

A
PROJECT REPORT
ON



BLOOD BANK MANAGEMENT

Developed By : Maru Bhautik

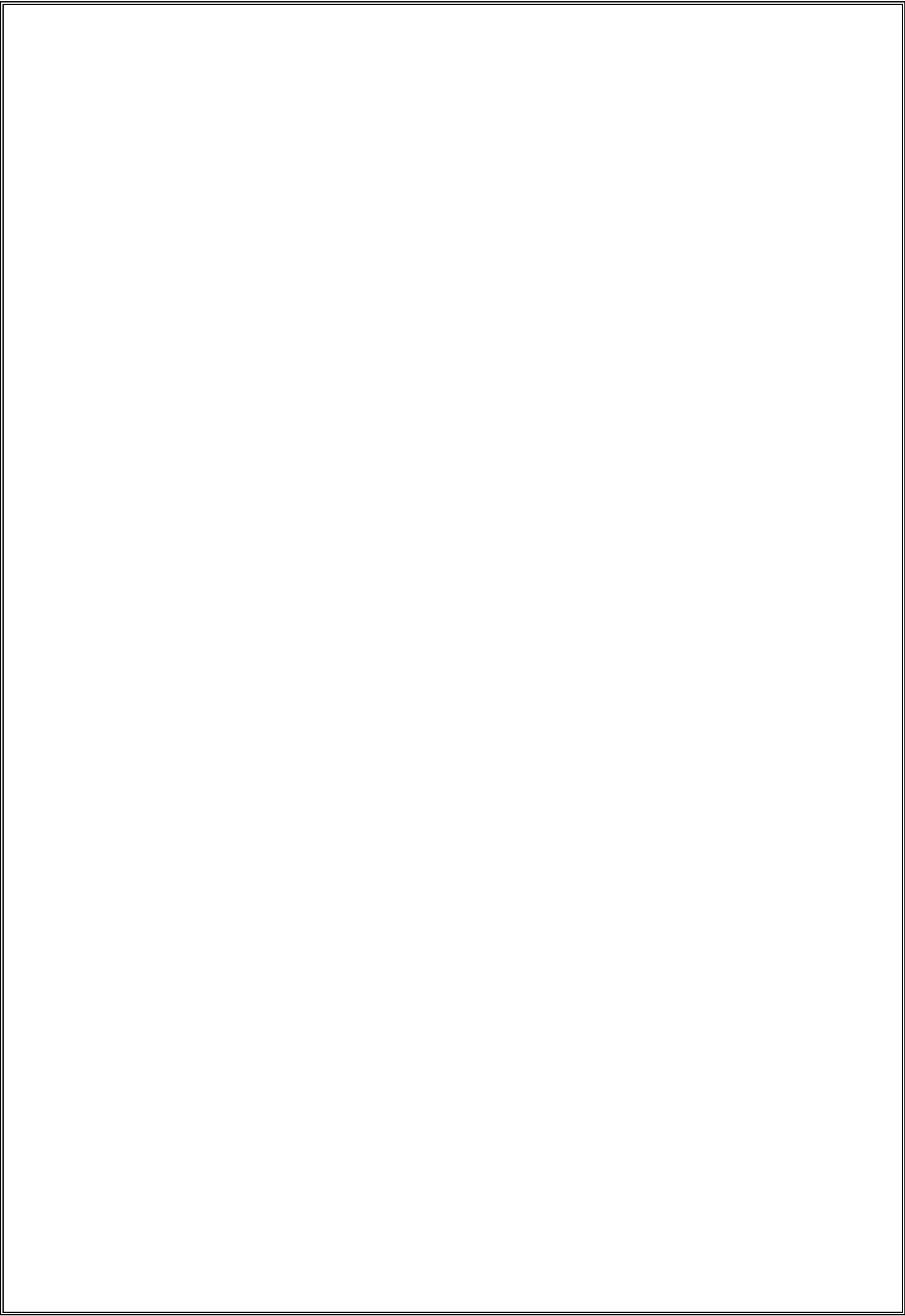
Submitted To...

Geetanjali group of computer science and commerce

Saurashtra University Rajkot

[2021- 2022]

Guided by: Prof . Kishorsinh vala



ACKNOWLEDGEMENT

It is matter of great pleasure of us to get this opportunity expressing our deep and sincere of Prof. Kishorsinh vala for giving us precious guidance, inspiration and great support while developing the software are especially thanks for it to them.

We are also thankful to out reserve and learned faculties. Whose inspiration , guidance and generous support gave us sufficient strength to prepare the project during the long technical input in the form books and study material and influencing our thinking. We acknowledge extends by them for giving us information and clarifying our doubts and obligatory.

Only the token of the "thanks" cannot appreciate of project valuable contribution and assistance provide by these wonderful people, by this token gesture are least we can do.

PREFACE

The project work there is a wide difference between theory and practical. If one has only theoretical background of any subject, one would not succeed in pawn-in, therefore it is necessary to any subject, to have adequate practical knowledge of connected subject. As we know B.C.A and it is totally practical field. with only theoretical knowledge one neither success the peak position.

In the B.C.A course, designed by "Saurashtra University" they have designed the course in such a manner with which student can get both the theoretical and practical knowledge perfectly.

In my project "**Blood Management**", I have covered all necessary information and I have tried our best to represent this project in such a way that it make easy to understand.

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INTRODUCTION OF PROJECT

The main aim of developing this system is to provide blood to the people who are in need of blood. The number of persons who are in need of blood are increasing in large number day by day. Using this system user can search blood group available in the city and he can also get contact number of the donor who has the same blood group he needs. In order to help people who are in need of blood

So if the blood group is not available in the blood bank user can request the donor to donate the blood to him and save someone life. Using this bank management system people can register himself or herself who want to donate blood. To register in the system they have to enter their contact information like address mobile number etc.

Blood Bank management system is to provide services for the people who are in need of blood by getting help from the donors who are interested in donating blood for the people. There are main modules in this system.

PROJECT PROFILE

- **Project Title** : Blood Management
- **Front end** : JAVA
- **Back End** : My SQL
- **Operating** : System Windows 7 or any
Other
- **Academic year** : 2021-22
- **Developed by** : Maru Bhautik B.
- **Guided by** : Prof . Kishorsinh vala
- **Submitted To** : Geetanjali College of
Computer Science &
Commerce(BBA)

PROJECT REQUIREMENT

- **Hardware Requirement:-**

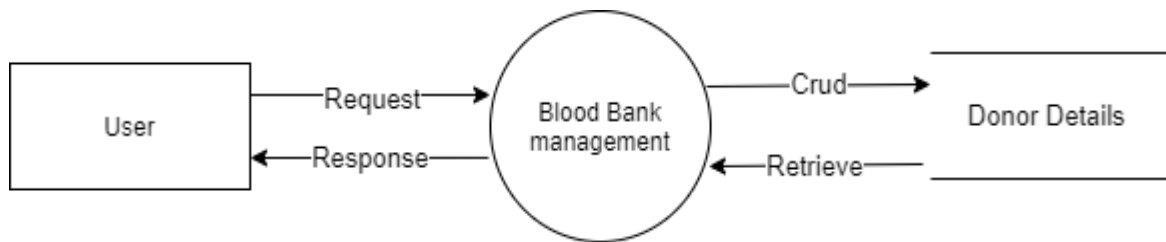
- RAM (1 GB)
- Hard Disk (20 GB)

- **Software Requirement & OS:-**

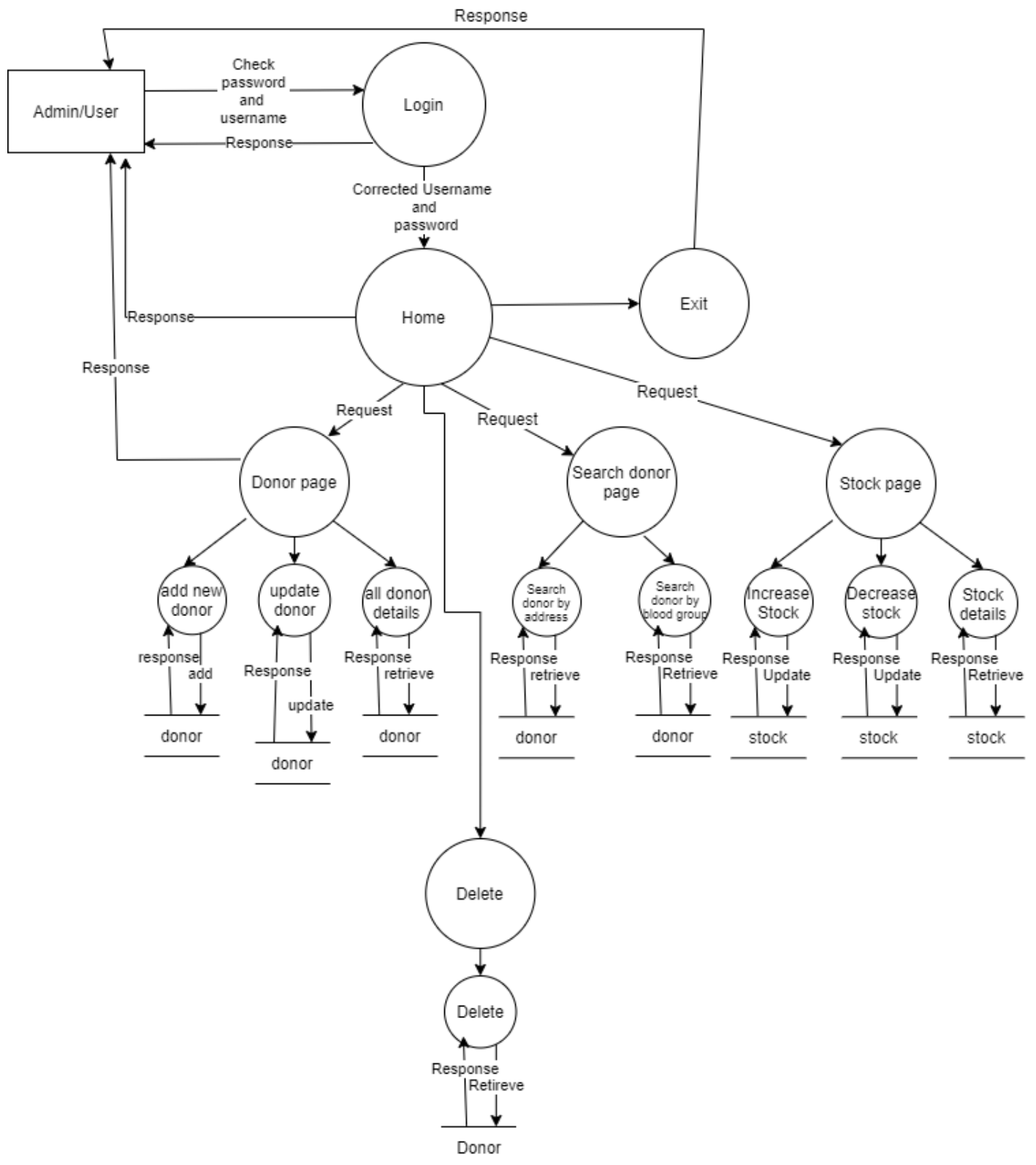
- Windows 7 and any other
- Java Version 1.8
- Xampp
- My SQL Database

DFD

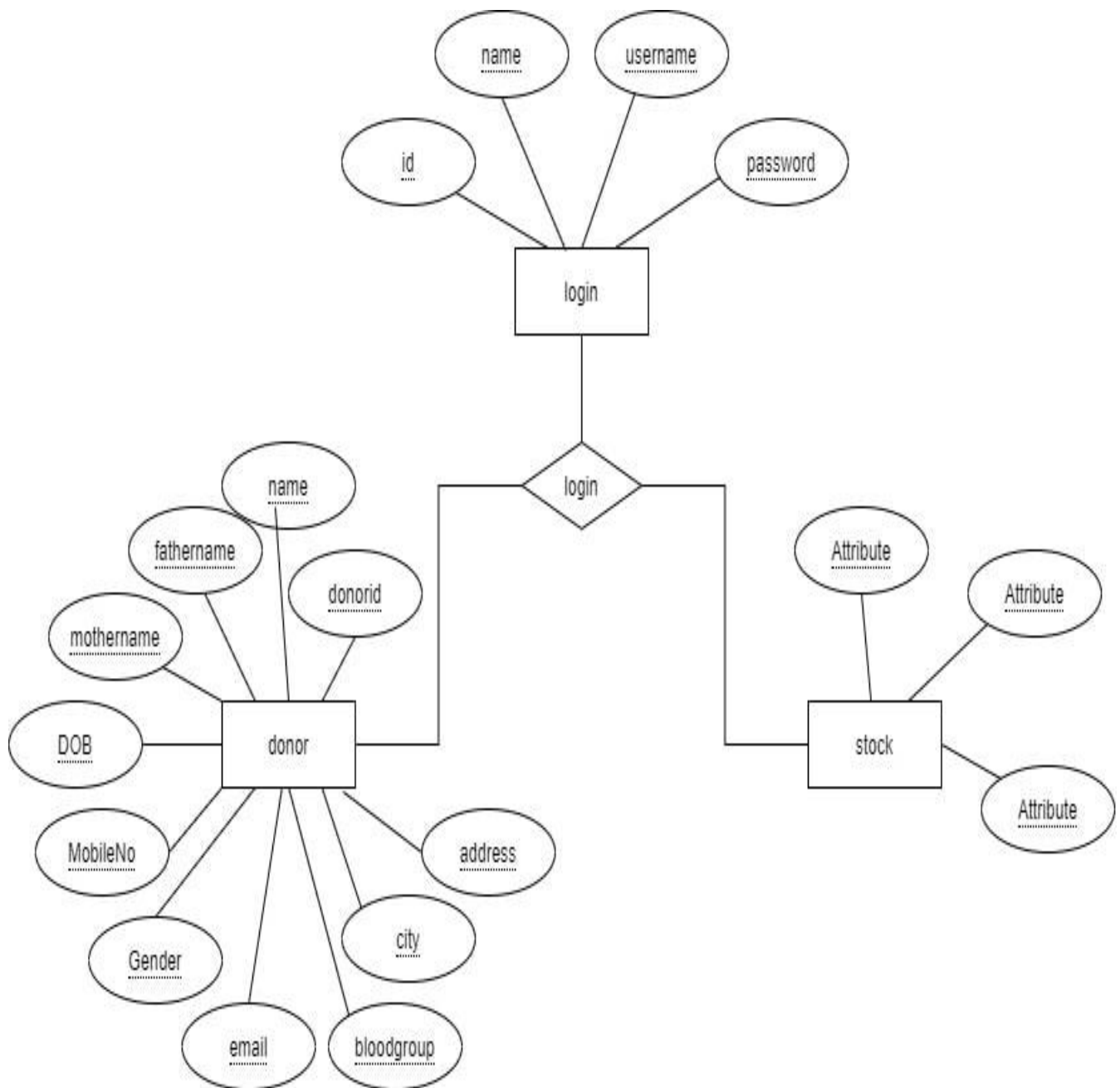
❖ 0 Level Data flow Diagram



❖ 1 Level DFD




ER DIAGRAM



DATA DICTIONARY


❖ Donor table

By using this table admin can add donor

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	donorId 	int(10)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	name	varchar(100)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	3	fatherName	varchar(100)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	4	motherName	varchar(100)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	5	DOB	varchar(20)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	6	MobileNo	varchar(10)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	7	gender	varchar(10)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	8	email	varchar(100)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	9	bloodGroup	varchar(10)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	10	city	varchar(100)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	11	address	varchar(500)	utf8mb4_general_ci		Yes	NULL		

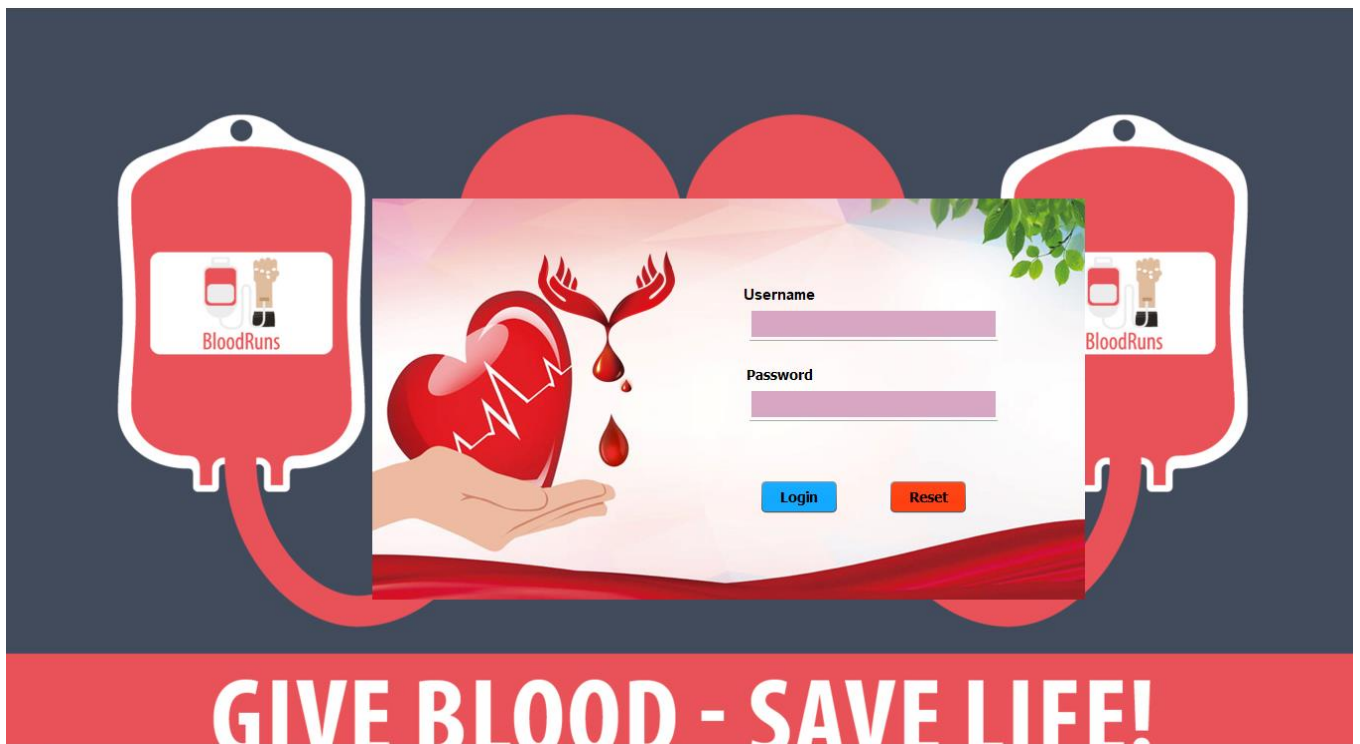
❖ Stock table

By using this table admin can manage blood stock

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	stock_id 	int(11)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	blood_group	varchar(10)	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	3	units	int(11)			No	None		

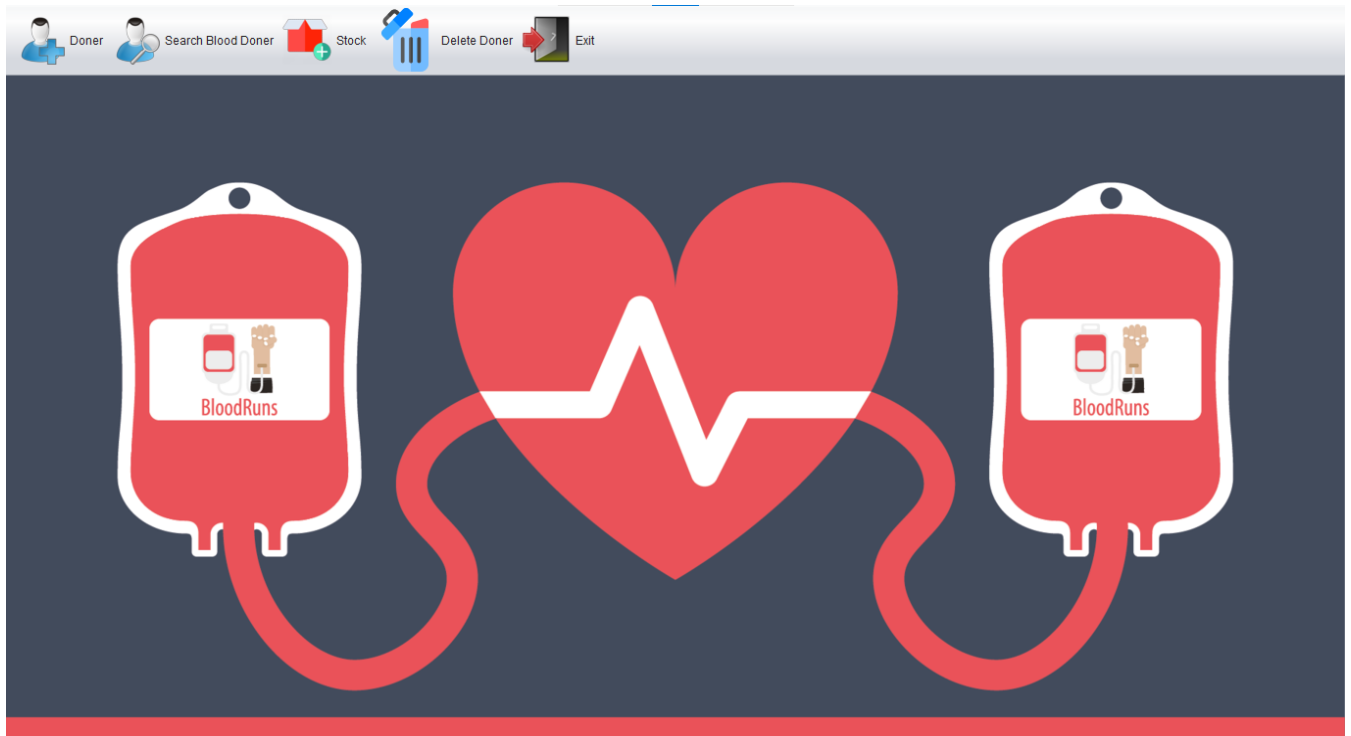
SCREEN SHOT

Login page



- By this page admin can login in software .
- If Username and password is correct then it will go to the home page.

Home page



- **This is our home page.**
- **In this page admin can manage donor details ,stock manage and search donor by location.**

Add new Donor page

ADD NEW DONOR

New Donor Id 5

Full Name Email

Father Name Blood Group

Mother Nmae City

Date Of Birth Complete Address

Mobile No

Gender

Location : Home page > donor > add new donor

- A add new donor page can add new blood donor add details.
- That detail will name ,father name Date of birth, Mobile no etc..

Update page

UPDATE DONOR DETAIL

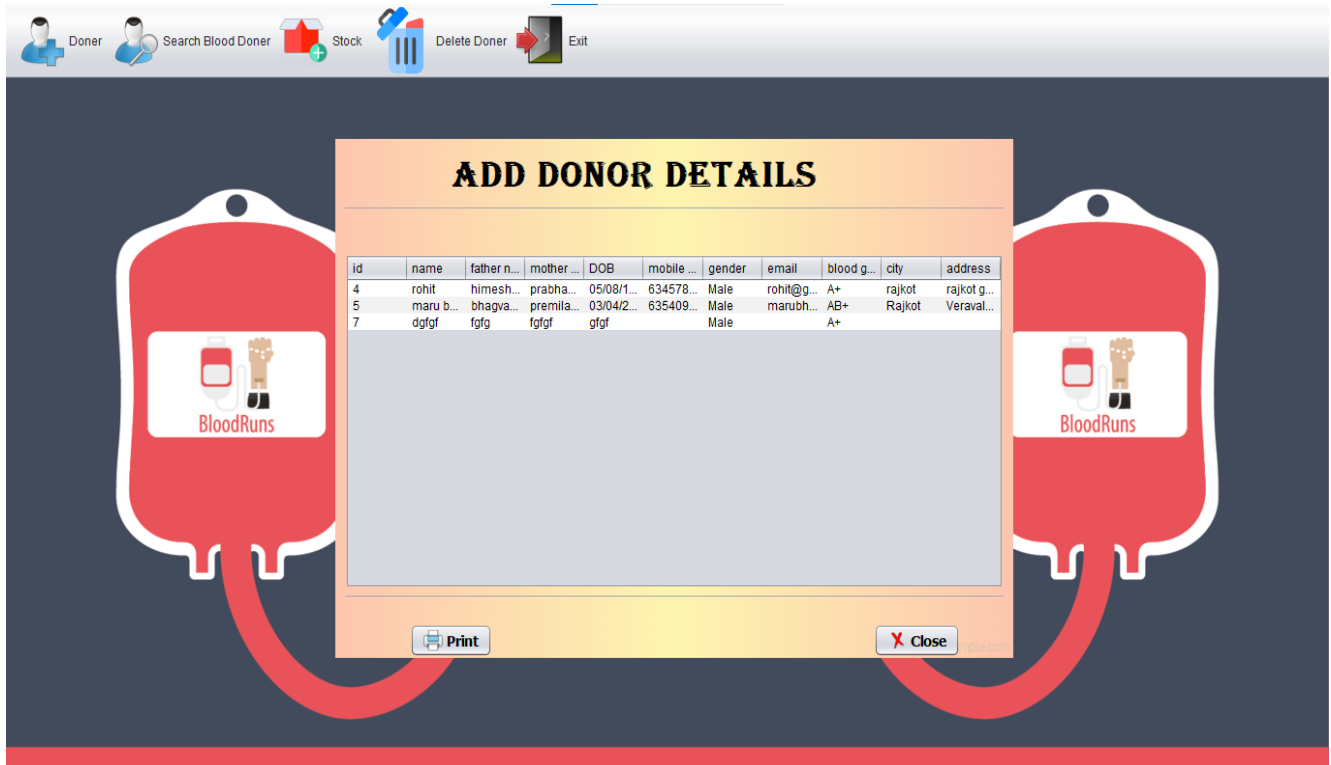
Donor Id

Full Name	<input type="text" value="maru bhautik"/>	Email	<input type="text" value="marubhautik97@gmail.com"/>
Father Name	<input type="text" value="bhagvanjibhai"/>	Blood Group	<input type="text" value="A+"/>
Mother Name	<input type="text" value="premlaben"/>	City	<input type="text" value="Rajkot"/>
Date Of Birth	<input type="text" value="03/04/2002"/>	Complete Address	<input type="text" value="Veraval (shapar) 360024"/>
Mobile No	<input type="text" value="6354092795"/>		
Gender	<input type="text" value="Male"/>		

Location : Home page > donor > Update Donor Details

- Update page is Update for a donor details.
- This can page update a details in a database.

Add Donor Details page



Location : Home page > donor > Add Donor Details

- this page show donor details for admin.
- It show all donor details.

Search Blood Donor(Location) page

SEARCH BLOOD DONOR(ADDRESS)

Address

id	name	mobile no	email	gender	blood group	city	address
5	maru bhautik	6354092795	Male	marubhau...	AB+	Rajkot	Veraval (sh...

Location : Home page > Search > Location

- This page Search blood donor into database using address.
- It search blood donor for requirement blood using donor details.

Search Blood Donor(Blood Group) page

SEARCH BLOOD DONOR(BLOOD GROUP)

Blood Group:

id	name	mobile no	gender	email	blood group	city	address
4	rohit	8345784251	Male	rohit@gmail...	A+	rajkot	rajkot gond...
7	dgfgf		Male		A+		

Location : Home page > Search> Blood Group

- This page Search blood donor into database using blood group.
- It can search blood donor for patient.

Increase page

STOCK (INCREASE)

Blood Group: Units:

blood group	units
A+	15
A-	0
B+	20
B-	0
AB+	0
AB-	0
O+	0
O-	0

Location : Home page > Stock > Increase

- This page is admin can stock increase a blood.
- It shows blood stock and unit in table.

Decrease page



STOCK (DECREASE)

Blood Group Units

blood group	units
A+	15
A-	0
B+	20
B-	0
AB+	0
AB-	0
O+	0
O-	0

Location : Home page > Stock > Decrease

- This page is admin can stock Decrease a blood.
- It can show blood stock and unit.

Details page



Location : Home page > Stock > Detail

- A page show a blood group and unit details.
- This page can access a admin

Delete page

DELETE DONOR

Donor Id: 5

Full Name: maru bhautik Email: marubhautik@gmail.com

Father Name: bhagvanjibhai Blood Group: AB+

Mother Name: premilaben City: Rajkot

Date Of Birth: 03/04/2002 Complete Address: Veraval (shapar)

Mobile No: 6354092795

Gender: Male

Location : Home page > Delete > Delete

- The blood donor database status scan be false.
- It cannot be a donor delete data.

FUTURE REQUIREMENT OF **PROJECT**

- **There is some Functionality and features of project**

- i. More Stable Screen Resolution
- ii. License Key
- iii. Client's Login with deferent Manu
- iv. More Stable

LIMITATION OF PROJECT

- There is limitation of the Project
 - i. Screen Resolution
 - ii. application cannot delivery blood at home.
 - iii. it doesn't have online appointment feature.

WEBLIOGRAPHY

➤ www.stackoverflow.com

➤ www.javatpoint.com

➤ Google

➤ YouTube