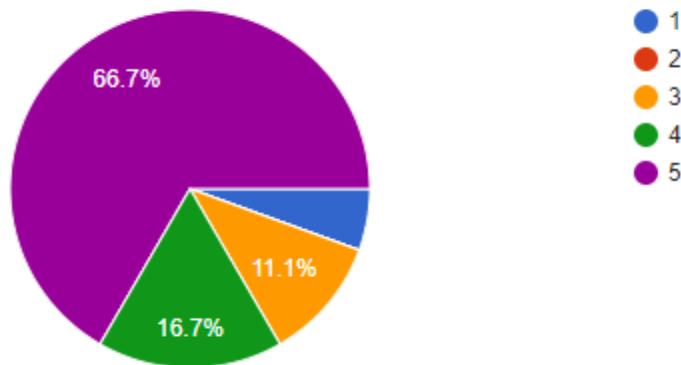


## United International University

QUEST FOR EXCELLENCE

How much Blood donator member process easy?

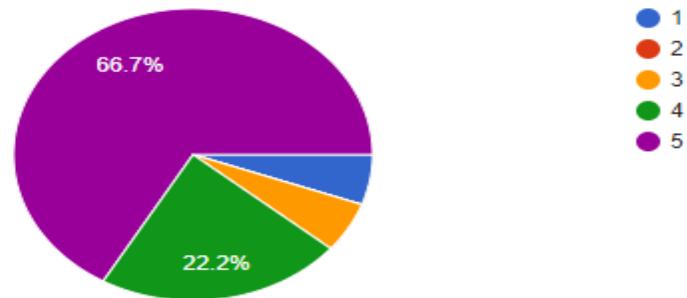
36 responses



Ques-5

Your satisfaction rate about Blood Donation process

36 responses



Ques-6

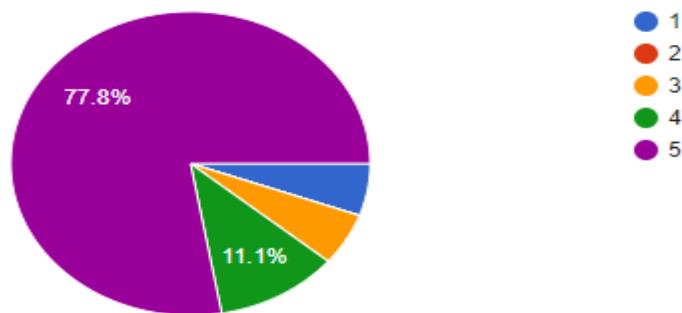


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QUEST FOR EXCELLENCE

The way of money donation is easy?

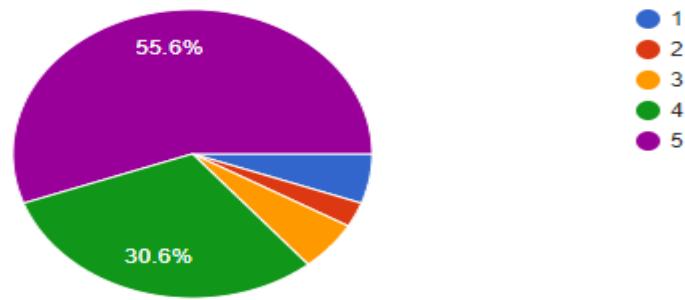
36 responses



Ques-7

Your Donation page satisfaction

36 responses

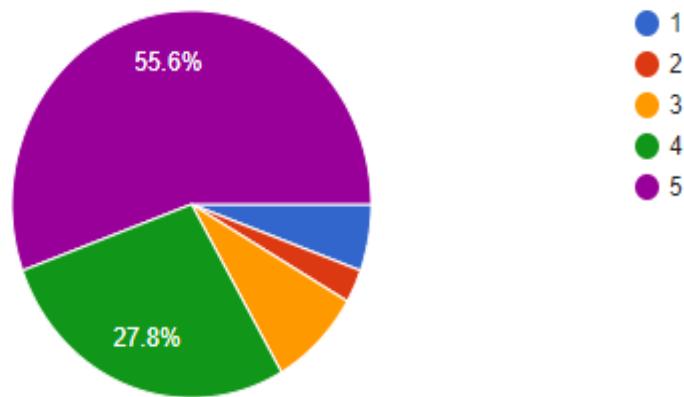


Ques-8



How much interesting the page of review?\*

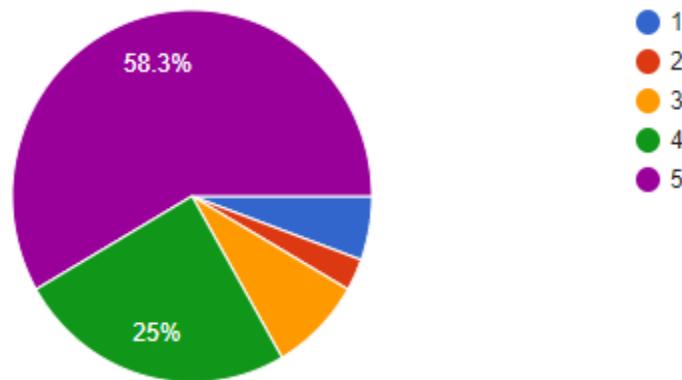
36 responses



Ques-9

Is this review way is easy?

36 responses





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Have we need any improvement about our website?

36 responses

No

No it's ok

Yes

Skip

no

More easy to share problem

Yes, Little bit

Yes..

It's pretty good. But you can work with your frontend in future.

Overall good

Nothing

Skip

Yes.

Excellent

Yea they can

All operation should be made very fast.

Need some updates



## United International University

QUEST FOR EXCELLENCE

Have we need any improvement about our website?

36 responses

No

No it's ok

Yes

Skip

no

More easy to share problem

Yes, Little bit

Yes..

It's pretty good. But you can work with your frontend in future.

Overall good

Nothing

Skip

Yes.

Excellent

Yea they can

All operation should be made very fast.

Need some updates



## 4.2 FEASIBILITY ANALYSIS SURVEY TABLE

### Feasibility Analysis Survey Table:

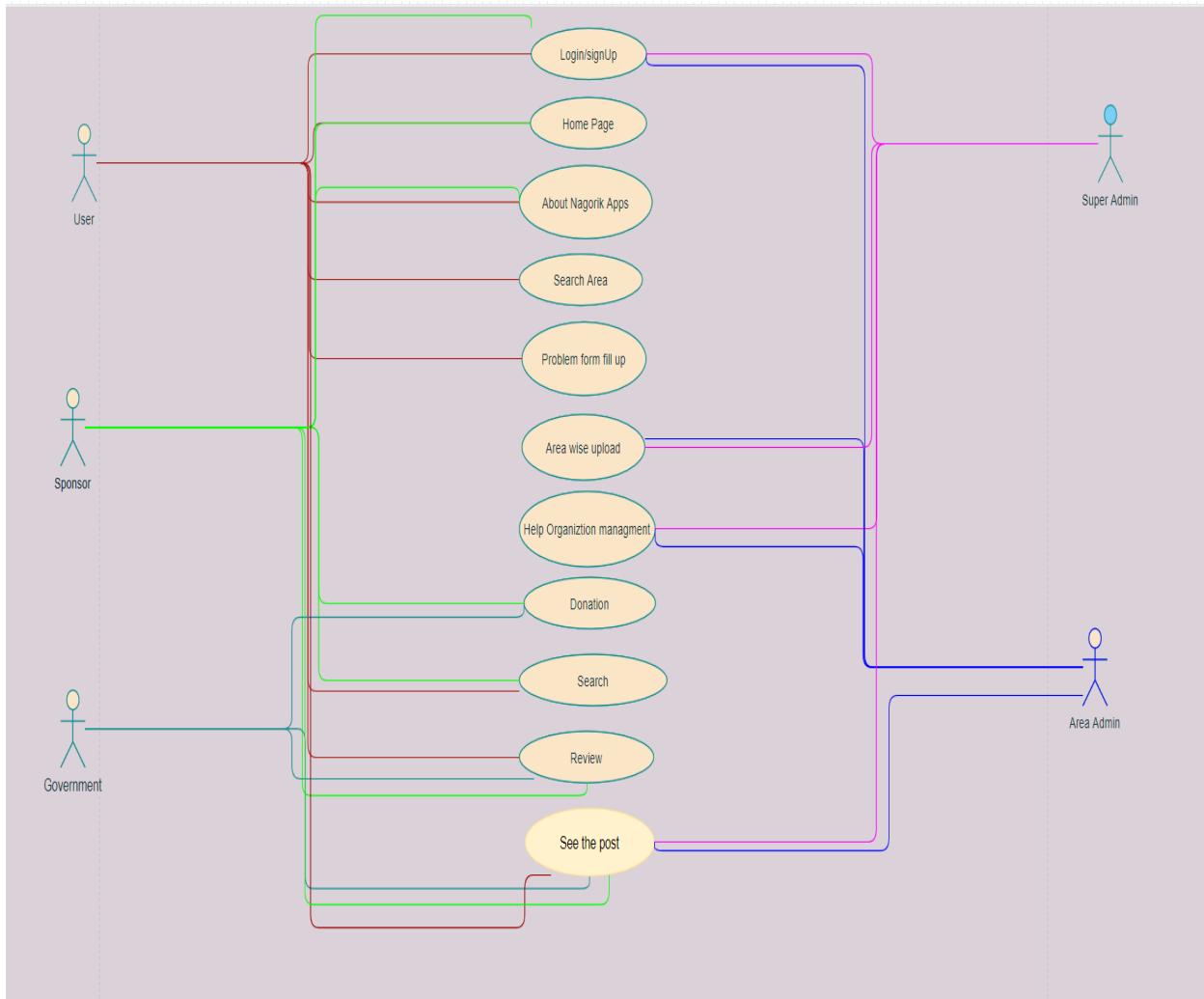
Questions	Agree	Disagree	Feasible?	Useable
<b>How easy is it to use overall?</b>	64.9%	5.4%	YES	YES
<b>The share request form use easy system?</b>	67.6%	2.7%	YES	YES
<b>Share Request form is time consume for upload post?</b>	37.8%	2.7%	NO	YES
<b>How much Blood donator member process easy?</b>	67.6%	5.4%	YES	YES
<b>Your satisfaction rate about Blood Donation process</b>	67.6%	5.4%	YES	YES
<b>The way of money donation is easy?</b>	78.4%	5.4%	YES	YES
<b>Your Donation page of satisfaction?</b>	54.1%	2.7%	YES	YES
<b>How much interesting the page of review?</b>	56.8%	2.7%	YES	YES
<b>Is this review way is easy?</b>	56.8%	2.7%	YES	YES



## Chapter 5

# UML DIAGRAMS

## 5.1 Use Case Diagram



### 5.1.1 Use Case Descriptive Form

Use case 01: Status Upload

Primary Actor: Users

Stake Holders & Interest:



- User: Wants to get successfully status uploaded in the website.
- Area Admin: Confirm to verify about user problem.
- Admin: Needs to make sure that all stakeholders has the user name and password in order to login into the system.
- **Pre-Condition:**

- 1.The user should be a authorized user of Nagorik Apps.
- 2.User should know the username and password for login in.

- **Post-Condition:**

  - 1.The uploaded status remains even when the user logout.
  - 2.The changes are made in the database.
  - 3.The user can see the uploaded status his/her in own area.

#### Main success scenario:

- User goes to the website.
- User logs into the system using the username and password.
- User navigates to the “uploaded status” page from the “home Page”.
- Fill in the request form for upload the problem.
- Area admin verify and uploaded status in website.

#### Alternative Scenario:

- \*a. The system may not respond .  
Solution: Wait for the system to respond.
- 4a. User may not find the posting option in the place.  
Solution: User needs to contact the admin.

#### Issues:



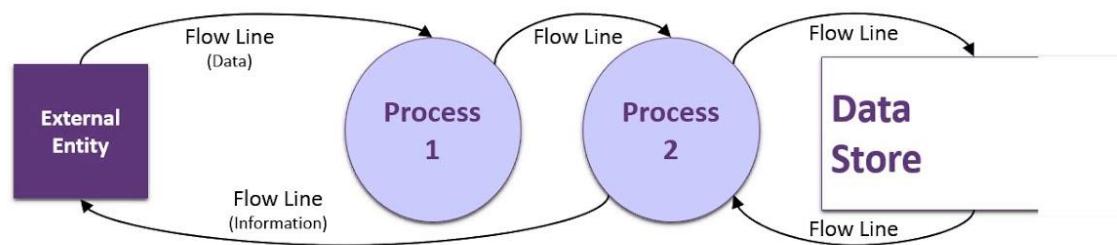
If the username or password is not correct. Error message will be shown.

## 5.2 DATA FLOW DIAGRAM



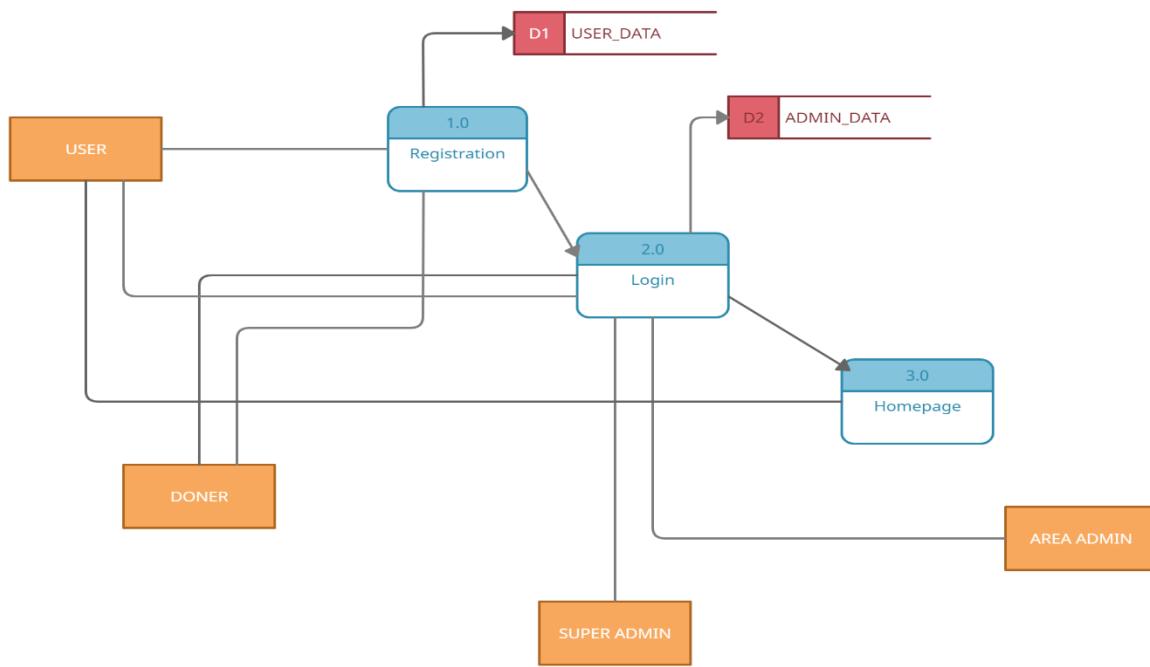
## Data Flow Diagram (DFD)

Data flow diagrams are also used to model information systems. They provide greater detail than a context diagram as they display each process involved within the information system as an individual circle, meaning the end result will contain multiple circles / processes. A DFD also has a shape for data stores to represent where data is sent and retrieved from, such as a specific database. Data stores are represented as a three sided rectangle shape.

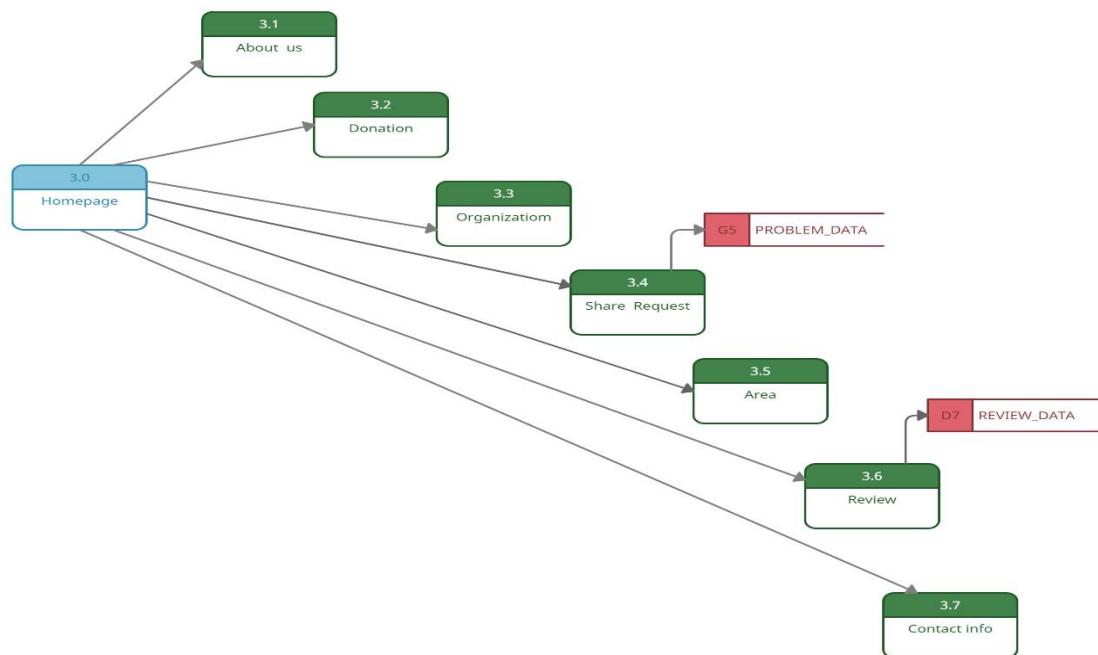




## Level 0



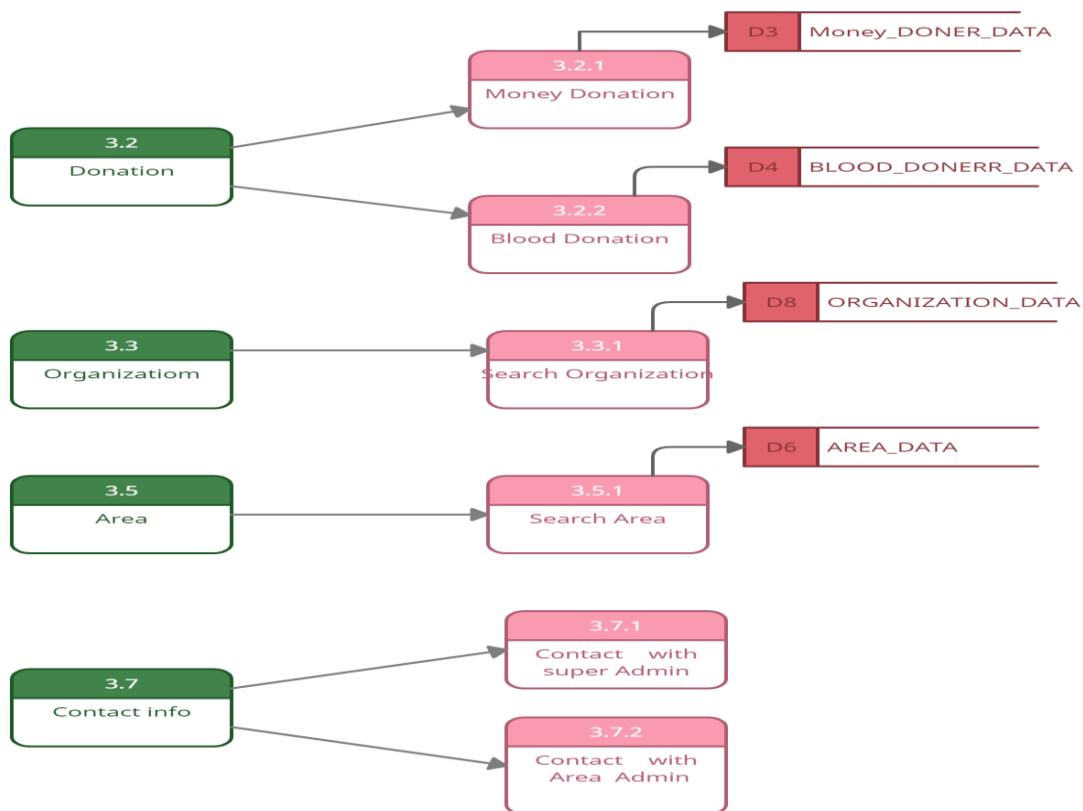
## Level 1

**Level 2**

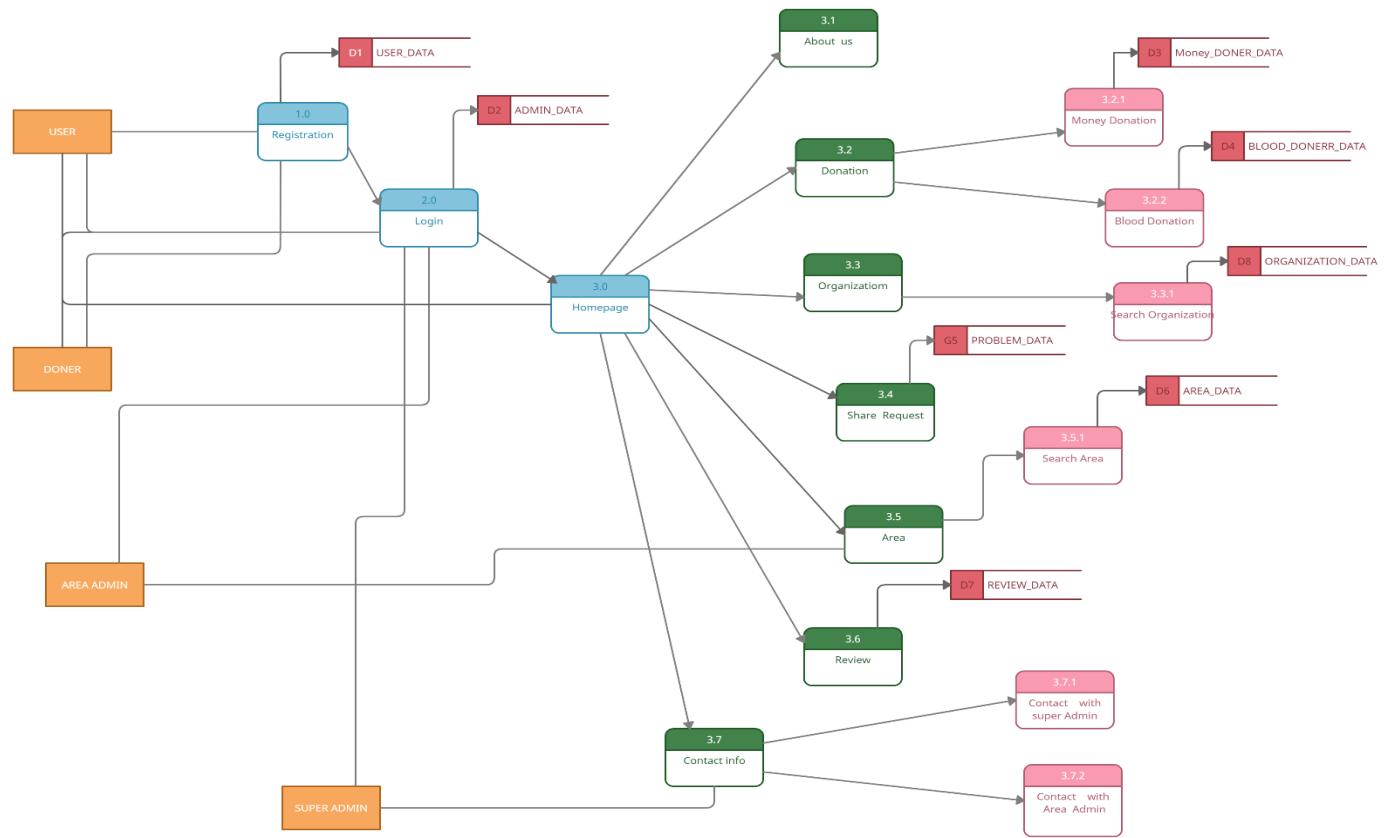


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Data flow Diagram



## 5.3 ACTIVITY DIAGRAM



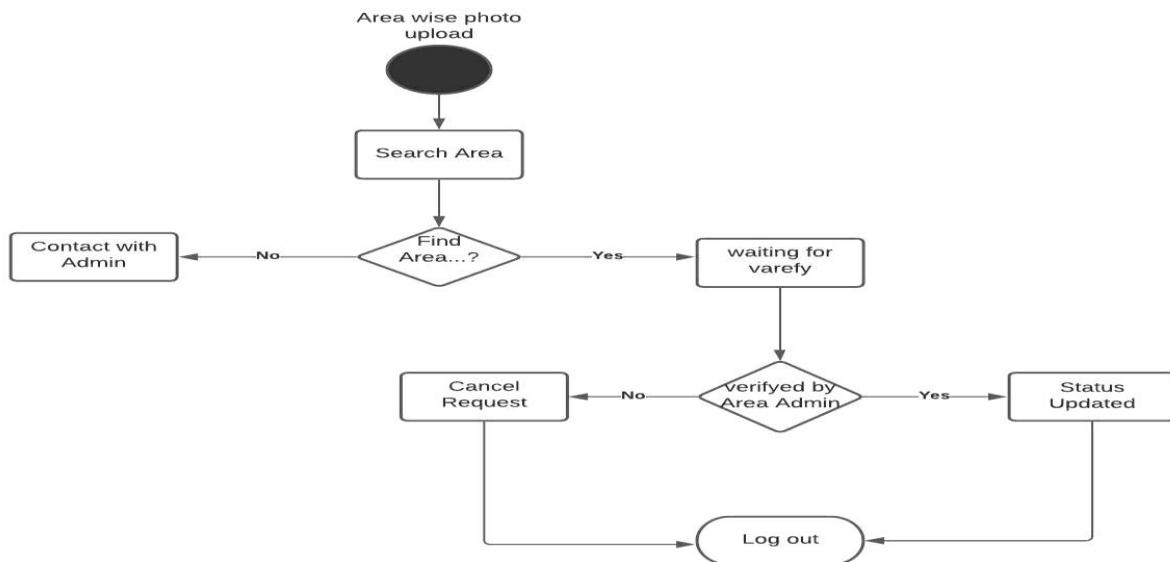
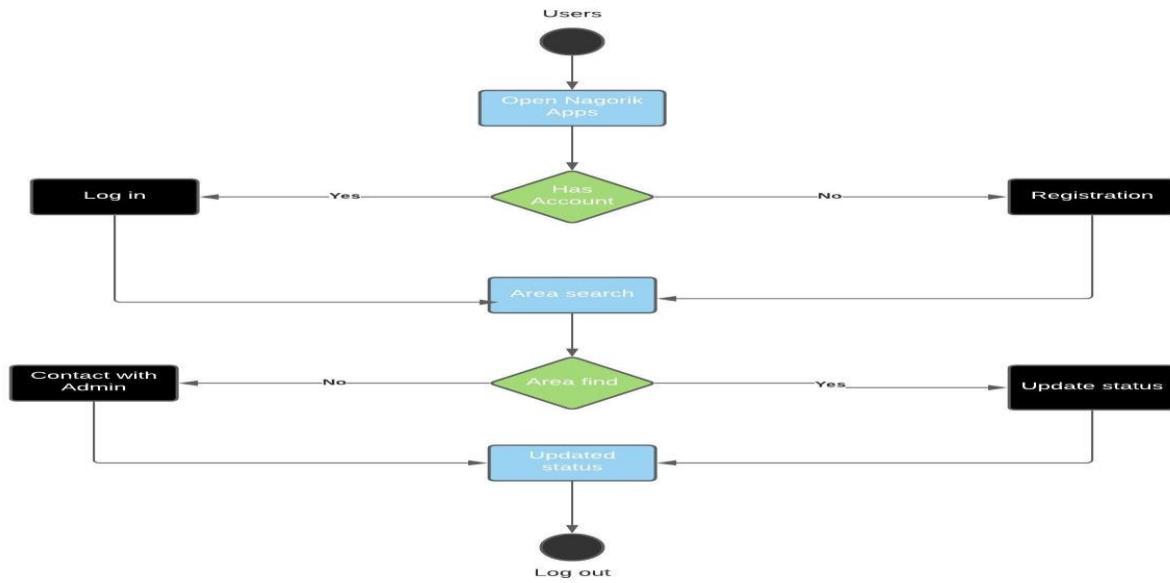
## Activity Diagram





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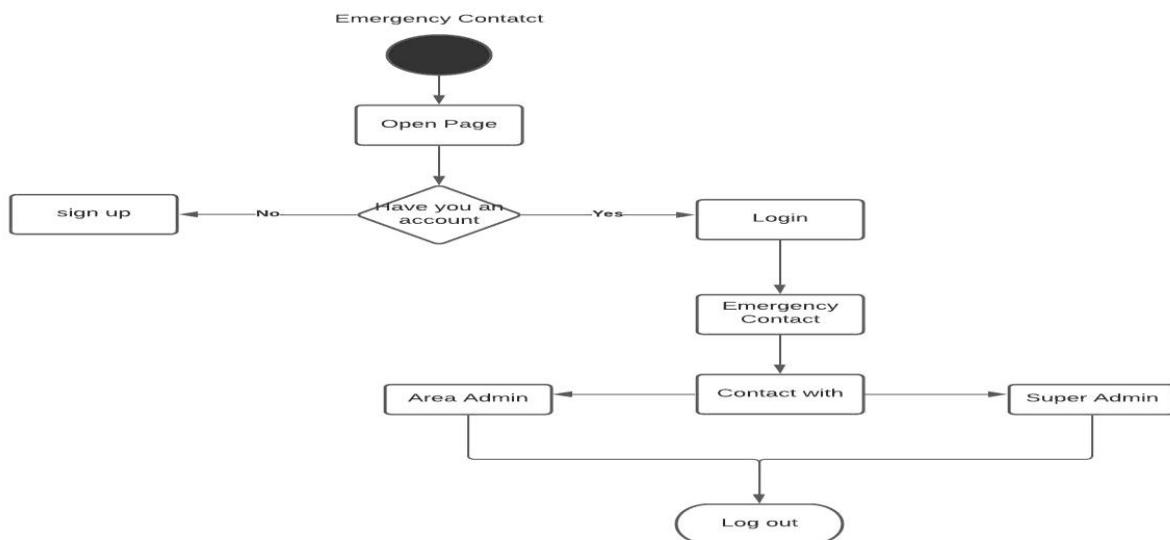
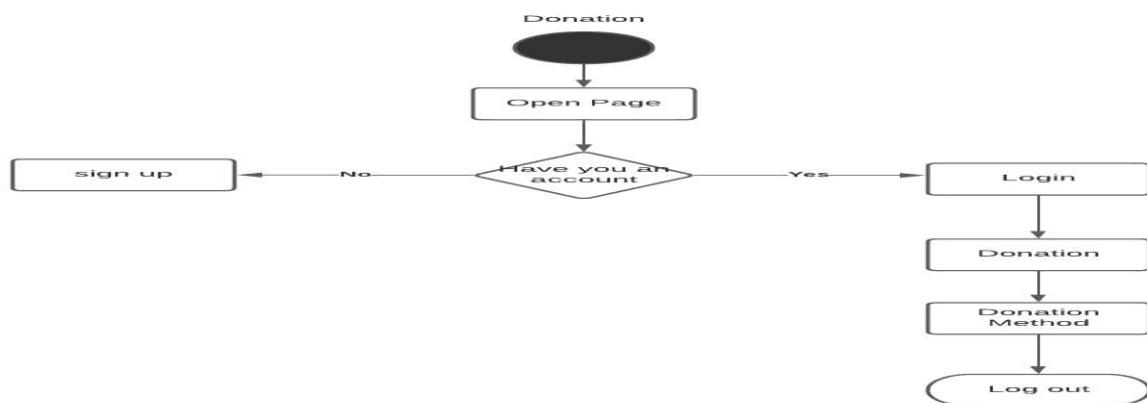
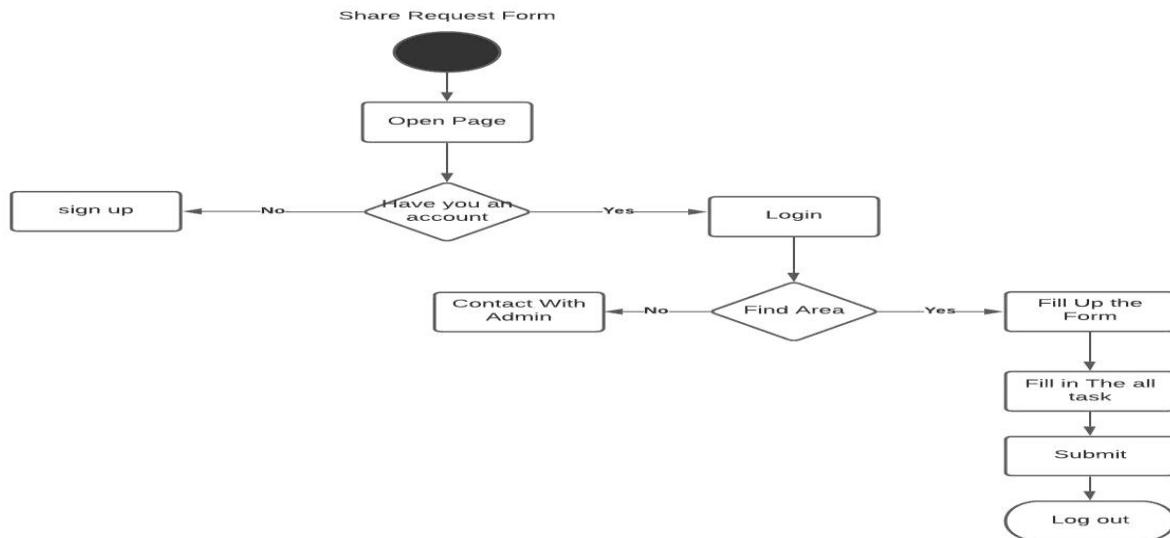
QUEST FOR EXCELLENCE





## United International University

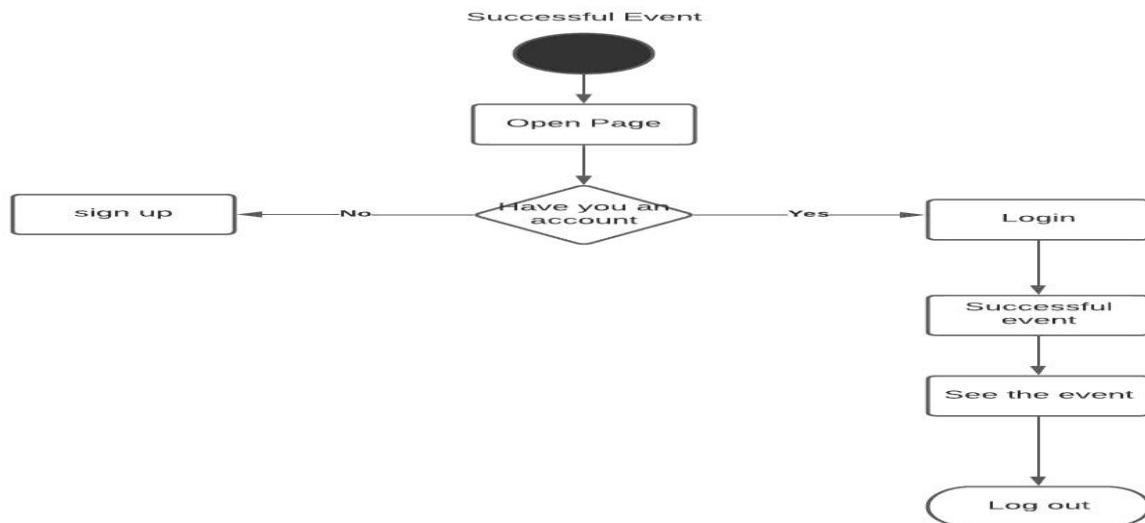
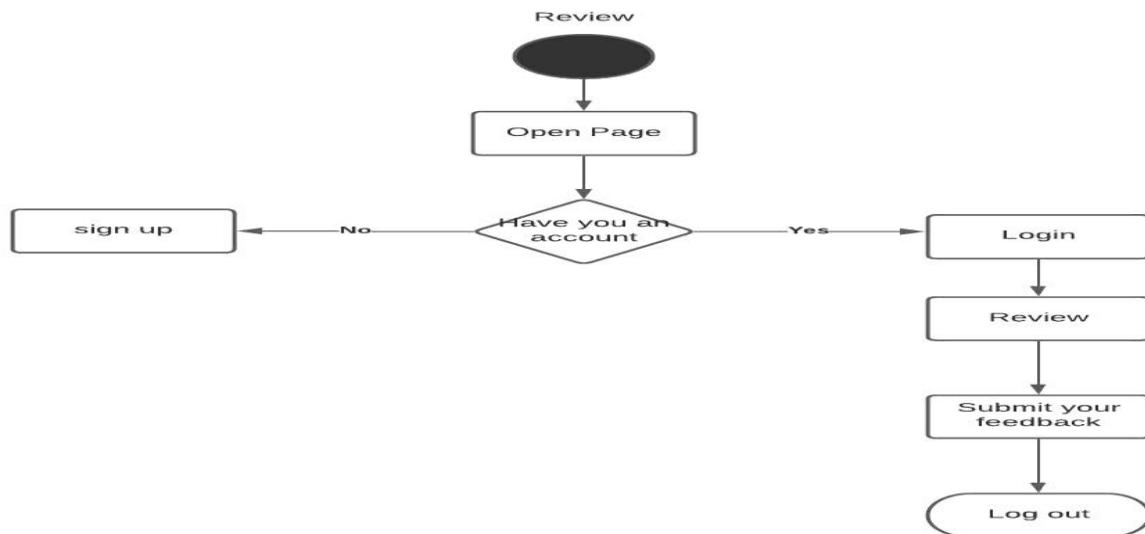
*QUEST FOR EXCELLENCE*





## United International University

*QUEST FOR EXCELLENCE*

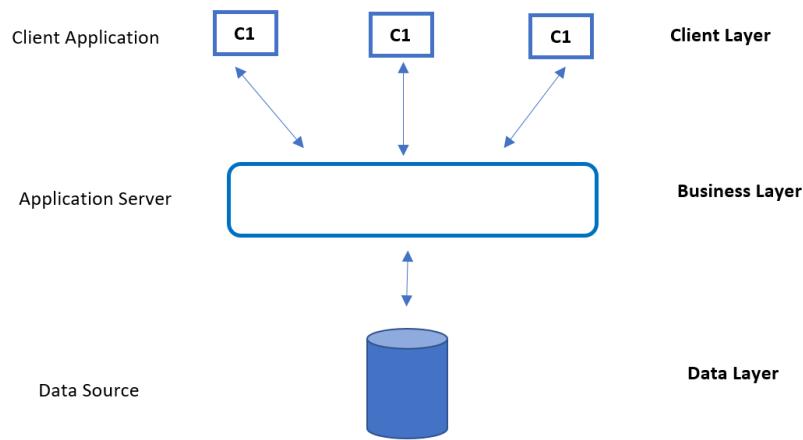




## 5.4 ARCHITECTURE

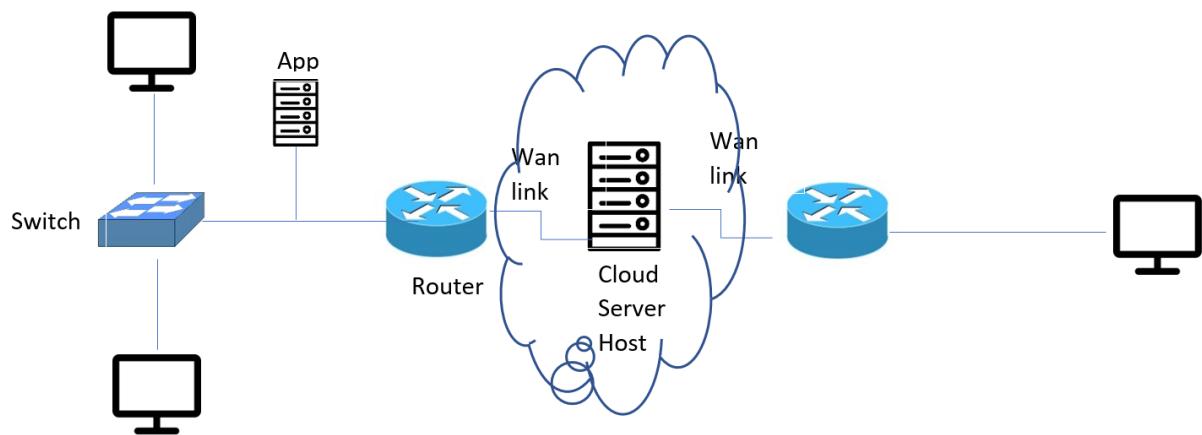
### ARCHITECTURE

#### WEB BASED APPLICATION



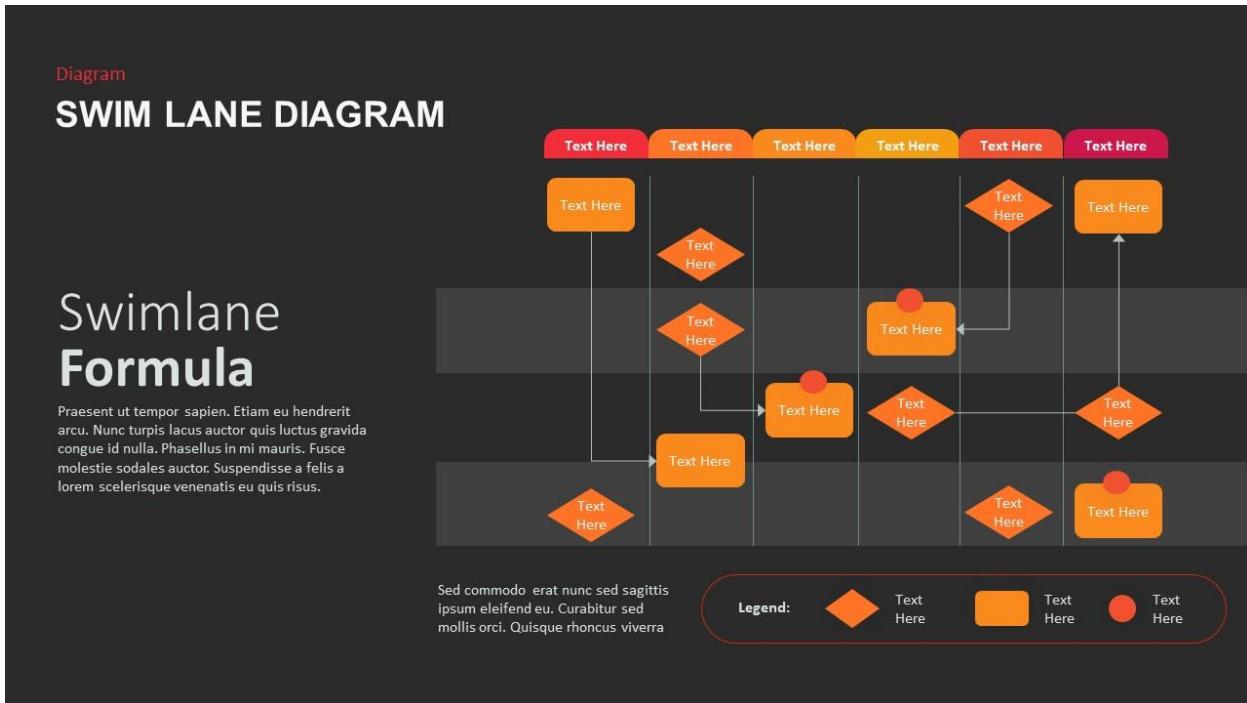
#### WEB BASED APPLICATION

#### NETWORK ARCHITECTURE



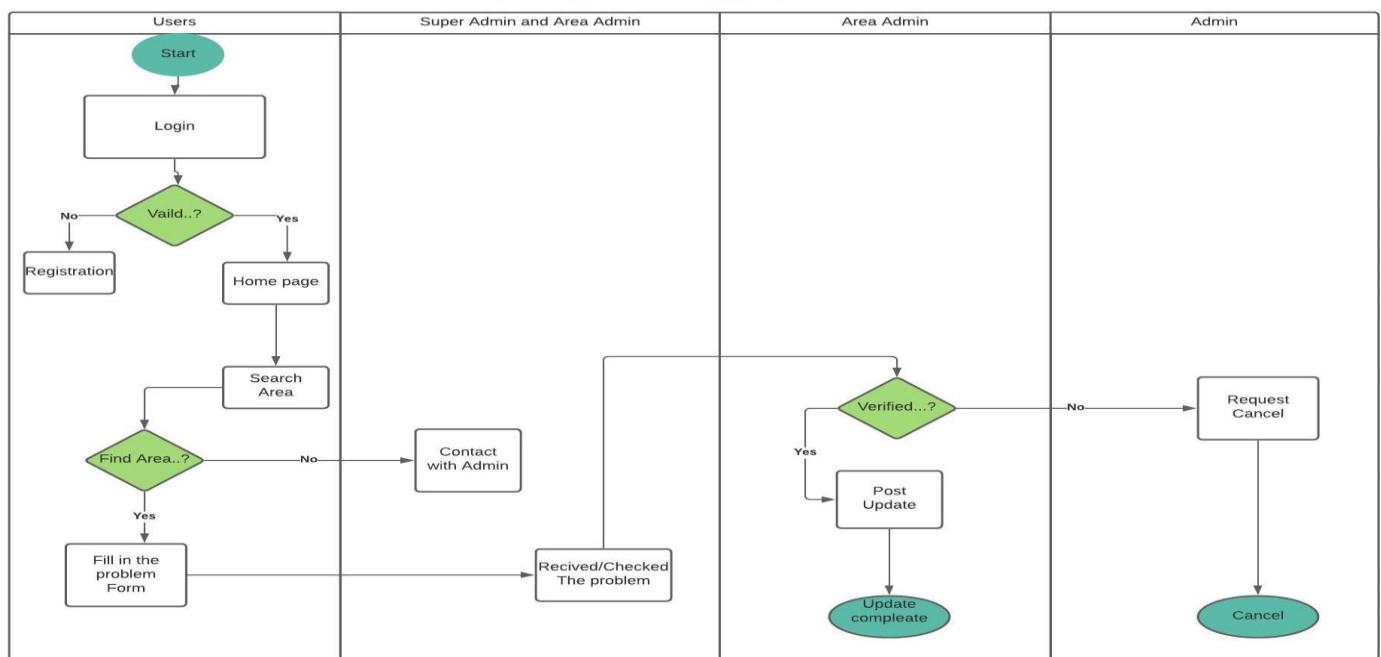


## 5.5 SWIM LANE DIAGRAM

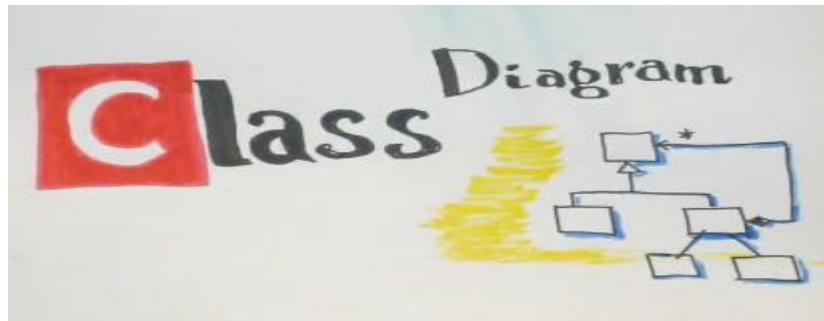




### Nagorik Apps



### 5.6 CLASS DIAGRAM



### WHAT IS CLASS?

Class are a blueprint or a set of instructions to build a specific type of object. It is a basic concept of Object-Oriented Programming.

### WHAT IS ATTRIBUTE?

Attribute represents the structure or the information of a class. It can be identified by any of these three ways

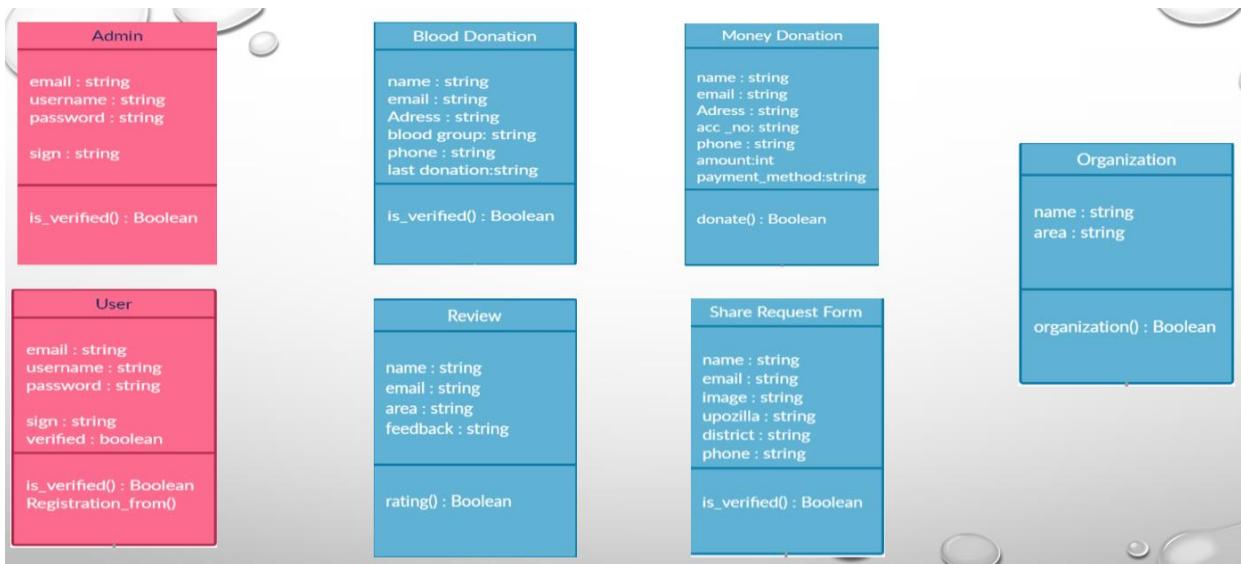
- Examining class definition
- Studying requirements

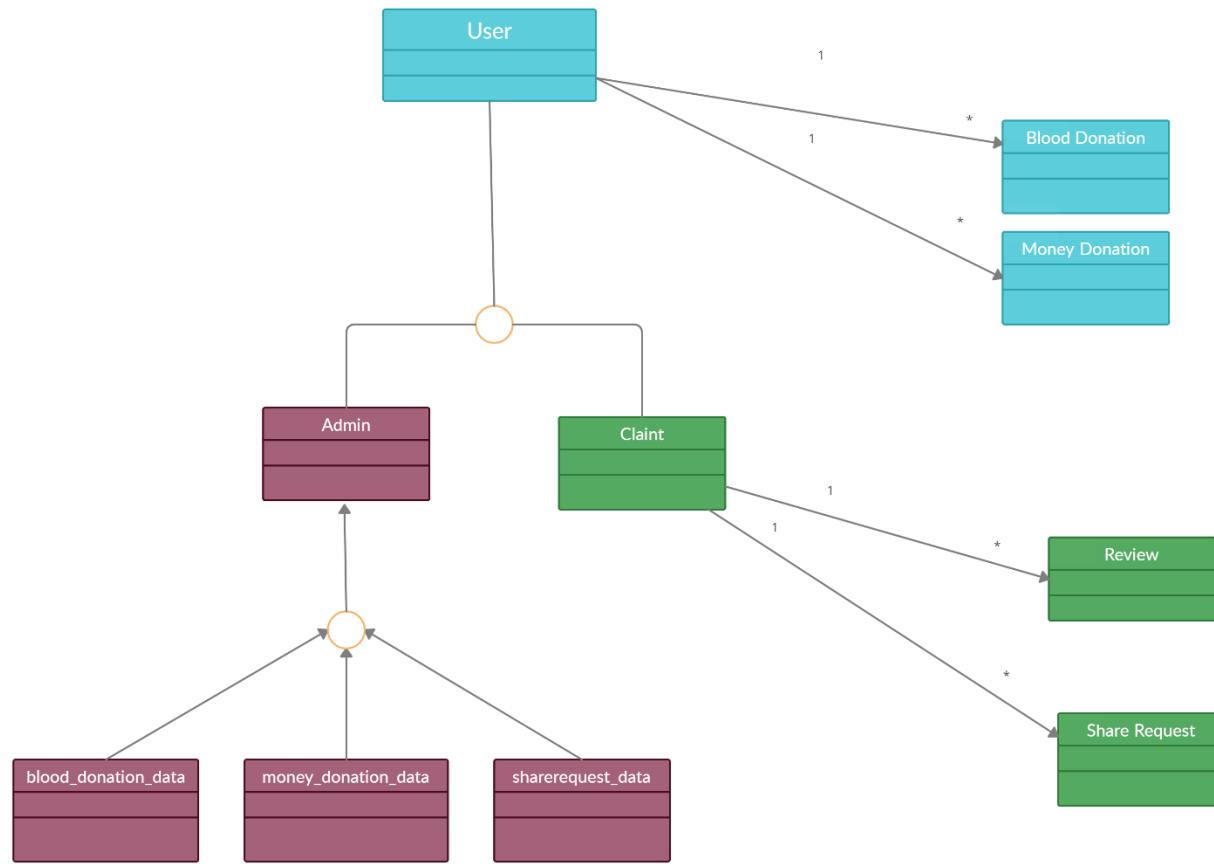


## □ Applying domain knowledge

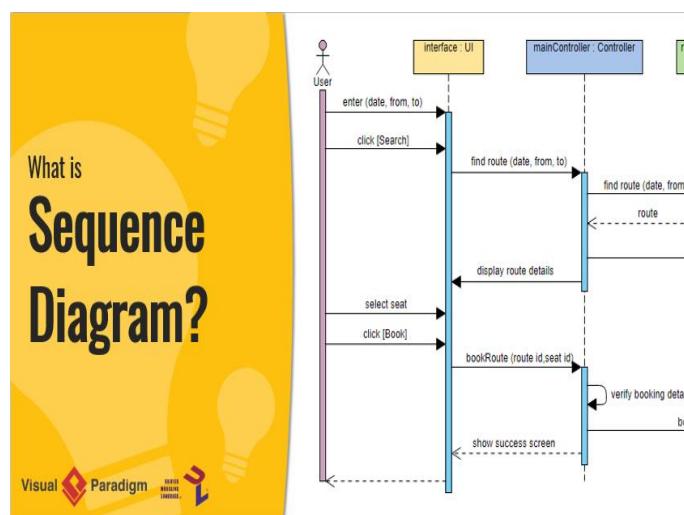
### WHAT IS METHOD?

A method is a procedure associated with a message and an object. One of the most important capabilities that a method provides is method overriding which allows the same name to be used for multiple different kinds of classes.





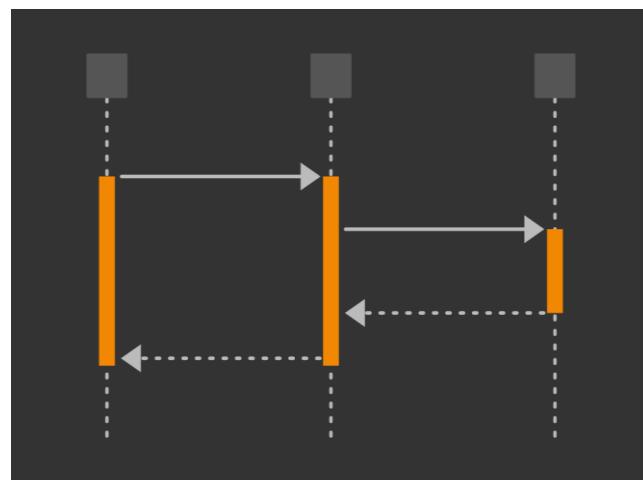
## 5.7 SEQUENCE DIAGRAM





## ELEMENTS OF A SEQUENCE DIAGRAM:

- Actor
- Object
- Lifeline
- Focus of Control
- Message
- Object Destruction

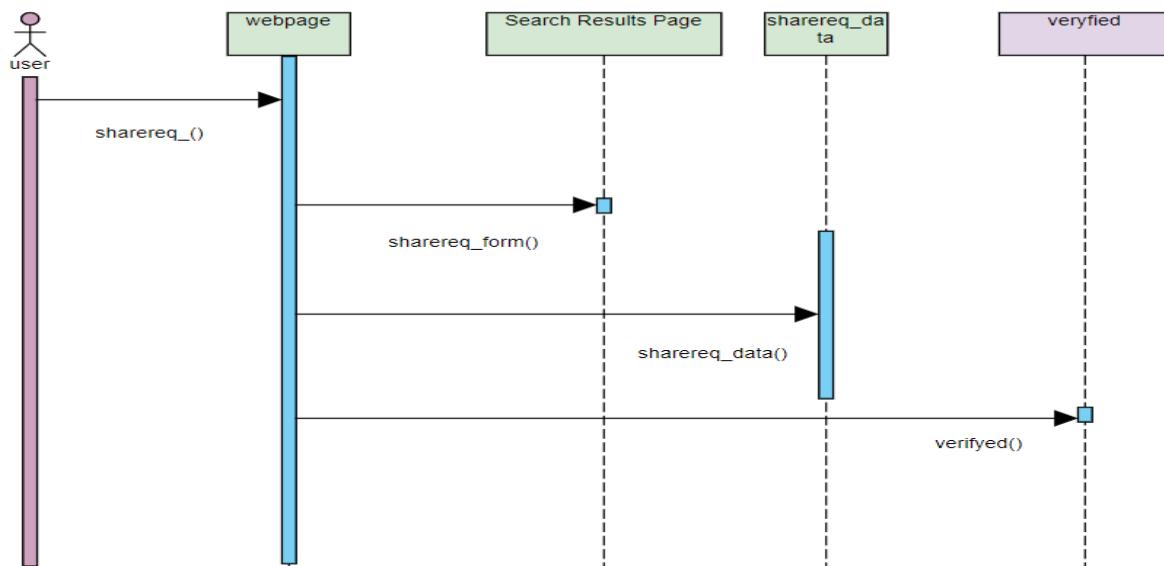


**SHARE REQUEST**

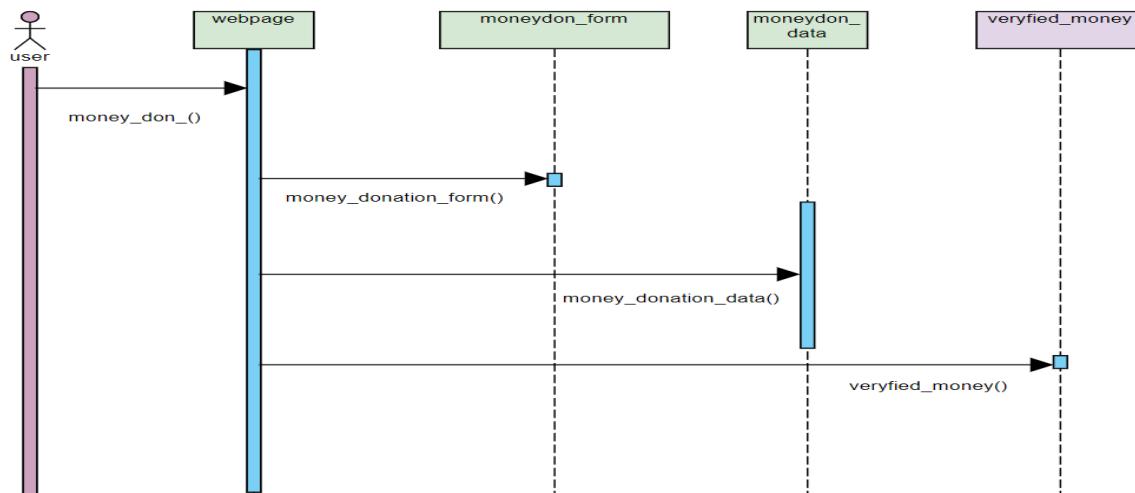


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## MONEY DONATION

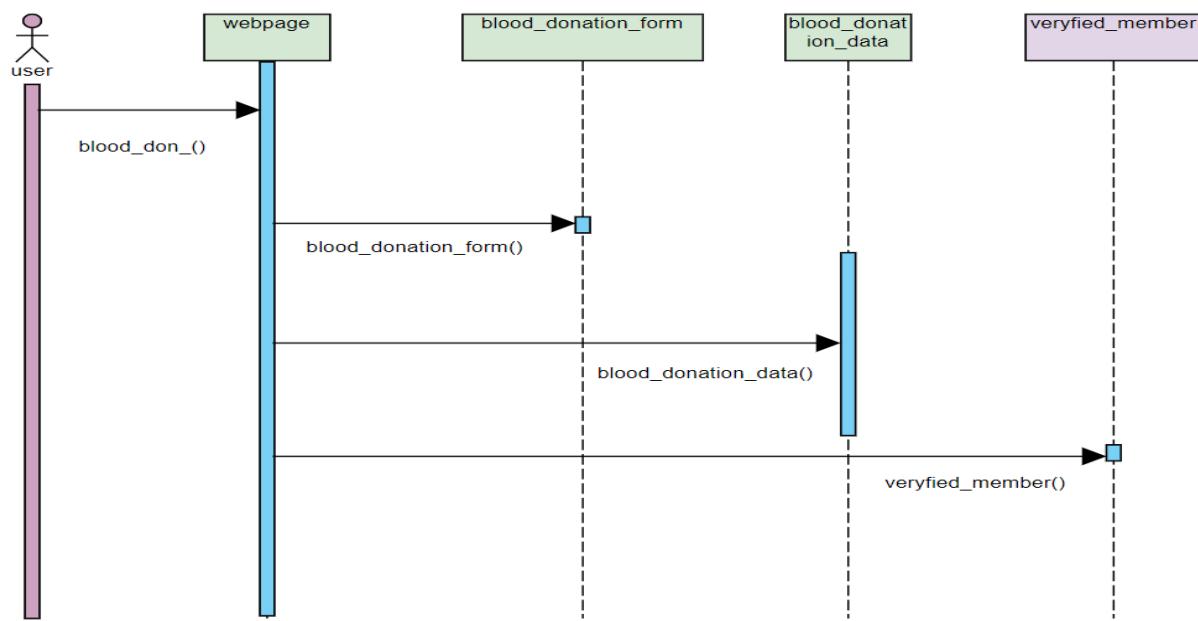


## BLOOD DONATION

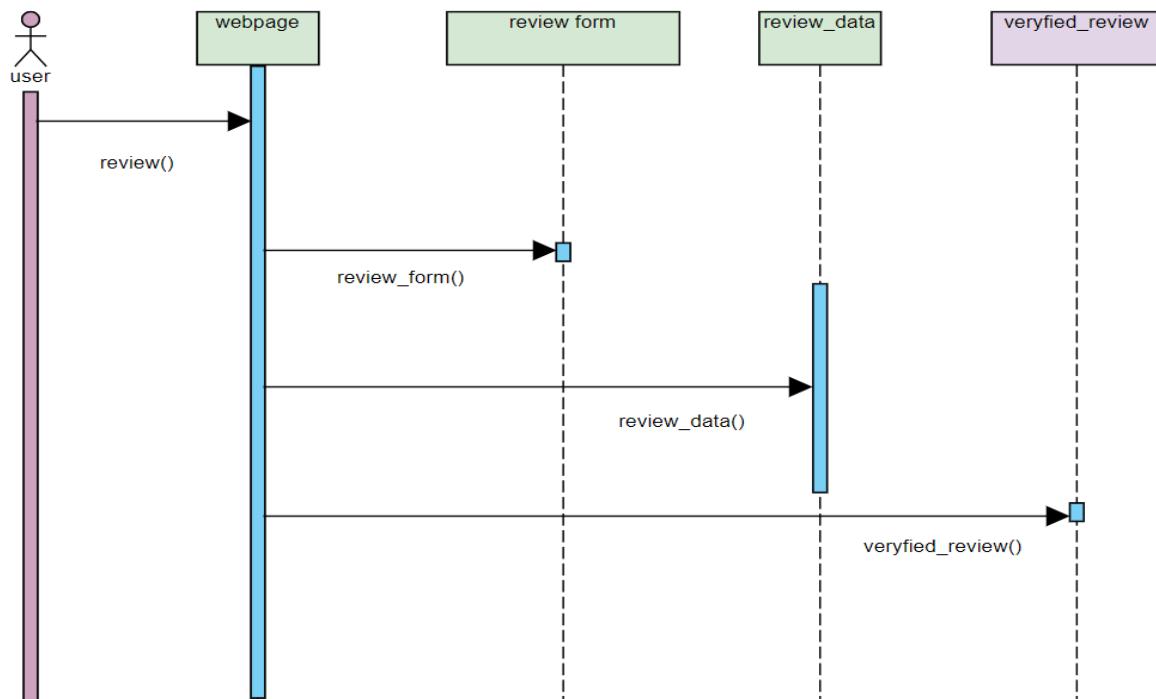


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## REVIEW





## 5.8 DEPLOYMENT DIAGRAM

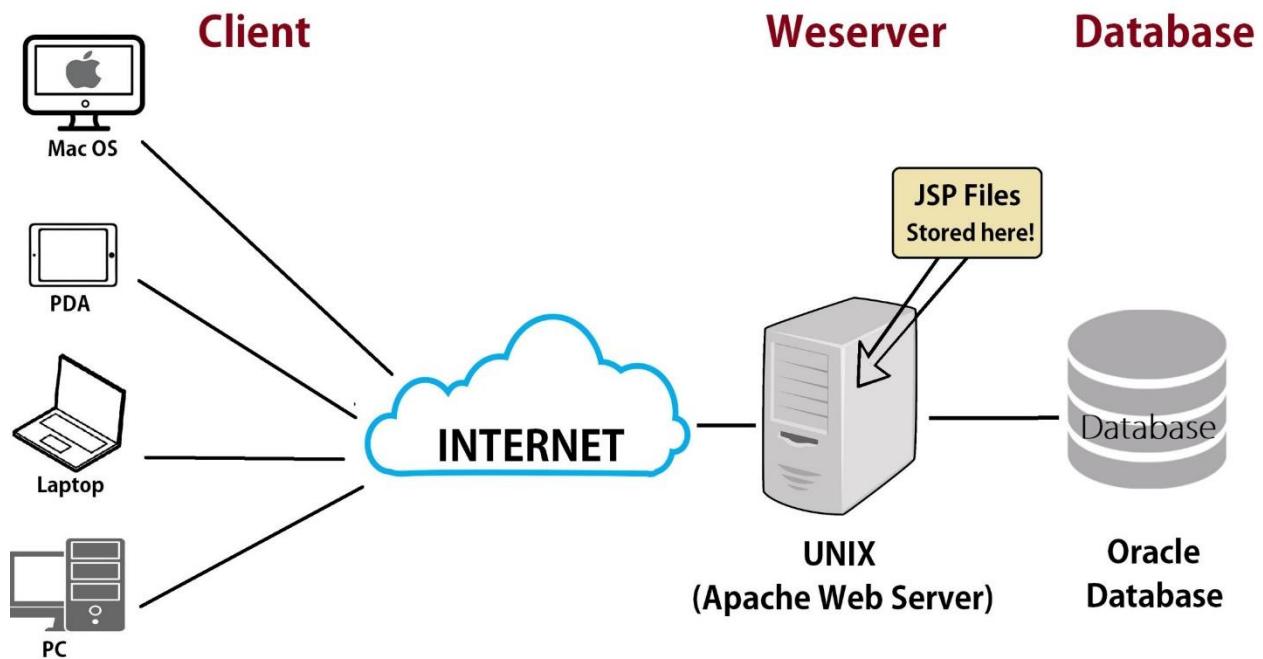


### WHAT IS A DEPLOYMENT DIAGRAM:

A UML deployment diagram is a diagram that shows the configuration of run-time processing nodes and the components that live on them. Deployment diagrams are a kind of structured diagrams used in modeling the physical aspects of a system or a platform. It shows how the end-users are accessing the system and how the system is serving the service. It only covers the basic structured view of the system without going into details.

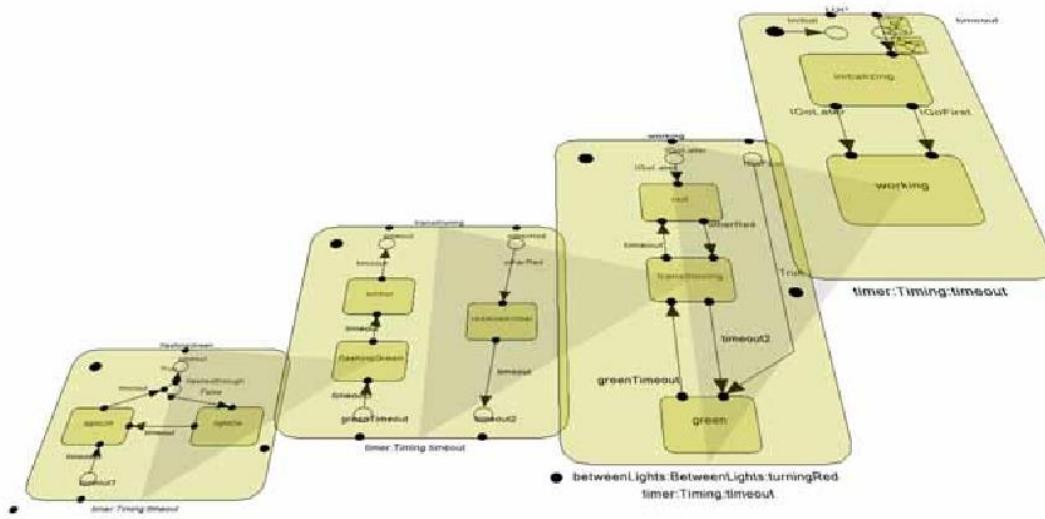
### WHERE AND WHEN TO USE DEPLOYMENT DIAGRAM:

- When we need to show, with what the newly added system will interact or integrate with.
- How large or vast the system needs to be.
- Who/what will interact with the system.
- What kind of protocols does the system need to go through.
- What kind of HW/SW does the system need to function properly.
- Who/What can access which part and how'd they access it.





## 5.9 STATE DIAGRAM



## BASIC COMPONENTS OF STATE DIAGRAM

- Initial state
- Self transition
- Composite state
- Final state
- Join
- Transition
- State
- Fork

### STEPS TO DRAW A STATE DIAGRAM –

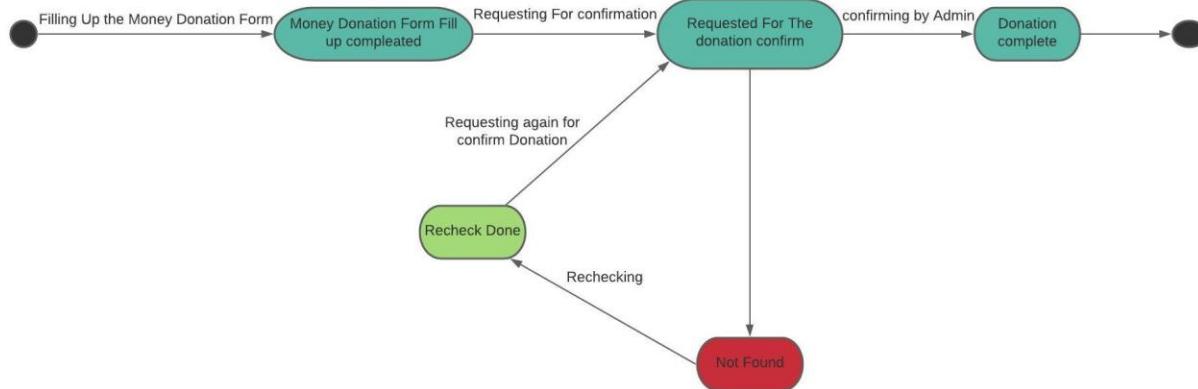
1. Identify the initial state and the final terminating states.
2. Identify the possible states in which the object can exist (boundary values corresponding to different attributes guide us in identifying different states).
3. Label the events which trigger these transitions.



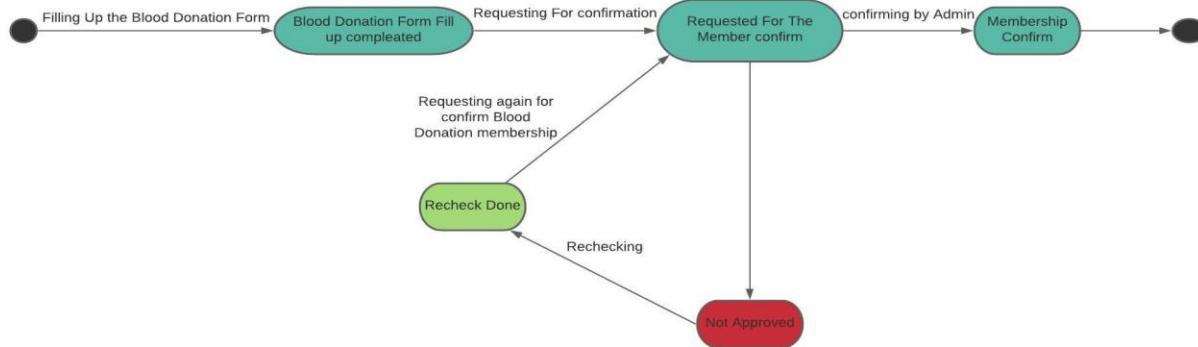
## United International University

QUEST FOR EXCELLENCE

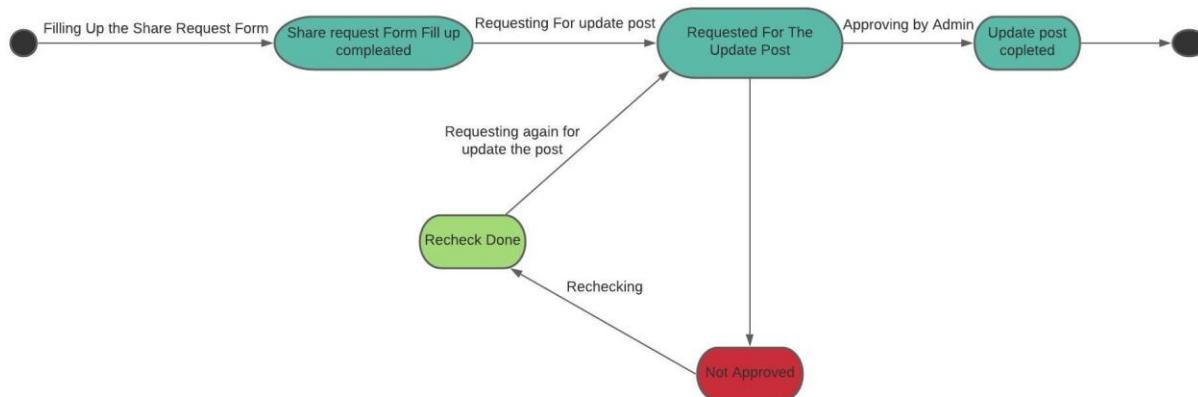
### Money Donation Form



### Blood Donation Form



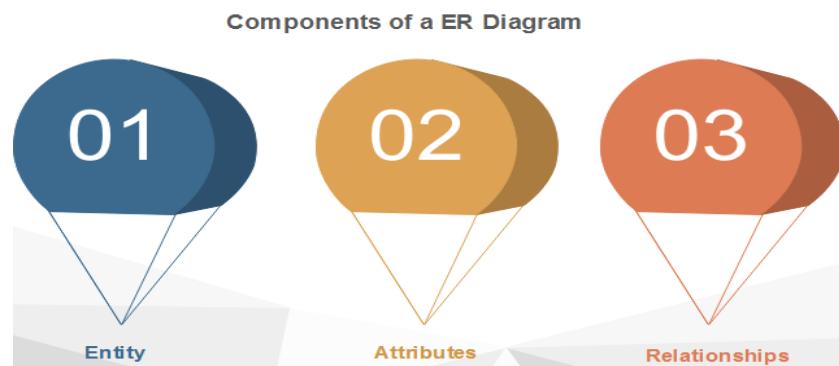
### Share Request Form





## 5.10 E-R DIAGRAM

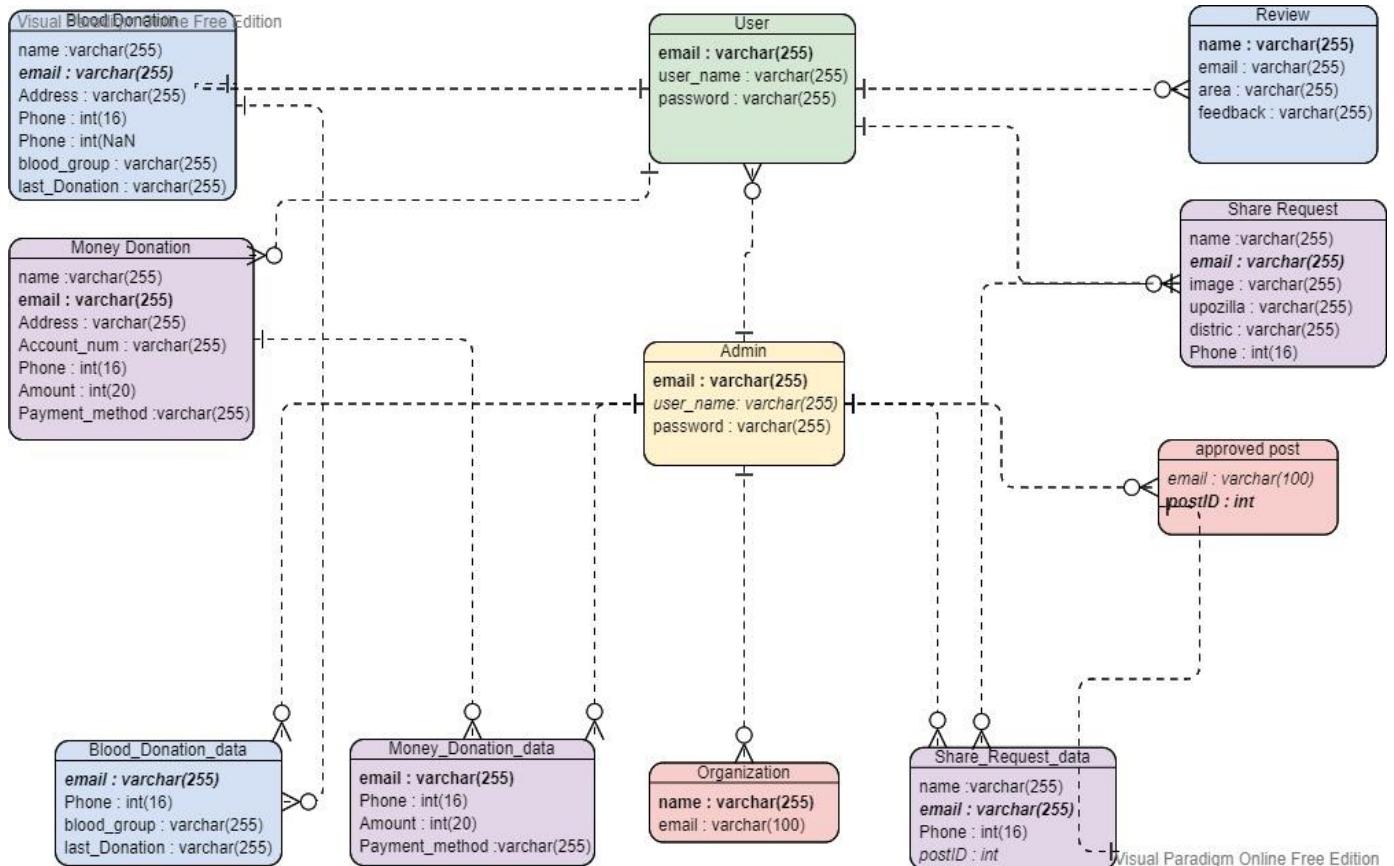
Three basic concepts of E-R Diagram: Entity sets, Relationship sets, and Attributes



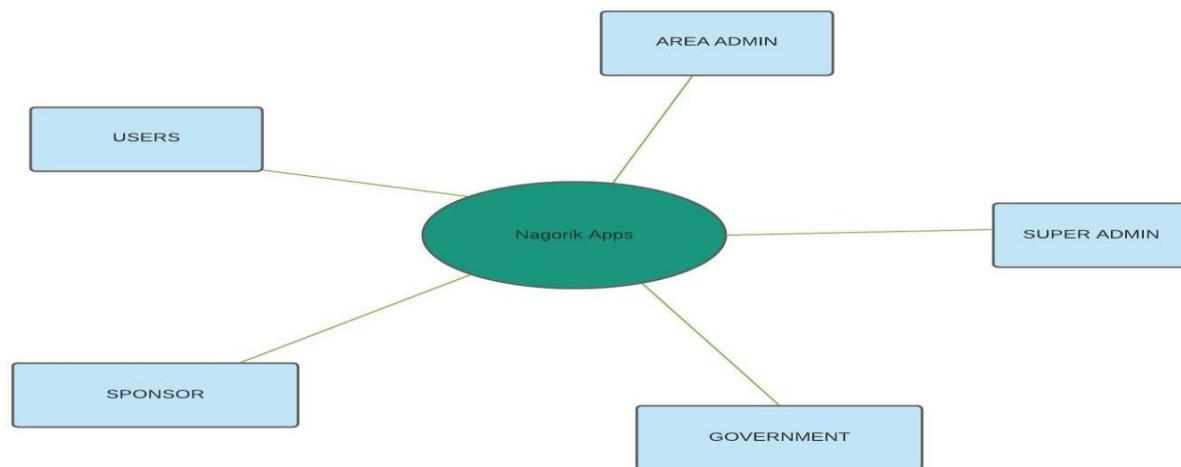
### ENTITIES WE ARE USING FOR OUR PROJECT:

- ❖ USER
- ❖ ADMIN
- ❖ SHARE REQUEST
- ❖ MONEY DONATION
- ❖ BLOOD DONATION REVIEW
- ❖ REVIEW
- ❖ APROVED POST
- ❖ BLOOD DONATION DATA
- ❖ MONEY DOINATION DATA
- ❖ SHARE REQUEST DATA
- ❖ ORGANIZATION





## 5.11 CONTEXT DIAGRAM





# Chapter 6

# ROAD MAP



## Chapter 7

### SWOT ANALYSIS

SWOT stands for Strengths, Weaknesses, Opportunities, and Threats, and so a SWOT Analysis is a technique for assessing these four aspects of any project.

Here is SWOT Analysis based on our project.

#### **STRENGTHS:**

- We have dedicated management.
- We have developing skill.
- Users feel reliable with the services.
- We provide team work services.

#### **WEAKNESSES:**

- Poor connectivity
- Communication gap

#### **OPPORTUNITIES:**

- There very few competition
- Easy to use

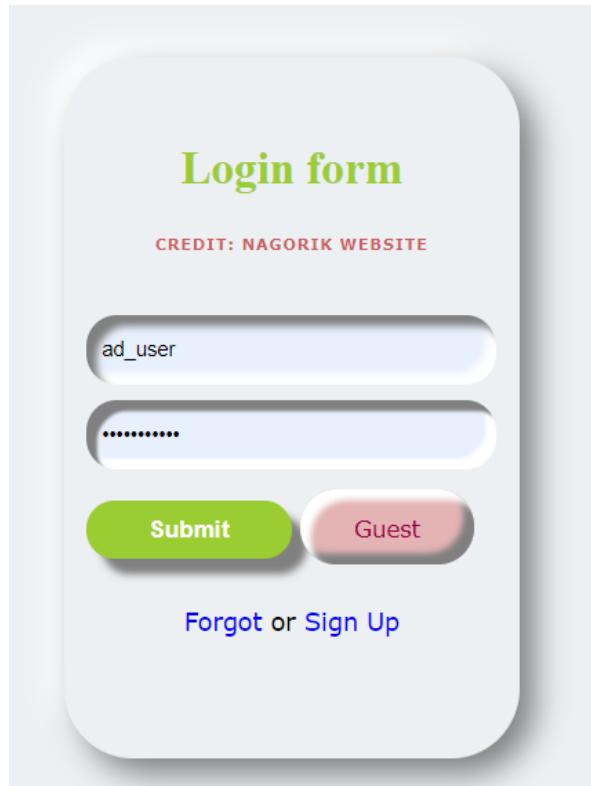


**THREATS:**

- No political support
- Dishonesty or betrayal of employee

## Chapter 8

### SCREEN SHOTS OF THE PROJECT



The image shows a login form titled "Login form" with a light gray background and rounded corners. At the top, it says "CREDIT: NAGORIK WEBSITE". Below that are two input fields: the first contains "ad\_user" and the second contains a series of dots representing a password. At the bottom are two buttons: a green "Submit" button and a pink "Guest" button. Below the buttons is a link "Forgot or Sign Up" in blue text.



## Welcome to our website

Your Small Contribution, Will Bring To Happiness

### OUR WEBSITE

Nagorik is a non-profit, government approved, charitable organisation dedicated towards enlightened and improving the lives of the economically and socially deprived members of the community. At Nagorik, we aim to provide basic education to child labourers and to create employment opportunities among the underprivileged and disadvantaged sections of society.

#### Successful Events



### Problem Share

Please fill all information

Enter Your name

Enter your email

Upzilla

District

+8801XXXXXXXX

Problem description

**Upload Post**



## United International University

QUEST FOR EXCELLENCE

### Requester List

ID	Name	Email	Phone	Upzilla	District	INFO
1	khan	majid.hridoy@gmail.com	01521434066	ghatail	tangail	need blood
2	motaleb	motaleb@gmail.com	0123456789	Chapay	Rajshahi	Emergency need A+ blood
3	Saiful	saiful@gmail.com	0132456789	BB	B.Baria	construct the bridge
4	sreeja	sreeja@gmail.com	01225526655	kapasia	gazipur	roadside dustbin
7	supti	supti@gmail.com	0123456789	dhaka	dhaka	ddddd
8	joysree	joysreei@gmail.com	01521434066	dhaka	dhaka	ghdhgdhdf
9	mjibon	tislamshuvo172@gmail.com	01521434066	dhaka	dhaka	need medicne
10	mjibon	mjibon@gmail.com	01234567892	chapai	rajshahi	help
11	mjibon	mjibon@gmail.com	01234567892	chapai	rajshahi	help
12	hridoy khan	hridoy@gmail.com	01767930192	kalihati	tangail	oxygen
13	uiu	uiu@gmail.com	01312654867	dhaka	dhaka	hello
14	Joyshree Sarkar	joysree@gmail.com	0123456789	dhaka	dhaka	help
15	abdul	abdul@gmail.com	01312658974	chapai	Rajshahi	need help
16	uiu	uiu@gmail.com	01315262425	dhaka	dhaka	need student
17	MD.Saiful Islam	hackyou3100@gmail.com	01609376454	madhabpur	habiganj	need a home

[Back to Dashboard](#)



[Home](#)

[About Us](#)

[Donation](#)

[Organization](#)

[Share Request](#)

[Area](#)

[Successful Event](#)

[Contact Us](#)

### Donation For Helpless People

There are various type of donation in our website. Every donor can donate blood, money, relief goods etc. There are various benefits of donating blood. It not only helps the receiver but also enhances the health of the donor. It revitalizes the body for better health. One blood donation can benefit many people. A single donation can help at least three people in need. It also makes the work of blood banks easier.

#### Money Donation

Donations are awarded to social workers and/or social welfare organizations that can provide assistance to those who have suffered loss and are in need of financial, or other assistance due to a disaster.  
[Click For Donation](#)

#### Blood Donation

Donations are awarded to social workers and/or social welfare organizations that can provide assistance to those who have suffered loss and are in need of financial, or other assistance due to a disaster.  
[Click For Donation](#)



### \$ Money Donation Form

Name

Email

Phone

Account Number

Amount

Payment By

**Donate**

**Cancel Donation ←**

### Money Donar List

Name	Email	Phone	Account_No	Amount	Payment_Method
Luthfullah hil Majid	lmajid172064@bscse.uiu.ac.bd	01312617206	01767930192	500	Bkash
Jibo	jibon@gmail.com	01521664043	01852255916	1000	Bkash
joyeshree sarker	joyeshree@gmail.com	01759698269	01759698269	100	rocket

**Back to DashBoard**

### Blood Donation Form

Name

Email

Phone

Address

Blood Group

Your Blood Group

Last Donation

mm/dd/yyyy

**Donate Blood**

**Cancel Donation ←**



## Blood Donar List

Name	Email	Phone	Address	Blood_Group	Last_Donate
Majid	majid@gmail.com	01767930192	NurerChala,Dhaka	A+	2021-04-16
abdul motaleb	abdulmotaleb@gmail.com	0153648795	01832859674	B-	2021-03-24
Ariful islam	mdparvezmia192@gmail.com	01609376454	Kapasia	B+	2004-05-10

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## Review Form

Name

Area

Feedback

Review Post

Back to Home

## ★ Review Table

Name	Area	Feedback
Motaleb	Nurerchala,Dhaka	4
joyeshree sarker	dhaka	5

Back to Home



## About Us

### Mission

There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don't look even slightly believable. If you are going to use a passage of Lorem Ipsum, you need to be sure there isn't anything embarrassing hidden in the middle of text. It uses a dictionary of over 200 Latin words, combined with a handful of model sentence structures, to generate Lorem Ipsum which looks readable and meaningful.

**Vision**  
Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtably source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance.

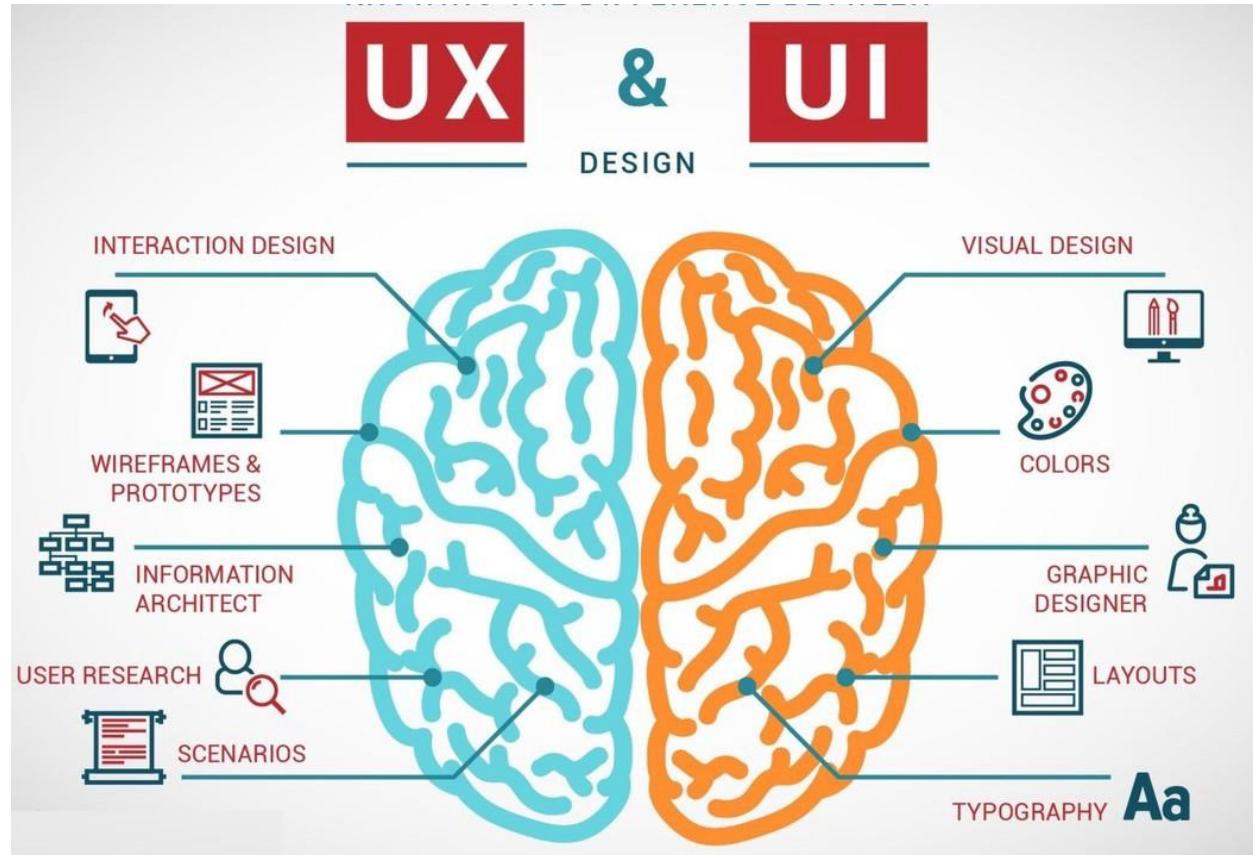


## Chapter 9

- **Work 1:** There will add a organization option and there some organization will work
- **Work 2:** Area Admin will get access
- **Work 3:** Organization admin will get just organization access
- **Work 4:** There will be add area and user find specific area post and status
- **Work 5:** There area search option available.

## Chapter 10

### UI VS UX DESIGN





## WHAT IS UI DESIGN:

'UI Design' stands for 'User Interface Design'

In very simple terms User Interface (UI) design is the process of creating look and feel of the Interface. Additionally, Main aim of a UI design is to design a User Interface so that a User has a good experience by interacting with it.

User interface (UI) design looks in the aspects of how each element of the product looks, which includes placeholders, buttons, text, check boxes, images and so on. Basically any visual interface elements that people interacts with.

Think of it like the touchscreen on your smartphone, or the touch pad you use of a microwave. If we talk about the UI in relation to websites and apps, it is about the look, feel, and interactivity of the product.

And the UI designer considers all the visual, interactive elements of a product interface and designs it.

It is also important to note that Unlike UX which applies to all products and services, User Interface design is about digital interfaces.

## WHAT UI DESIGN IS

- UI design is about how the product's interfaces look and function. What the user sees and How they interacts within the product.
- End goal of user interface (UI) design is to make the user's interaction as simple and efficient as possible so that they are able to accomplish their goals.
- It is specific to digital experiences. And considers all the visual and interactive elements of a product interface including icons, buttons, typography and color schemes, imagery, and responsive design.



## WHAT DOES A UI DESIGNER DO?



### What does a UI designer do?

- Understand the user
- Wireframe
- Prototype
- Create visual designs
- Design interactive screens
- Collaborate with stakeholders

**THANKYOU**