

# **Software Requirements Specification**



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## Chapter 1

## 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



#### 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

	Ве	nchm	ark ana	lysis		
Features	BASMAH Foundation	CONCERN worldwide	One Taka Meal	APON Foundation	JAAGO Foundation	Our project
Design	Υ	Υ	Υ	Υ	Υ	Υ
Area	N	Υ	N	N	N	Υ
Search	N	Υ	N	N	N	Υ
Area text and Photo	N	γ	Υ	N	N	Υ
upload						
Donation	γ	Υ	Υ	Υ	Υ	Υ
Emergency Contact	γ	γ	Υ	γ	Υ	Υ
About website	γ	Υ	Υ	Υ	Υ	Υ
Мар	N	γ	N	N	Υ	Υ
Login	N	N	N	N	N	Υ
Registration	N	N	N	N	N	Υ
Menu bar	γ	Υ	Υ	Υ	Υ	Υ
Successful event	γ	Υ	Υ	Υ	Υ	γ
Share request form	N	Υ	N	N	N	Υ
Review	γ	N	Υ	N	Υ	Υ
Help organization	Υ	Υ	Υ	Υ	N	Υ



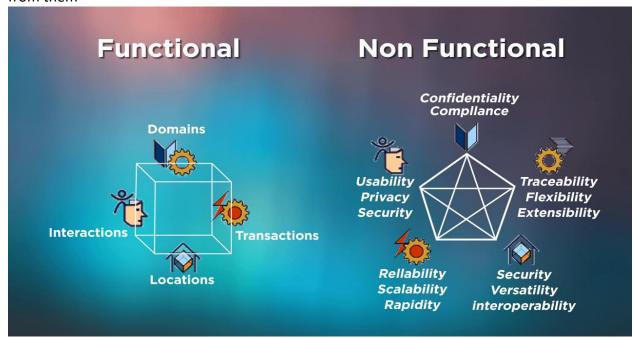
# Chapter 3

# IMPORTANCE OF DEFINING FUNCTIONAL & NON-FUNCTIONAL



#### 3.1 FUNCTIONAL REQUIREMENT

- Donation: The people can easly help other online and offline donation
- Emergency Contact: If anyone needs to emergency contact with us they can easly 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

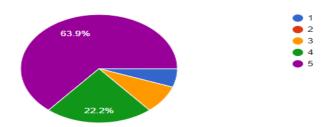
# Chapter 4

# FEASIBILITY ANALYSIS

### 4.1 GOOGLE SURVEY FORM

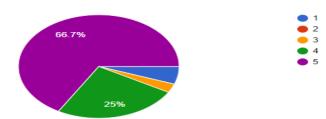
Q1

How easy is it to use overall? 36 responses



Q2

The share request form use easy system? 36 responses

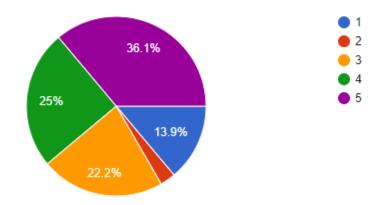




Q-3

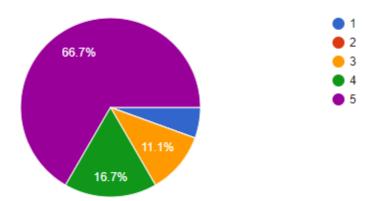
Share Request form is time consume for upload post?

36 responses



Q-4

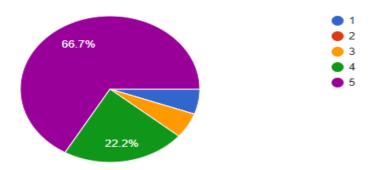
How much Blood donator member process easy?



Ques-5

Your satisfaction rate about Blood Donation process

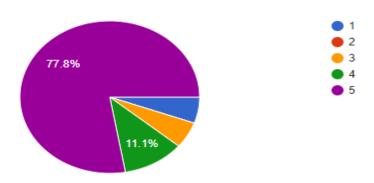
36 responses



Ques-6

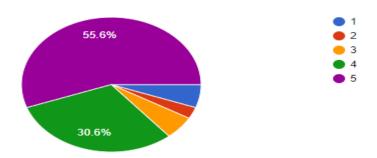
The way of money donation is easy?

36 responses



Ques-7

Your Donation page satisfaction

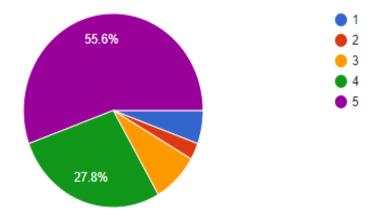




#### Ques-8

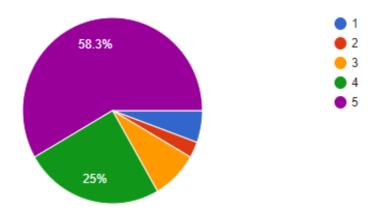
How much interesting the page of review?\*

36 responses



#### Ques-9

Is this review way is easy?





Have we need any improvement about our website?

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



Have we need any improvement about our website?

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:

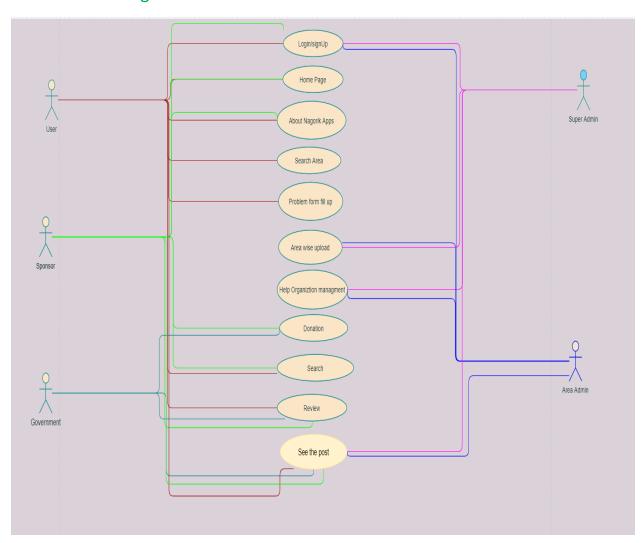
Questions	Agree	Disagree	Feasible?	Useable
How easy is it to use overall?	64.9%	5.4%	YES	YES
The share request form use easy system?	67.6%	2.7%	YES	YES
Share Request form is time consume for upload post?	37.8%	2.7%	NO	YES
How much Blood donator member process easy?	67.6%	5.4%	YES	YES
Your satisfaction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

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.

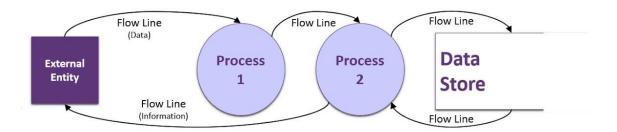


#### 5.2 DATA FLOW DIAGRAM



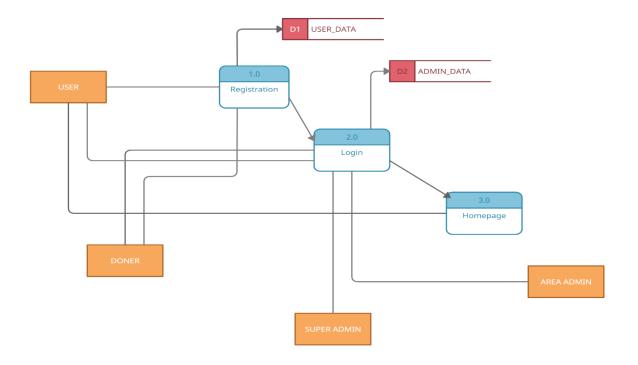
# **Data Flow Diagram (DFD)**

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.

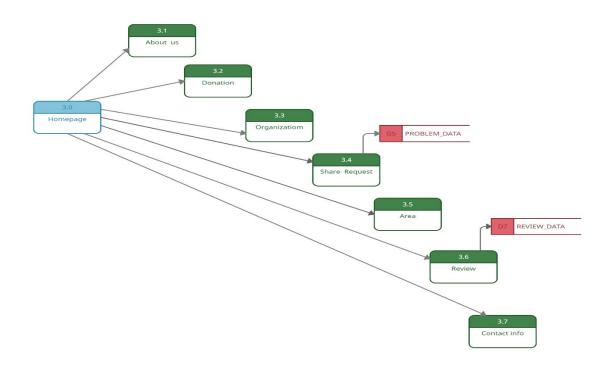




### Level 0

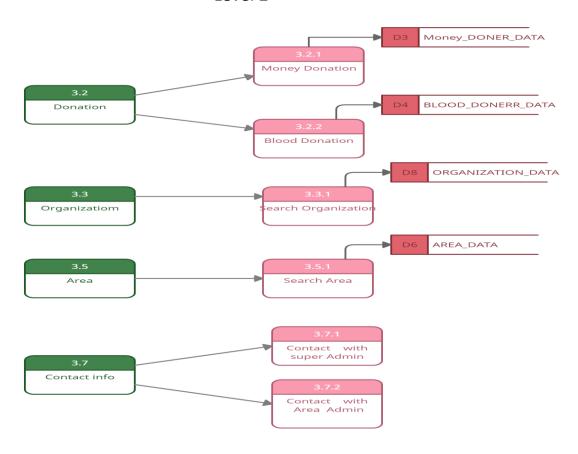


Level 1



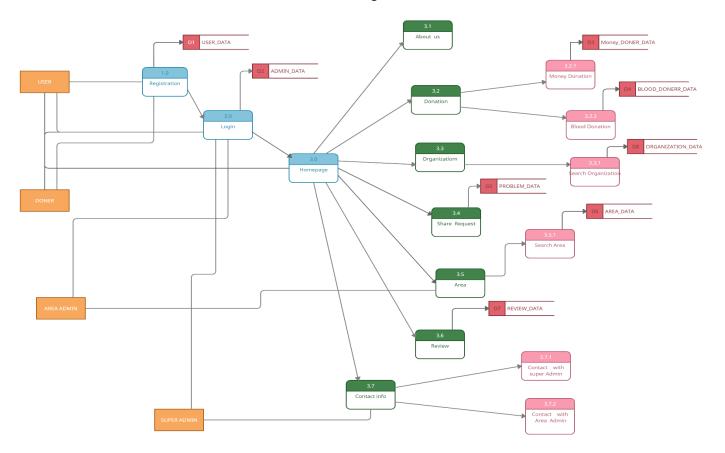


### Level 2



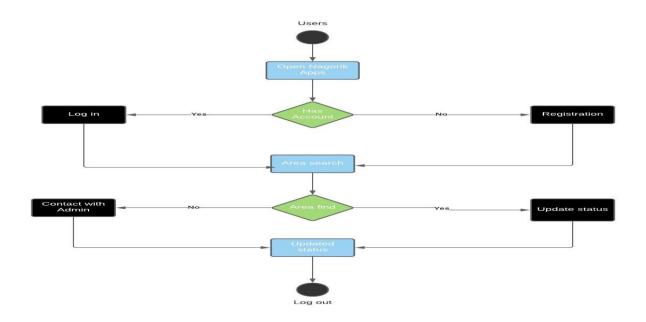


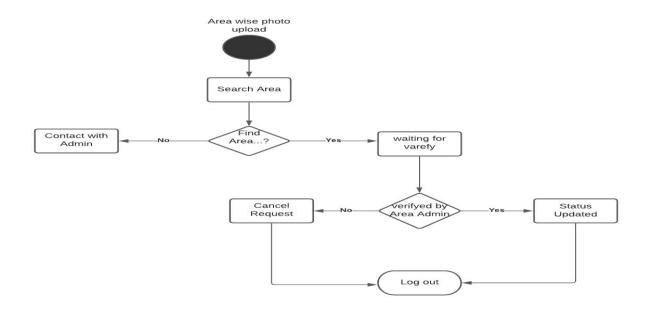
#### Data flow Diagram

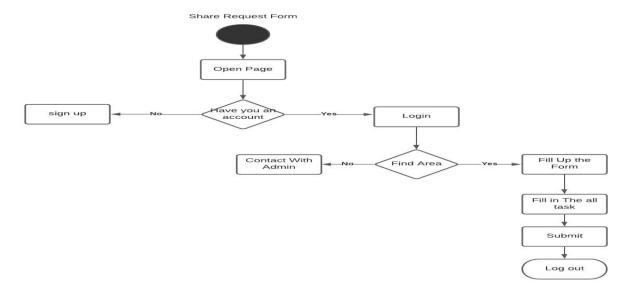


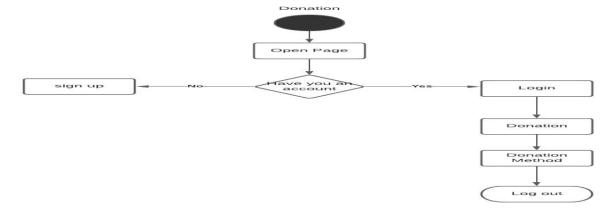
## **5.3 ACTIVITY DIAGRAM**

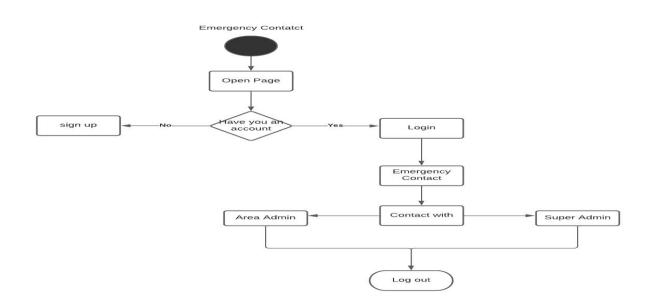


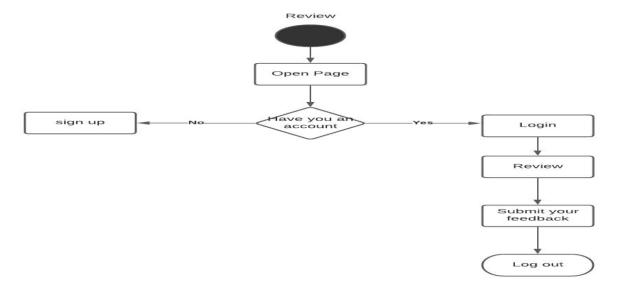


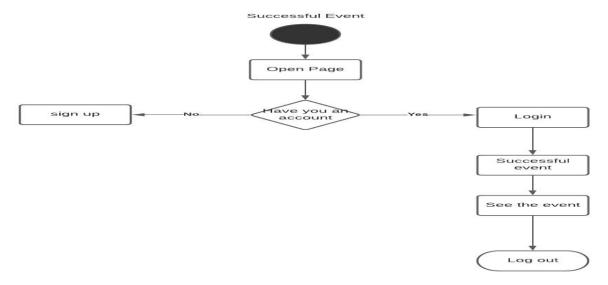










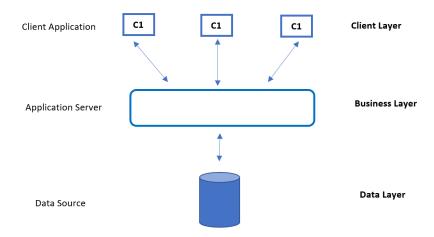




### **5.4 ARCHITECTURE**

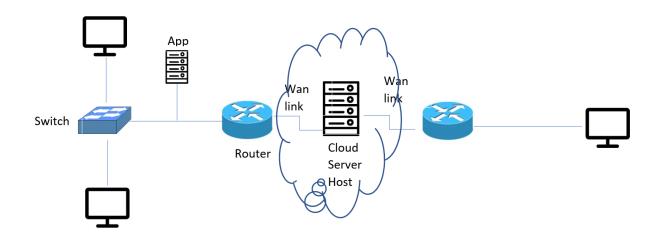
## ARCHITECTURE

## **WEB BASED APPLICATION**



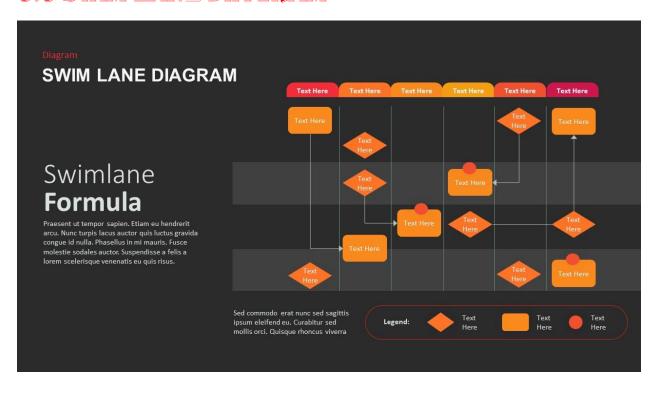
## **WEB BASED APPLICATION**

#### **NETWORK ARCHITECTURE**



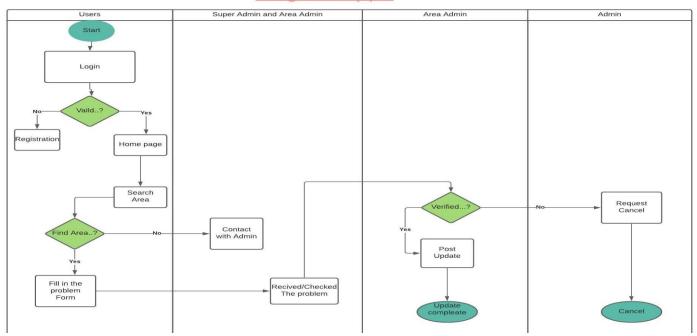


# 5.5 SWIM LANE DIAGRAM





#### 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

②Examining class definition

Studying requirements

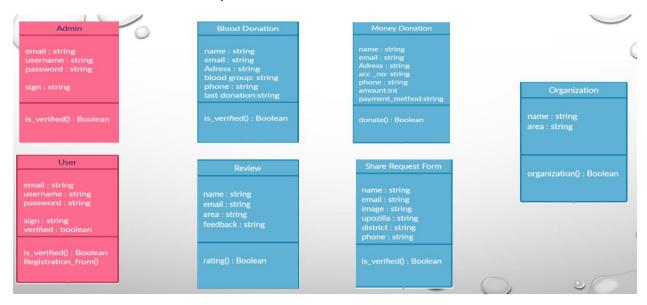


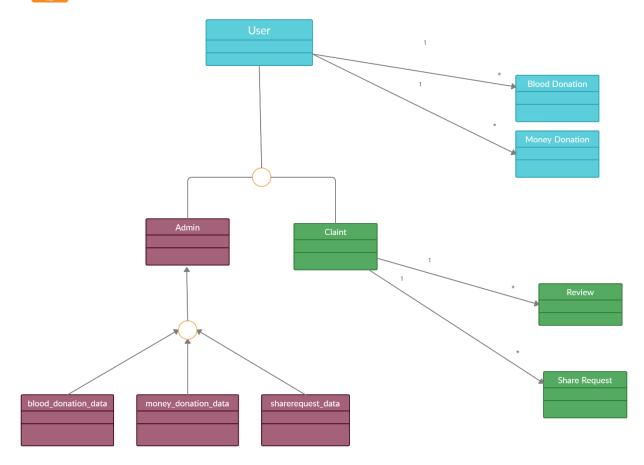
2 Applying domain knowledge

#### WHAT IS METHOD?

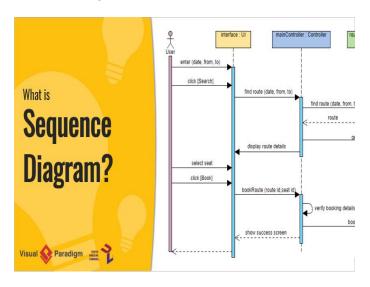
A method is a procedure associated with a message and an object. One of the most important capabilities that a method provides is method overriding which allows the

same name to be used for multiple different kinds of classes.





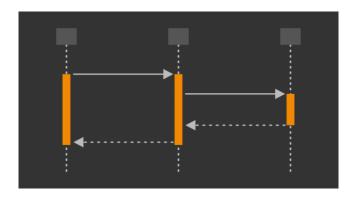
## 5.7 SEQUENCE DIAGRAM



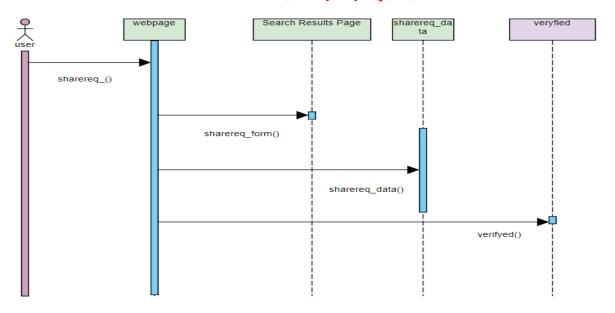


## ELEMENTS OF A SEQUENCE DIAGRAM:

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

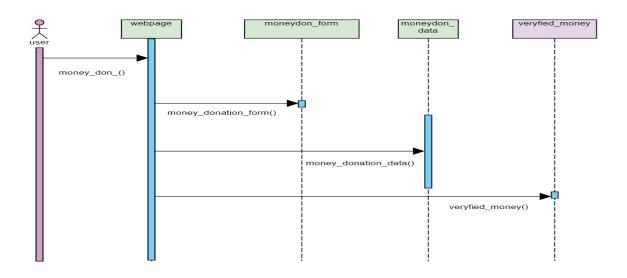


#### **SHARE REQUEST**

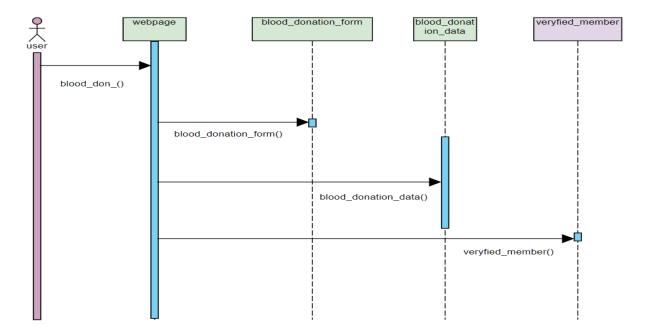




### MONEY DONATION

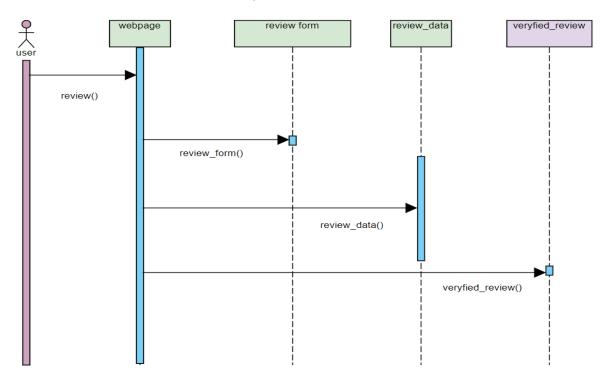


#### **BLOOD DONATION**





### REVIEW



# 5.8 DEPLOYMENT DIAGRAM



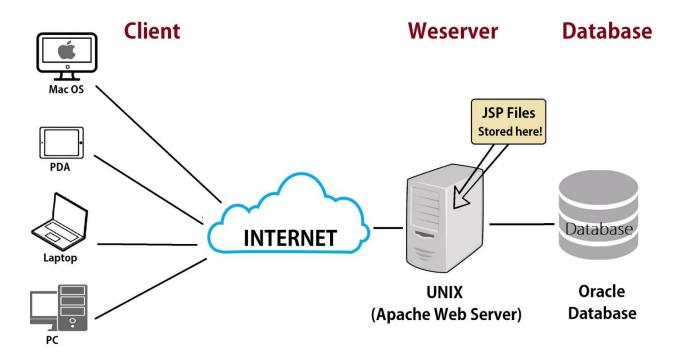


### WHAT IS A DEPLOYMENT DIAGRAM:

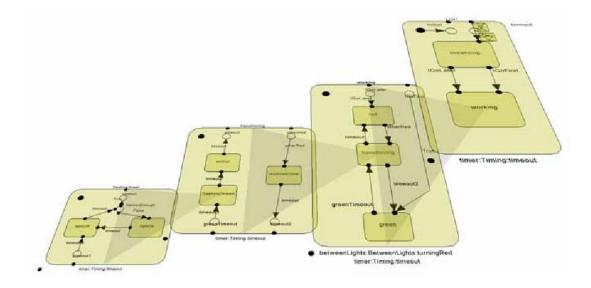
A UML deployment diagram is a diagram that shows the configuration of run-time processing nodes and the components that live on them. Deployment diagrams are a kind of structured diagrams used in modeling the physical aspects of a system or a platform. It shows how the end-users are accessing the system 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 •Join

•Self transition •Transition

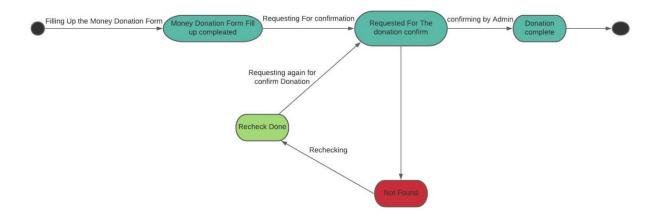
•Composite state •State

•Final state •Fork

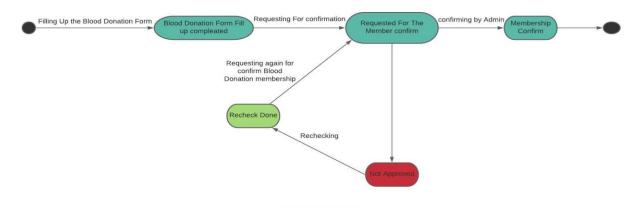
## STEPS TO DRAW A STATE DIAGRAM -

- 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.

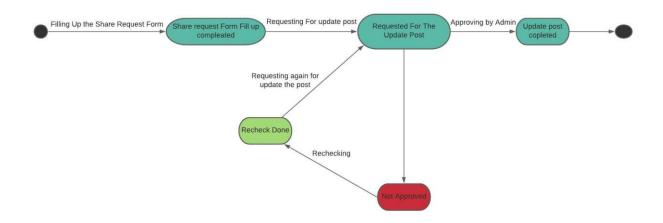
Money Donation Form



Blood Donation Form



Share Request Form





## 5.10 E-R DIAGRAM

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

O1
O2
O3

Entity

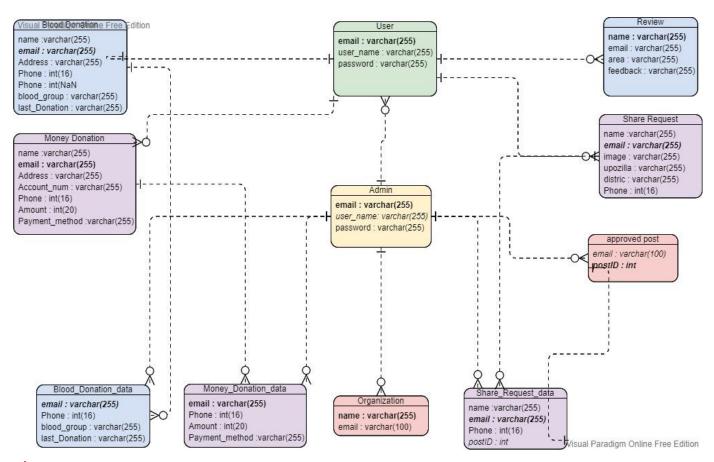
Attributes

Relationships

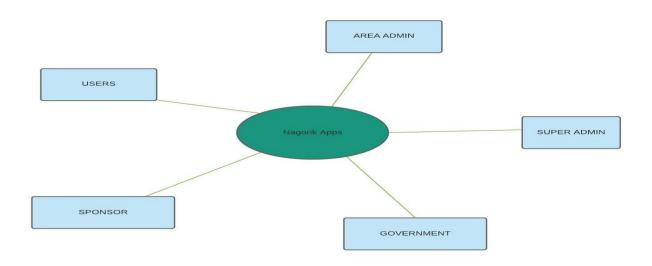
## ENTITIES WE ARE USING FOR OUR PROJECT:

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





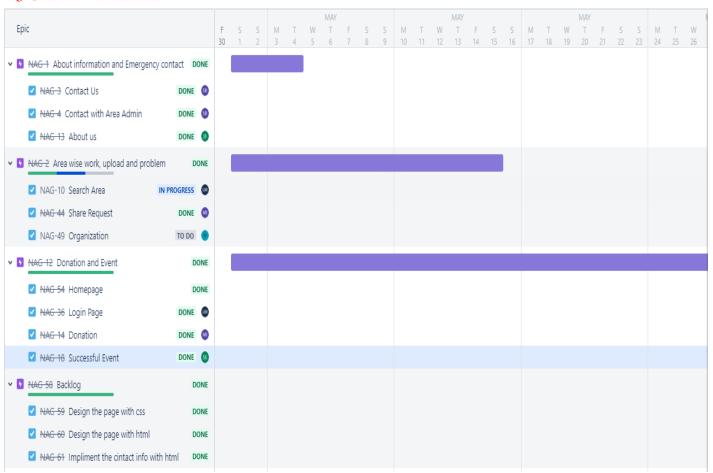
## 5.11 CONTEXT DIAGRAM





# 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.
- o Users feel reliable with the services.
- We provide team work services.

#### **WEAKNESSES:**

- Poor connectivity
- o Communication gap

#### **OPPORTUNITIES:**

- o There very few competition
- o Easy to use

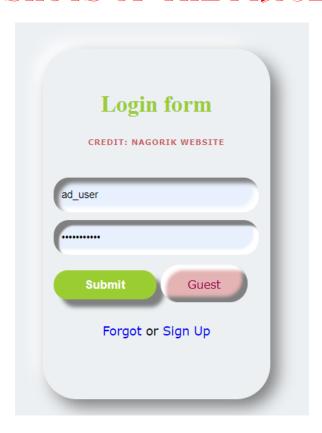
#### THREATS:

- No political support
- o Dishonesty or betrayal of employee



# Chapter 8

# SCREEN SHOTS OF THE PROJECT





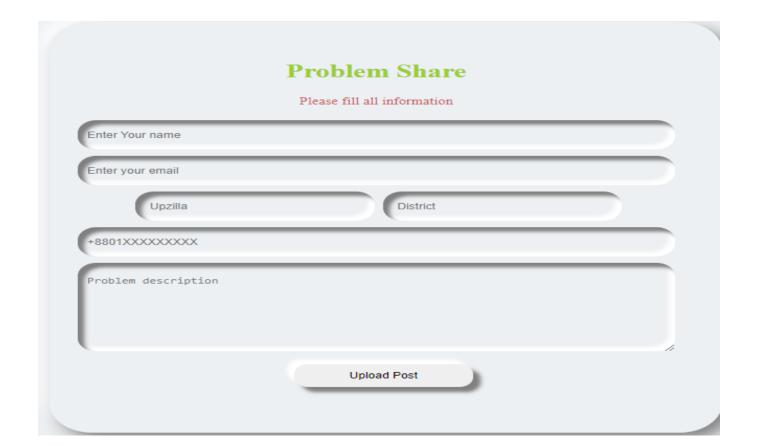


#### **Successful Events**









#### 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	ВВ	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 mediicne
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



#### 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.

#### **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.

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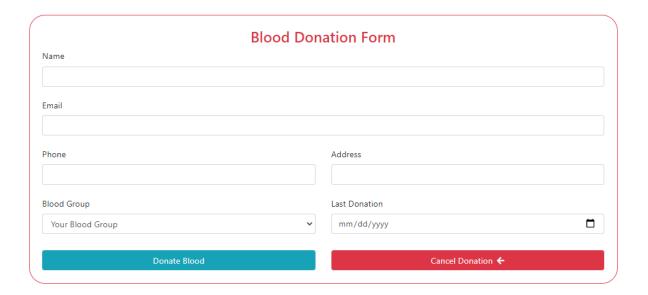


	<b><u>©</u></b> Money D	onation Form
Name		
Email		
Phone		Account Number
Amount		Payment By
	•	
	② Donate	Cancel Donation 🗲

## 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

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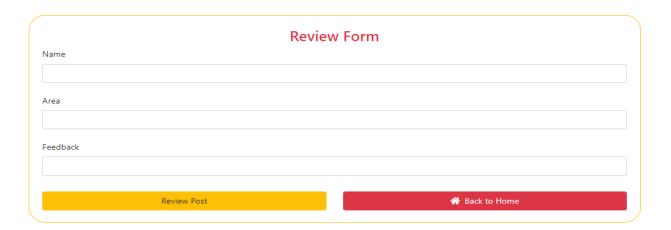




#### **Blood Donar List**

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

☆ Back to DashBoard



## Review Table

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

A Back to Home

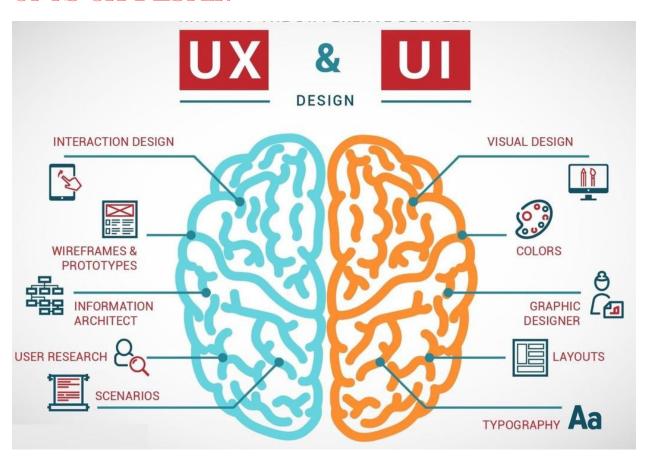


## Chapter 9

- 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