



Anekant Education Society's
**Tuljaram Chaturchand College of Arts, Science
and Commerce (Autonomous), Baramati.**

A
PROJECT REPORT
ON 4 th April 2022

“Blood Bank Managment System”

**Submitted to Savitribai Phule Pune University,
Pune. For T.Y.B.Sc. (Comp.Sci.)**

By :

Name Markad Pruthviraj Dattatray (Roll No. 12124)

UNDER THE GUIDANCE OF

Your Guide Name Prof Kalyani Londhe

Academic Year : 2021 – 2022



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CERTIFICATE

This is to certify that the project entitled “**Blood Bank Managment System**” submitted by **Markad Pruthviraj Dattatray** in partial fulfillment of the requirement of the award of degree B.Sc.(Comp.Sci.) to Savitribai Phule Pune University, Pune has been carried out by them under my guidance satisfactorily during the academic year 2021-2022.

Date : 04/04/2022

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Problem Solving:

It is difficult to maintain a hardcopy of records. To search, delete or to update information of any record is very difficult to solve this problem and to overcome such issues we have created this online Blood Bank Availability System by using this system it is easy to find any particular records details very easy to update or delete records. The Systems is user friendly and affordable.

Scope of the System:

The main purpose of the project to build an application program to reduce manual work for managing information of blood groups. The aim is to automate its existing manual system with help of computerized equipment and computer software fulfilling their requirements. It tracks all the information of blood donor, blood acceptor, blood groups and etc....

It may help collecting perfect management of Blood Bank Availability System. The System is absolutely easy to understand. Easy to operate, secure.

System Requirement:

- A good device with active internet connection.
- A user with little knowledge of computer system.

Hardware requirement:

- 1) Processor: -Pentium 4
- 2) Operating system: -Window XP
- 3) RAM: -256MB
- 4) Hard disk: -80GB

Feasibility study:

- 1) The feasibility study is conducted to select the best that meets the required performances.

- 2) The main objectives of a feasibility study are to test the technical, operational and economical feasibility of developing computer system.
- 3) This is done by investigation of existing system in the area under investigation and generating ideas about new system.

Feasibility Study are as follows-

1)Operational Feasibility:

The system is user friendly and it is menu driven system and much easier to operate the interface of the system and the screen display is quite clear. There are menus by which the user can be led to system operation.

2)Technical Feasibility:

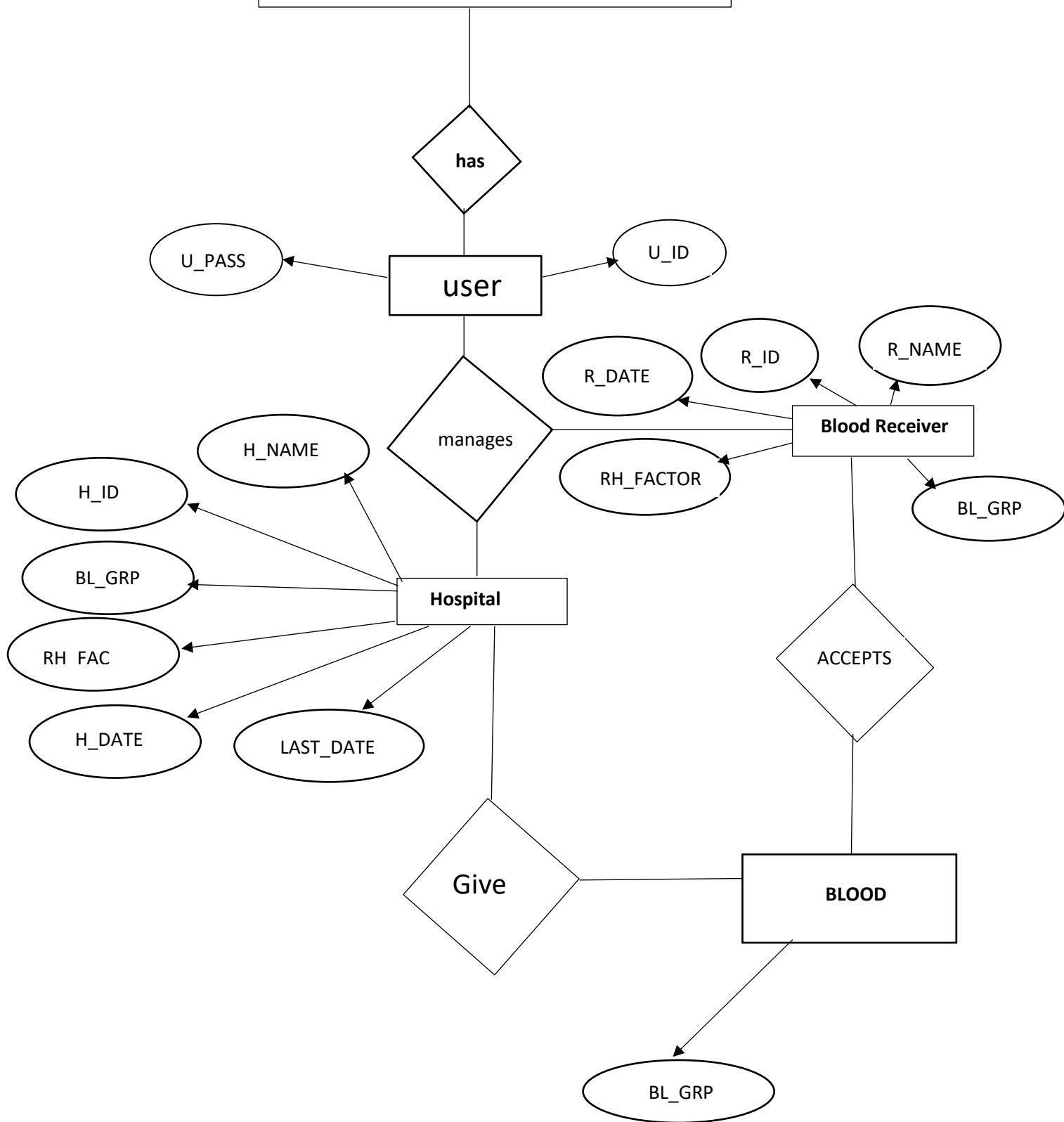
This involves the study how to handles the machine. So, the technical feasibility means to the employee for the better performance and reduce time of working.

3)Economical Feasibility:

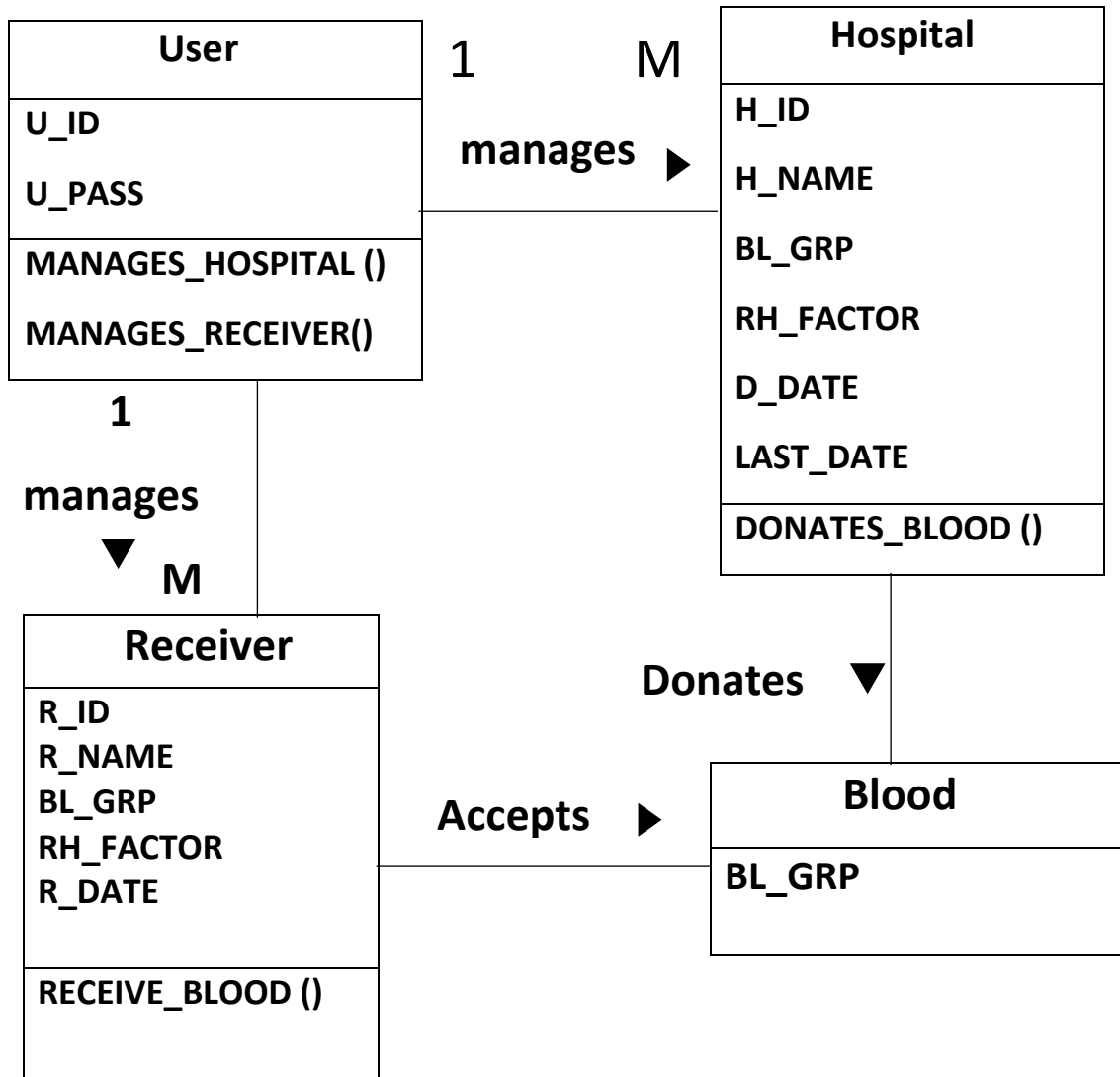
The system is going to reduce the time and human requirement, it should to be financially and economically feasible. The technique of cost benefit analysis is often use as a basis for assessing economic feasibility. This feasibility shows the manpower cost.

ER Diagram:

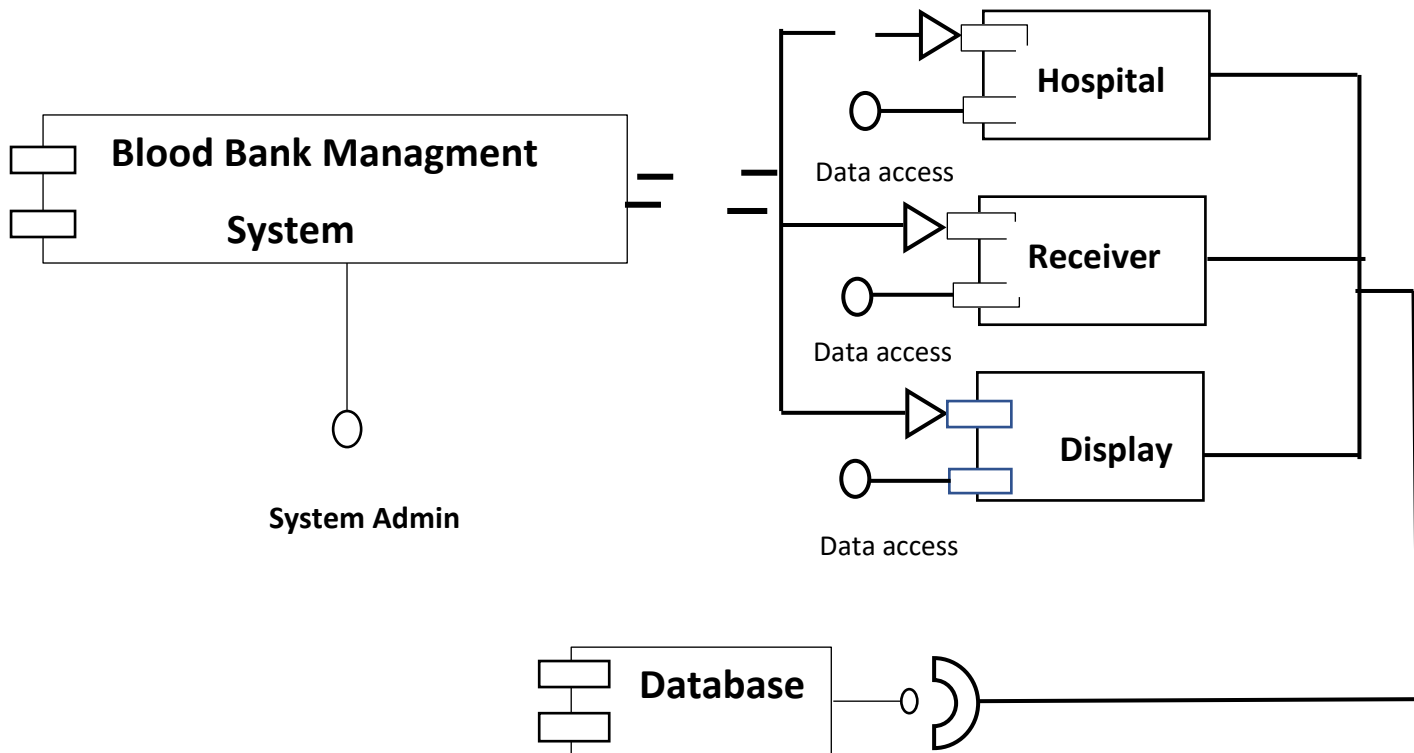
Blood Bank Managment System



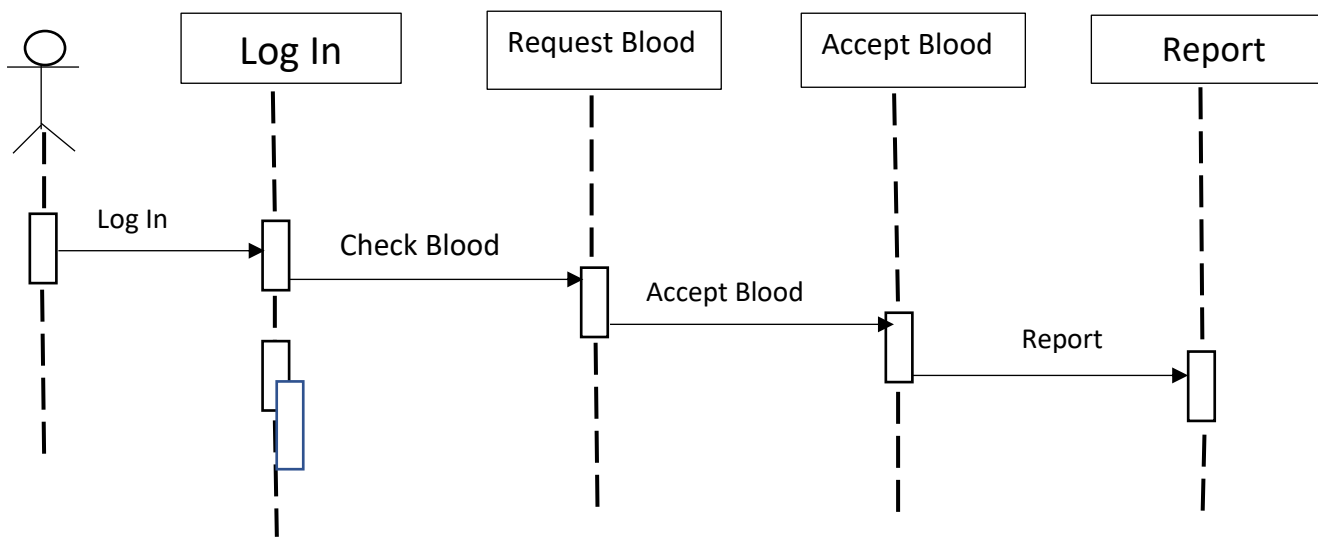
Class Diagram:



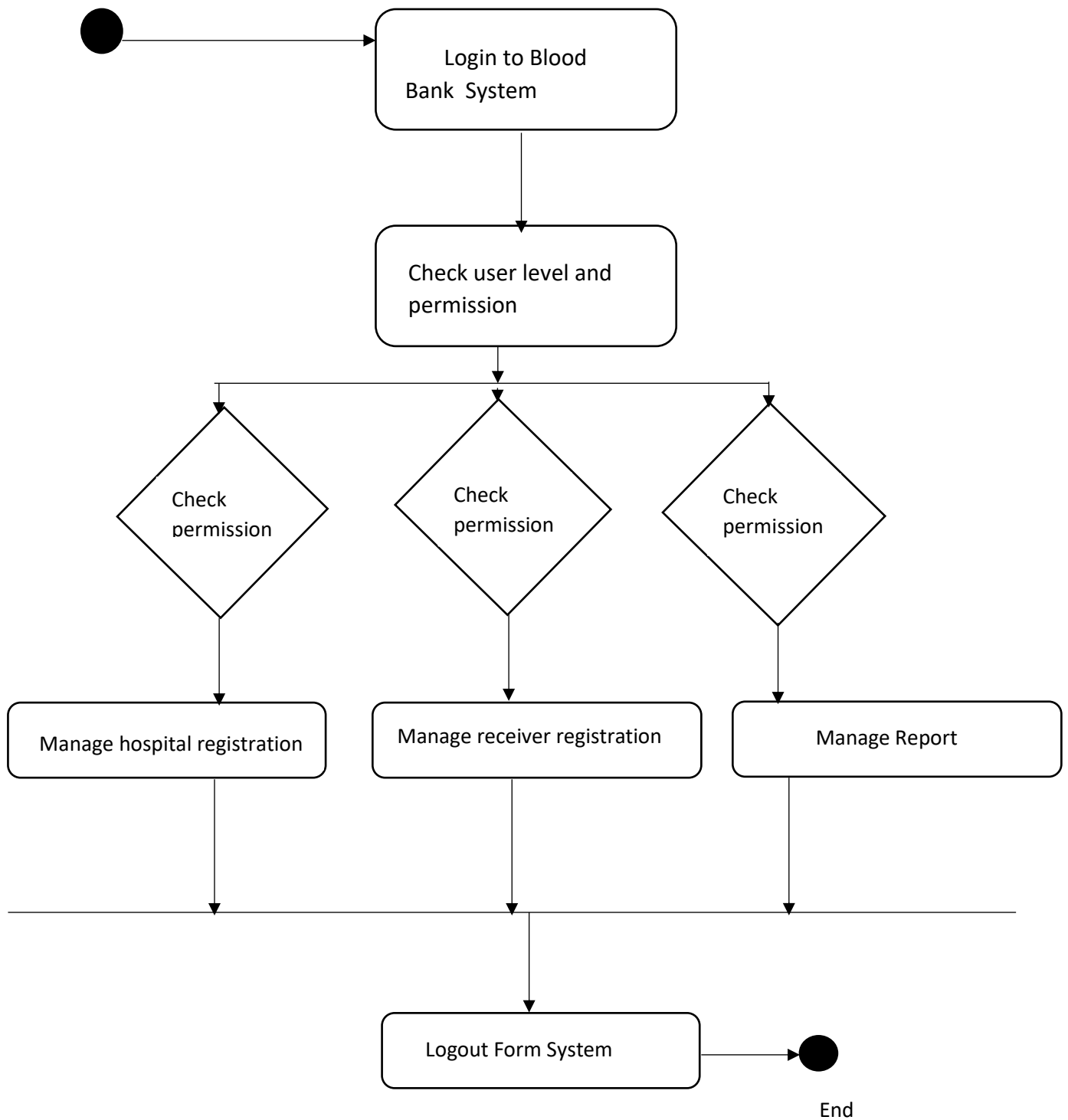
Component Diagram:



Sequence Diagram:



Activity Diagram:



Input Pages:

Home page:



Blood Bank Management

Available blood samples

Register

Login

A+

If you are A+: You can give blood to A+ and AB+. You can receive blood from A+, A-, O+ and O-

A-

If you are A-: You can give blood to A-, A+, AB- and AB+. You can receive blood from A- and O-.

B+

You can give blood to A+ and AB+. You can receive blood from A+, A-, O+ and O-.

Hospital and Receiver Registration:



Blood Bank Managment

Available blood samples

Register

Login

Hospital Registration

Register

Already have account?

Receiver Registration

Register

Already have account?

Receiver Login Page:



Blood Bank Managment

Available blood samples

Register

Login

Receiver Login

[Don't have account?](#)



Hospital Login Page:



Blood Bank Managment

Available blood samples

Register

Login

Hospital Login

[Don't have account?](#)



Receiver Successful Login:



Blood Bank Managment

x PRUTHVIRAJ DATTATRAY MARKAD have logged in.

Check request Status

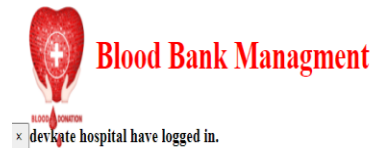
Available blood samples

Logout

Available Blood Samples

No	Hospital Name	Hospital City	Hospital Email	Hospital Phone	Blood Group	Date and Time	Action
1	Wadias Hospital	pune	wadiashospital@gmail.com	9658746321	AB+	2022-03-27 11:41:42	Request Sample
2	Mukunda Hospital	solapur	mukundahospital@gmail.com	7896654221	B+	2022-03-27 11:41:42	Request Sample
3	Sahyadri Hospital	phaltan	sahyadrihospital@gmail.com	9874561230	O-	2022-03-27 11:41:42	Request Sample
4	devkate hospital	baramati	devkatehospital@gmail.com	7865376358	A+	2022-03-27 12:15:12	Request Sample
5	devkate hospital	baramati	devkatehospital@gmail.com	7865376358	AB+	2022-04-04 10:01:05	Request Sample

Hospital Successful Login:

[Add blood info](#)[Check Pending Request](#)[Available blood samples](#)[Logout](#)

Pending Blood requests

No	Name	Email	City	Phone	Blood Group	Date and Time	Status	Action
1	PRUTHVIRAJ DATTATRAY MARKAD	pruthvirajmarkad100100@gmail.com	indapur	8530231682	A+	2022-03-27 11:37:01	You have Accepted	Accepted Reject
2	suraj balaso lokhande	surajlokhande@gmail.com	virar	9689161875	A+	2022-03-27 12:05:08	You have Accepted	Accepted Reject
3	rohan hanumant kadam	rohankadam@gmail.com	natepute	9874561230	A+	2022-03-27 12:25:34	You have Accepted	Accepted Reject
4	tushar tunge	tushartunge@gmail.com	indapur	9234567890	AB+	2022-04-04 16:49:03	You have Accepted	Accepted Reject

Report Layout:

Available Blood Sample:



Blood Bank Management

Available blood samples

Register

Login

Available Blood Samples

No	Hospital Name	Hospital City	Hospital Email	Hospital Phone	Blood Group	Date and Time	Action
1	Wadias Hospital	pune	wadiashospital@gmail.com	9658746321	AB+	2022-03-27 11:41:42	Request Sample
2	Mukunda Hospital	solapur	mukundahospital@gmail.com	7896654221	B+	2022-03-27 11:41:42	Request Sample
3	Sahyadri Hospital	phaltan	sahyadrihospital@gmail.com	9874561230	O-	2022-03-27 11:41:42	Request Sample
4	devkate hospital	baramati	devkatehospital@gmail.com	7865376358	A+	2022-03-27 12:15:12	Request Sample
5	devkate hospital	baramati	devkatehospital@gmail.com	7865376358	AB+	2022-04-04 10:01:05	Request Sample

Receiver Blood Request Status:



Blood Bank Management

[Check request Status](#)

[Available blood samples](#)

[Logout](#)

Blood Request Status

No	Name	Email	City	Phone	Blood Group	Date and Time	Status	Action
1	devkate hospital	devkatehospital@gmail.com	baramati	7865376358	A+	2022-03-27 11:37:01	Accepted	
2	Mukunda Hospital	mukundahospital@gmail.com	solapur	7896654221	B+	2022-03-27 11:37:01	Accepted	
3	Sahyadri Hospital	sahyadrihospital@gmail.com	phaltan	9874561230	O-	2022-03-27 11:37:01	Accepted	

Pending Blood Request:



Blood Bank Managment

Add blood info

Check Pending Request

Available blood samples

Logout

Pending Blood requests

No	Name	Email	City	Phone	Blood Group	Date and Time	Status	Action
1	PRUTHVIRAJ DATTATRAY MARKAD	pruthvirajmarkad100100@gmail.com	indapur	8530231682	A+	2022-03-27 11:37:01	You have Accepted	Accepted Reject
2	suraj balaso lokhande	surajlokhande@gmail.com	virar	9689161875	A+	2022-03-27 12:05:08	You have Accepted	Accepted Reject
3	rohan hanumant kadam	rohankadam@gmail.com	natepute	9874561230	A+	2022-03-27 12:25:34	You have Accepted	Accepted Reject
4	tushar tunge	tushartunge@gmail.com	indapur	9234567890	AB+	2022-04-04 16:49:03	You have Accepted	Accepted Reject

Hospital Available Blood:



Blood Bank Managment

Add blood info

Check Pending Request

Available blood samples

Logout

Add blood group available in your hospital

Blood Group ▾

Add

[Cancel](#)

Blood Bank			
No	Blood Samples	Date and Time	Action
1	A+	2022-03-27 12:15:12	Delete
2	AB+	2022-04-04 10:01:05	Delete
3	AB-	2022-04-07 14:46:26	Delete

Future Enhancements:

In near future we are planning to update are system little bit and some new features which will help user to search details of blood bank online.User can also message module.

Conclusion:

This “Blood Bank Availability System” helps user to get information about donar,acceptor,etc.

Simillarly this package also gives following facilities:

- Addition of new records.
- Update of existing records.
- Fast and easy access of forms and records.

Biblography:

- 1) www.w3school.com
- 2) Wekipedia.org
- 3) www.projectz.org