

Functional Requirements

1. Access Plasma Donor Website Application:

User should be able to access web-application through either an application browser or similar

service on the mobile phone or computer. No hindrance should be faced by users or donors when accessing the application.

2. User Registration:

Upon successful access , the user should be able to register through the application. The donor user must provide first name, last name, gender, blood group, location, contact ,address, username and password.

3. User log-in:

After registering , then the user should be able to login to the web-application.

4. Search :

All registered users must have the provision to search for plasma donors available by specifying the blood group and the location to be able to get immediate access. The search result should include the name , address , blood group , gender and the contact information of the donor.

5. Request Plasma:

The users after looking at the search results , should be able to place requests to avail plasma . The request is redirected to donation centres . The centres check the inventory and the availability status and respond to the request.

6. View Request:

The Blood Bank should be able to view requests from donors and then respond to them and can search requests by selecting the blood group .

7. Search Blood Bank Stock:

On receiving the order, the stock in the Inventory will be searched to check for availability for the requested types. On finding matches , the required/available units will be sent to the Hospitals.

8. View Order Details:

The Hospital and Bank should be able to view the OrderId, time of the order placed, name of the hospital, location and the address of the hospital.

