

# BLOOD BANK MANAGEMENT SYSTEM

**Introduction** -> The population of the world is multiplying with each coming year and so are the diseases and health issues. With an increase in the population there is an increase in the need of blood.

## Blood Bank Web Application

This module consists of the process of how the requests from recipients for the required blood are served. The Blood Bank first checks whether the request is a valid one. After validation it checks the hospital's database to ensure that the required amount of blood is not available in that hospital and after the request is served. The blood bank module also consists of requesting the blood when urgently needed from other banks and from the registered donors who have kept their status as available for further contact.

**Description:** The Home page offers three options to the blood banks and hospitals:

**Check availability:** Availability of blood in the blood banks can be checked.

**Request blood:** Request for the required blood can be made to the blood banks

**Update:** The hospital/blood bank can update the status of their blood inventory

## **Donors**

From this module user can create their account, when user create his account the user get a user id and password which identifies him uniquely. From this module user can search donor for blood and can also refer his friend to become a donor. Donor can also get information like when he donated blood or when he will be able to donate blood.

## **Donors Registration**

In this module, people who are interested in donating blood get registered in my site and give his overall detail

related to him, i.e. he fills in a registration form by giving the total details such as name, address, city, blood group, telephone numbers, email address, etc. -e was also given two fields\$ username and password to such that he was a registered donor and he can enter the login form with his username and password and can modify his details if needed.

## **Modifying Donors Information:**

The registered donor only is able to modify his details; no other person can modify his details as there was a form which restricts others from entering the username and password providing high security for the details by the donor. If at all the donor wants to modify his details, he was forced to give his username and password enter in. After giving the username and password it checks for the donor whether he is an existing donor or not if the username and password matches, he can then able to modify his total details. If the username and password do not exist then he gets a message as 'Wrong ID and Password Entered, Try Again'

**Following Links are available on donor and acceptor module.**

- **Why donate blood**
- **Who needs blood**
- **Find a donor**
- **Refer a Friend**
- **Change Password**
- **Logout**

## **Acceptor:**

This module helps user to find blood group. When user click on find a blood group system ask him to enter blood group he want to search. After entering the blood group, system search for the availability of the blood group a give him the list of the donors who has the same blood group. Whenever a user wants to change password he select the change password option. Then system asks the user to enter old username and password then system check the credentials and change the password. Clicking on logout button user can log out from the system.

## **Donor Search:**

The people who are in need of blood can search in our site for getting the details of donors having the same blood group and within the same city. They can directly click on the link search a donor and can select a city name as well as the blood group which he needs. He then gets the details of the donors who exist within the city and the same blood group that he has selected. If no match was are found for the city and group selected by him he get message “ Sorry Donor are not available with following blood group”

## Life Saving Contacts:

If at all the people in search of a donor doesn't get any match for their area and group then they will be provide service i.e. he will be given a contact person details for their nearby cities who have the details of many other donors with him. The people in search can call him and can get the details of the donors and can be provided services in this manner. But this life saving contact persons can be available only for a limited number of cities not for all. These contact persons are the authorized persons of my blood bank.



