**Blood Bank Management System**

Blood Bank Management System (BBMS) is an online portal. BBMS is basically a system that helps donors/requestor to register themselves, check blood availability, search for donor, request blood as well as check the approval status of the requested blood, donate blood and check status of the blood donated. The administrator of the blood bank can approve donation of blood as well as approve blood to the requestor.

The following are the few important modules in the system

a) User registration

b) Check blood availability/Donor availability

c) Request blood and check status

d) Donate blood and check status

e) Approve/Reject request for donation/acquisition of Blood

The scope of the system is explained through its modules as follows

* User registration – will be used by the donor/requestor to register into the blood bank management system online portal.

When the users enter the following link http://localhost/BloodBankManagementPortal in the browser, Home page appears which will have a short welcome message; a brief introduction to the purpose of the Blood Bank Management Portal, the user can choose appropriate options.

Under home page, we need below interface for Admin, Donor, Requestor

This module will be used by the donor, requestor to register into the blood bank management system online portal.

System should generate a unique user id and update the database.

* Check blood availability/Donor availability - will be used by the user to check blood availability.

This should capture the following fields

User ID

Unique id of the user generated at the time of registration

First Name

User’s first name

Last Name

User’s last name

Blood Group

Blood Group of the user

City

City of the user

* Request blood and check status - will be used by the requester to request blood.

This should capture the following details

Requester ID - Unique id of the requester generated at the time of registration

Patient Name - Patient’s full name

Required Blood Group - The blood group required

City - City

Doctor’s Name - The full name of the doctor

Hospital Name and Address - The name and address of the hospital in which the patient is joined

When - The date on which the blood is required

Contact Name - The name of the person to contact

Contact Number - The phone number of the person to contact

Contact Email Id - The email id of the person to contact

Message - Custom message with the request

* Donate blood and check status - will be used by the donor to request for donating blood.

This should capture the following details

• Patient Id – Represents the Patient Id

• Time of the Day – Represents the Time of the Day at which Glucose levels are entered.

• Blood glucose level – Represents the Blood glucose level.

• Notes – Represents the Notes given by the user

* Approve/Reject request for donation/acquisition of Blood - will be used by the admin to approve or reject request for blood

The admin should be shown with the below details before approval/rejection which should be retrieved from the database:

This should capture the following fields

1. Requester ID - Unique id of the requester generated at the time of registration

2. Patient Name - Patient’s full name

3. Required Blood Group - The blood group required

4. City - City

5. Doctor’s Name - The full name of the doctor

6. Hospital Name and Address - The name and address of the hospital in which the patient has joined.

7. Date of Requirement - The date on which the blood is required

8. Contact Name - The name of the person to contact

9. Contact Number - The phone number of the person to contact

10. Contact Email Id - The email id of the person to contact

11. Message - Custom message with the request

12. Status - Status of the request