

Dhirubhai Ambani Institute of Information and Communication Technology



BLOOD BANK MANAGEMENT SYSTEM

GROUP NO: 11

| | |
|------------------------|------------------|
| KANIKA AGRAWAL | 201812045 |
| MAHIMA GAJIWALA | 201812062 |
| PRACHI JAIN | 201812070 |
| DHWANI KSHTRIYA | 201812077 |
| YASH MEHTA | 201812085 |
| DEVARSHI SHAH | 201812094 |
| SONIYA VAIDYA | 201812113 |
| DENISH MANIYA | 201812118 |
| YOGESH THAKKAR | 201812121 |

GUIDED BY

PROFESSOR ASIM BANERJEE

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Blood Bank Management System

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1. Introduction

1.1. Purpose

The purpose of making this system is to control various activity performed in blood bank by using blood bank management system. This system maintains the records of all donors, blood banks, hospitals, camps, camp organizers and blood requests and also maintain the blood stock records and discard it as required.

1.2. Scope

- This system will help to improve the reliability of the data maintain and provide a fast and efficiencies for find blood from hospital, blood bank or donor.
- The main objective of blood bank management system is
 - Manage details properly
 - Maintaining the details of all stakeholders
 - Maintain Blood stock

1.3. Design and Implementation Constraints

1.3.1. Tools & Technology

- Front-end: HTML5, CSS, Bootstrap, JavaScript, JQuery
- Back-end: PHP 7.0
- Server: SMTP, XAMPP server
- Database: MySQL

1.4. Hardware Interfaces

1.4.1. User and Developer side: -

- There are no hardware interfaces to this software system.
- The only interfaces are through a computer system/mobile phone and a running internet.

1.5. Software Interfaces

1.5.1. Development Side: -

- We will use PHP language for developing our system.

1.5.2. Database Server: -

- We will use PHPMyAdmin server to store the information.

1.6. Communications Interfaces

We provide two type of notification functionality to our users.

1. Text Message
2. Email

To send message from web server to user mobile system will use SMPP (Short Mail Peer to Peer Protocol).

To send mail from web server to user mail account system will use SMTP (Simple Mail Transfer Protocol).

2. System Analysis

2.1. Identification of Stakeholder

1. Admin

- View user's details
- Add user
- Send Reminder

2. Donor

- Register in the system

3. Recipient

- Send blood request

4. Hospital

- Maintain blood stock
- Add recipient
- Maintain blood request

5. Camp Organizer

- Organize camp
- Upload donor details

6. Blood Bank

- Maintain blood stock
- Add recipient
- Maintain blood request

2.2. Functional Requirement

1. User Login
2. Donor Registration
3. Hospital Registration
4. Blood bank Registration
5. Camp organizer Registration
6. Organizing camp
7. Blood request
8. Notify detail of expired stock
9. Camp notification
10. Blood request notification
11. Upload blood collection detail

2.3. Non- Functional Requirement

2.3.1. Performance Requirements

- The system needs to be reliable.
- If the process doesn't complete properly, appropriate error message will display.

2.3.2. Safety Requirements

- After entering user id and password the user can access his/her profile.
- The details need to be maintained properly.
- Users must be registered.

2.4. Initial Requirement Document

2.4.1. Version1

| | |
|--|--|
| Title of the project: | Blood Bank Management System |
| Stakeholders involved in capturing requirements: | Owner of the blood bank (Shraddha deep blood bank) |
| Techniques used for requirement capturing: | Oral communication |
| Name of the person: | Dr. Dinesh Rathod |
| Date: | 12 February 2019 |
| Version: | 1 |
| Consolidated list of initial requirements: 1. Identify donor's role in the system. 2. Check donor is eligible for blood donation or not? 3. There is no legal constrain for blood stock in hospital or blood bank. 4. Recipient need requisition form for collect blood from hospital or blood bank. | |

Blood Bank Management System

2.4.2. Version2

| | |
|---|---|
| Title of the project: | Blood Bank Management System |
| Stakeholders involved in capturing requirements: | Admin of the blood bank and collage of civil hospital |
| Techniques used for requirement capturing: | Oral communication |
| Name of the person: | Narayan Sir (Admin of blood bank) Sumit Chaudhry (Admin of hospital) |
| Date: | 13 February 2019 |
| Version: | 2 |
| Consolidated list of initial requirements: <ol style="list-style-type: none">1. Capacity of blood based on the chemical added into the blood (generally 32 days).2. Maintain camp details.3. Notify donors about camp.4. Manage blood stock details.5. Manage request of recipient. | |

Blood Bank Management System

2.4.3. Version3

| | |
|--|--|
| Title of the project: | Blood Bank Management System |
| Stakeholders involved in capturing requirements: | Medical Superintendent of civil hospital |
| Techniques used for requirement capturing: | Oral communication |
| Name of the persons: | Dr. Niyati Lakhani |
| Date: | 19 February 2019 |
| Version: | 3 |
| Consolidated list of initial requirements: 1. How blood bank provide blood to other blood banks or patients. 2. The process to use data of the civil hospital. | |

2.4.4. Version4

| | |
|--|------------------------------|
| Title of the project: | Blood Bank Management System |
| Stakeholders involved in capturing requirements: | Head of the civil hospital |
| Techniques used for requirement capturing: | Oral communication |
| Name of the persons: | Dr. Harshid |
| Date: | 26 February 2019 |
| Version: | 4 |
| Consolidated list of initial requirements: <ol style="list-style-type: none">1. Discard bloods after specific period of time (generally after 32 days and then based on chemical added into the blood at the time of storage).2. Discard bloods for specific reason.3. Notify donors about camp and blood demands. | |

2.4.5. Version5

| | |
|--|---|
| Title of the project: | Blood Bank Management System |
| Stakeholders involved in capturing requirements: | Medical Director & CEO of AASHKA Hospital |
| Techniques used for requirement capturing: | Oral communication |
| Name of the persons: | Dr. Ankit Salot |
| Date: | 27 February 2019 |
| Version: | 5 |
| Consolidated list of initial requirements: 1. The way how hospital arrange the blood from blood bank. | |

2.5. Use Case Diagram



2.6. Use Case Description

| |
|---|
| Introduction: This use case diagram must be followed in order to design Blood Bank Management System |
| Actors: Camp Organizer, Donor |
| Precondition: All Stakeholders must be logged onto the system before the use case begins. |
| Precondition: If the use case is successfully, then respective actor will be able to perform tasks. |
| Event Flow: Basic Flow <ol style="list-style-type: none">1. Organizer can add camp.2. System will notify donors about camp.3. The information of camps is stored into the database.4. The system displays information of camps that are going to organized. |
| Special requirement: Donor should must running internet connection in order to receive notification of camp. |
| Associated use case: Login |

Table 1 Use case description of blood bank management system

Blood Bank Management System

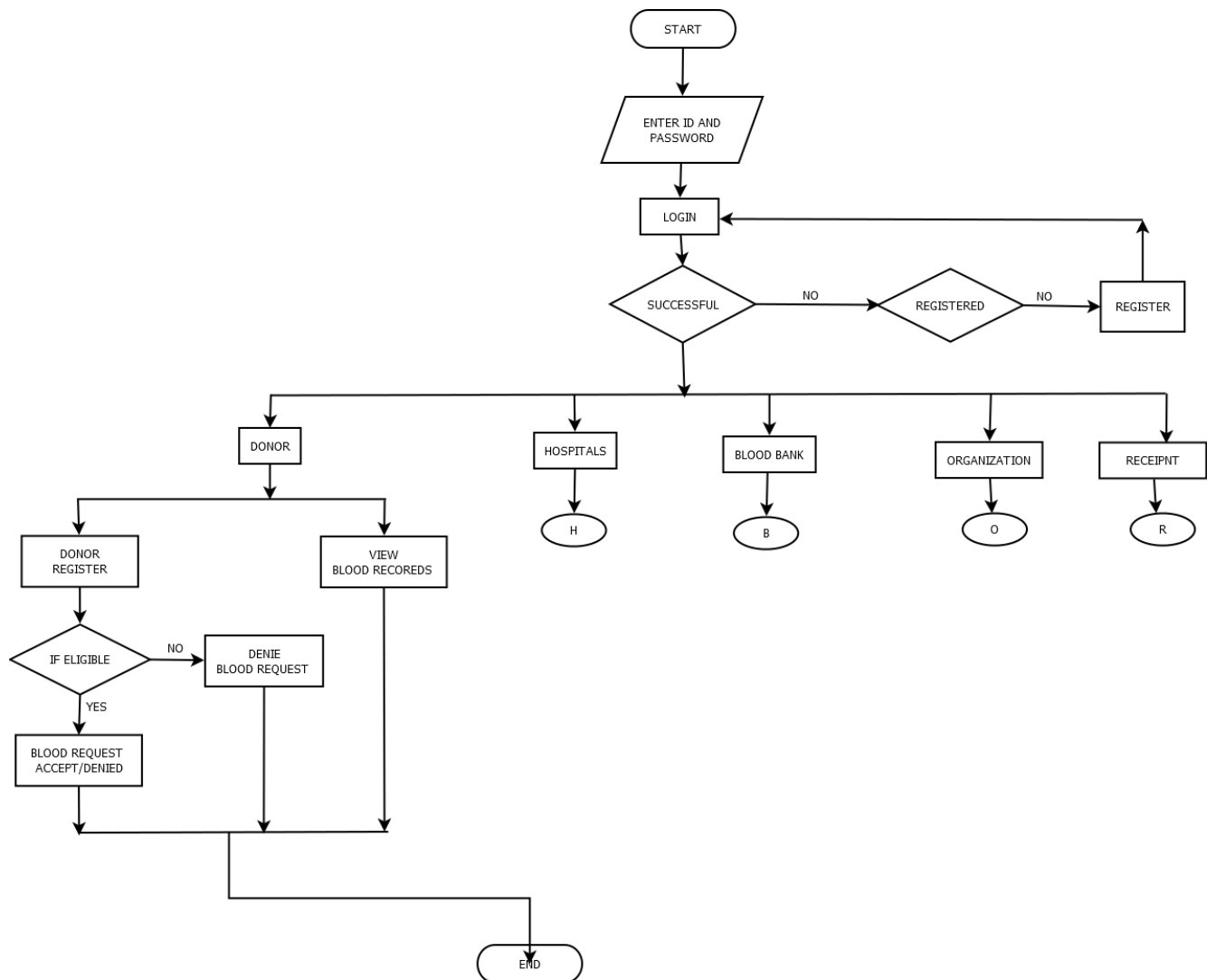
| |
|--|
| Introduction: This use case diagram must be followed in order to design Blood Bank Management System |
| Actors: Blood Bank, Hospital, Camp Organizer |
| Precondition: All Stakeholders must be logged onto the system before the use case begins. |
| Precondition: If the use case is successfully, then respective actor will be able to perform tasks. |
| Event Flow: Basic Flow <ol style="list-style-type: none">1. The blood request of recipient sends into hospitals and blood banks.2. If blood is available at any of the place, then they accept the blood request.3. Recipient will be notify if the blood request is accepted.4. Not accepted blood requests can be viewed by donors. |
| Special requirement: Donor should must running internet connection in order to receive notification of camp. |
| Associated use case: Login |

Table 2 Use case description of blood bank management system

| |
|--|
| Introduction: This use case diagram must be followed in order to design Blood Bank Management System |
| Actors: Blood Bank, Hospital, Camp Organizer |
| Precondition: All Stakeholders must be logged onto the system before the use case begins. |
| Precondition: If the use case is successfully, then respective actor will be able to perform tasks. |
| Event Flow: Basic Flow <ol style="list-style-type: none">1. Blood bank, Hospital and Camp organizer upload the file of donor's collected blood details.2. Then system will verify the data and if the data are valid then it allows to update database. |
| Special requirement: File should be in .CSV format. |
| Associated use case: Login |

Table 3 Use case description of blood bank management system

2.7. Flow Chart



2.8. Data Dictionary

2.8.1. tbl_organization

| Name | Datatype | Constraint | Description |
|--------------|--------------|-------------|---|
| org_email | varchar(50) | Primary Key | Unique identifier of organization table |
| org_name | varchar(50) | Not Null | Name of organization |
| org_contact | varchar(13) | Not Null | Contact number of organizations |
| org_password | varchar(50) | Not Null | Auto generated password of organization |
| org_address | varchar(100) | Not Null | Address of organization |

Blood Bank Management System

2.8.2. tbl_blood_bank

| Name | Datatype | Constraint | Description |
|--------------------|--------------|-------------|---|
| bloodbank_email | varchar(50) | Primary Key | Unique identifier of blood bank |
| bloodbank_name | varchar(50) | Not Null | Name of blood bank |
| bloodbank_area | varchar(20) | Not null | Region where blood bank is located Eg. Sector 22 |
| bloodbank_contact | varchar(13) | Not Null | Phone number of blood bank |
| bloodbank_address | varchar(100) | Not Null | Specific location of blood bank |
| bloodbank_password | varchar(12) | Not Null | Auto generated password of blood bank |

2.8.3. tbl_blood

| Name | Datatype | Constraint | Description |
|---------------------|-------------|-------------|--|
| blood_id | bigint | Primary Key | Unique identifier of blood stock |
| blood_donor_name | varchar(50) | Not Null | Name of blood donor |
| blood_group | varchar(3) | Not Null | Blood group of donor |
| blood_donor_gender | varchar(6) | Not Null | Gender of blood donor |
| blood_givenDate | date | Not null | Donation date |
| blood_donor_email | varchar(50) | Not Null | Email Id of blood donor |
| blood_donor_contact | varchar(13) | Not Null | Phone or contact number of blood donor |
| blood_status | int | Not Null | Status of the blood whether is it expired or not. If expired then 1 else 0 |

2.8.4. tbl_donor

| Name | Datatype | Constraint | Description |
|-------------------|--------------|-------------|--|
| donor_email | varchar(50) | Primary Key | Unique identifier of donor |
| donor_name | varchar(50) | Not Null | Name of blood donor |
| donor_gender | char(1) | Not Null | Gender of blood donor |
| donor_dob | date | Not null | Birthdate of blood donor |
| donor_city | varchar(20) | Not null | City where blood donor lives |
| donor_area | varchar(20) | Not null | Region where blood donor's house is located |
| donor_address | varchar(100) | Not null | Specific location of blood donor's residence |
| donor_contact | varchar(13) | Not Null | Phone or contact number of blood donor |
| donor_blood_group | varchar(3) | Not Null | Blood group of donors |
| donation_date | date | Not Null | Date of previous blood donation |

Blood Bank Management System

| | | | |
|-----------------------|-------------|----------|---|
| donor_service | char(1) | Not null | Approach of notifying the donor Eg. Via SMS or Email |
| donor_donation_months | int | Not Null | Months duration of donating blood which donor prefers |
| donor_password | varchar(12) | Not null | Auto generated password for blood donor |

2.8.5. tbl_hospital

| Name | Datatype | Constraints | Description |
|-------------------|--------------|-------------|--------------------------------------|
| hospital_email | varchar(50) | Primary Key | Unique identifier of hospital |
| hospital_name | varchar(50) | Not Null | Name of hospital |
| hospital_area | varchar(20) | Not Null | Region where hospital is located |
| hospital_contact | varchar(13) | Not Null | Phone or contact number of hospitals |
| hospital_address | varchar(100) | Not null | Specific location of hospital |
| hospital_password | varchar(50) | Not null | Auto generated password for hospital |

2.8.6. tbl_recipient

| Name | Datatype | Constraints | Description |
|-----------------------|--------------|-------------|---|
| recipient_id | bigint | Primary Key | Unique identifier of recipient |
| recipient_name | varchar(50) | Not Null | Name of requester |
| Patient_name | Varchar(20) | Not Null | Name of patient |
| recipient_gender | char(1) | Not Null | Gender of patient |
| recipient_blood_group | char(3) | Not Null | Blood group of patient |
| recipient_contact | varchar(13) | Not Null | contact number of recipient |
| recipient_area | varchar(20) | Not null | Region where recipient's house is located |
| recipient_address | varchar(100) | Not null | Address of recipient |
| recipient_relation | varchar(30) | Not Null | Relation of recipient with patient |
| hospital_name | varchar(50) | Not Null | Name of the hospital |
| doctor_name | varchar(50) | Not null | Name of the doctor |
| recipient_status | char(1) | Not null | Status of blood request is |

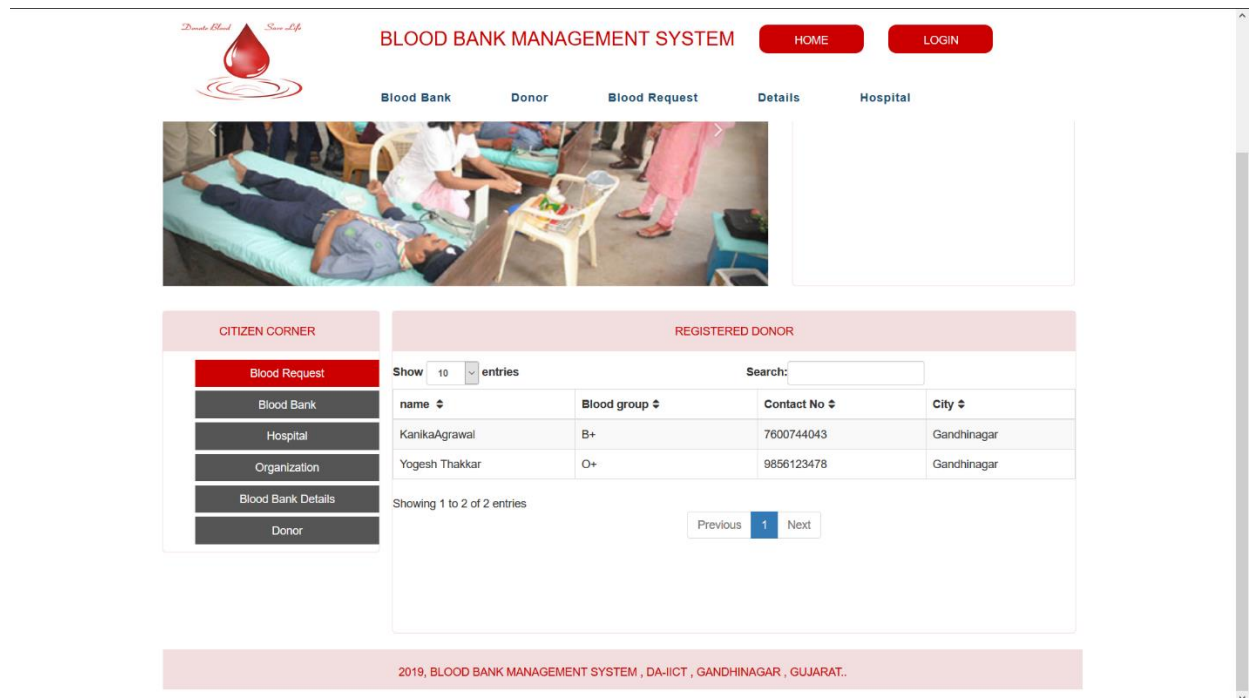
2.8.7. tbl_camp

| Name | Datatype | Constraints | Description |
|-----------------------|--------------|-------------|---|
| camp_id | bigint | Primary Key | Unique identifier of blood donation camp |
| camp_name | varchar(50) | Not Null | Name of blood donation camp |
| camp_org_email | varchar(50) | Not Null | Email Id of blood donation camp organizer |
| camp_venueDate | date | Not Null | Date when blood donation camp will be organized |
| camp_registrationDate | date | Not null | Date when blood donation camp has registered |
| camp_location | varchar(100) | Not null | Place or venue where the blood donation camp will be held |
| camp_time | time | Not null | Time from when the blood donation camp will be started |
| camp_contact | varchar(13) | Not Null | contact number of camp |

2.8.8. tbl_admin

| Name | Datatype | Constraints | Description |
|----------------|-------------|-------------|---|
| admin_email | varchar(50) | Primary Key | Unique identifier of admin |
| admin_name | varchar(50) | Not Null | Name of admin |
| admin_contact | varchar(13) | Not Null | Phone or contact number of admin |
| admin_password | varchar(50) | Not null | Auto generated password for admin |
| admin_status | int | Not null | If status is 1 then admin is super admin and 0 depicts sub admins |

3. User Interface Design

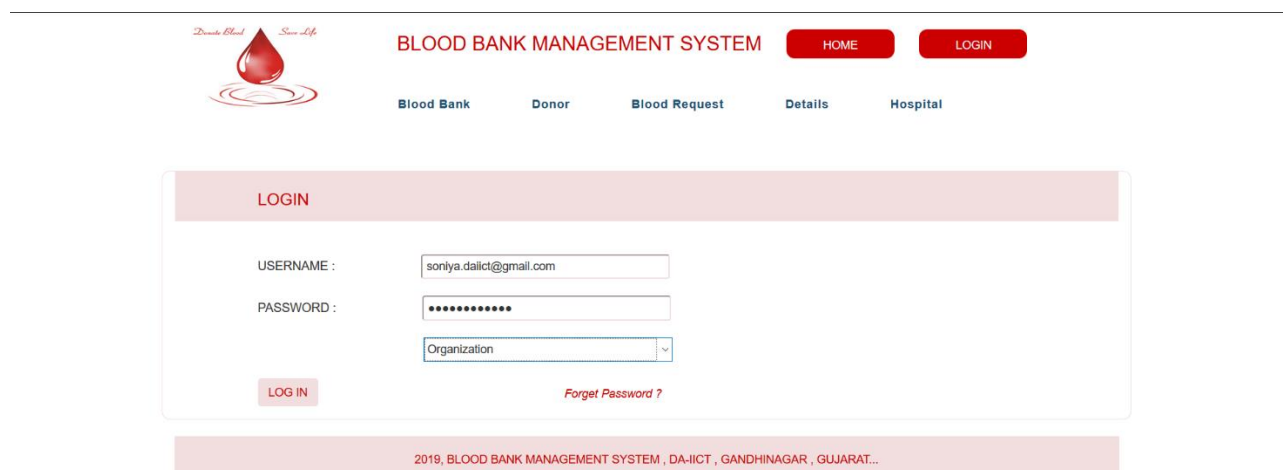


The screenshot shows the home page of the Blood Bank Management System. The header includes a logo with the text "Donate Blood Save Life", the system name "BLOOD BANK MANAGEMENT SYSTEM", and navigation buttons for "HOME" and "LOGIN". Below the header is a navigation bar with links for "Blood Bank", "Donor", "Blood Request", "Details", and "Hospital". The main content area features a large image of a person donating blood. Below this is a "CITIZEN CORNER" sidebar with links for "Blood Request", "Blood Bank", "Hospital", "Organization", "Blood Bank Details", and "Donor". The main section is titled "REGISTERED DONOR" and displays a table of donors. The table has columns for "name", "Blood group", "Contact No", and "City". It shows two entries: KanikaAgrawal (B+) and Yogesh Thakkar (O+). The footer contains the text "2019, BLOOD BANK MANAGEMENT SYSTEM , DA-IICT , GANDHINAGAR , GUJARAT..".

| name | Blood group | Contact No | City |
|----------------|-------------|------------|-------------|
| KanikaAgrawal | B+ | 7600744043 | Gandhinagar |
| Yogesh Thakkar | O+ | 9856123478 | Gandhinagar |

Login:


This page is used by different stakeholders to login to the system. Stakeholders are blood bank, donor, hospital, organization



The screenshot shows the login page of the Blood Bank Management System. The header is identical to the home page. The main content area is titled "LOGIN" and contains a form with fields for "USERNAME", "PASSWORD", and "Organization". The "USERNAME" field is pre-filled with "soniya.dalict@gmail.com". The "PASSWORD" field is masked with dots. The "Organization" field is a dropdown menu. Below the form is a "LOG IN" button and a link for "Forget Password?". The footer contains the text "2019, BLOOD BANK MANAGEMENT SYSTEM , DA-IICT , GANDHINAGAR , GUJARAT..".

Blood Bank Management System

Donate Blood
Save Life



BLOOD BANK MANAGEMENT SYSTEM

HOME

LOGIN

Blood Bank

Donor

Blood Request

Details

Hospital

LOGIN

USERNAME :

PASSWORD :


▼

LOG IN

Forget Password ?

2019, BLOOD BANK MANAGEMENT SYSTEM , DA-IICT , GANDHINAGAR , GUJARAT...

Donate Blood
Save Life



BLOOD BANK MANAGEMENT SYSTEM

HOME

LOGIN

Blood Bank

Donor

Blood Request

Details

Hospital

LOGIN

USERNAME :

PASSWORD :


▼

LOG IN

Forget Password ?

2019, BLOOD BANK MANAGEMENT SYSTEM , DA-IICT , GANDHINAGAR , GUJARAT...

Blood Bank Management System



BLOOD BANK MANAGEMENT SYSTEM

HOME

LOGIN

Blood Bank

Donor

Blood Request

Details

Hospital

LOGIN

USERNAME :

mahima@gmail.com

PASSWORD :

Donor

LOG IN

Forget Password ?

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Admin:

When admin log into the system, the following page is shown. It includes details such as how many donors, hospital, organization, camp is registered and what is the blood stock at present moment.

Home

Admin

Add Admin

View Admin

Donor

Add Donor

View Donor

Blood Bank

Add Bank

View Bank

Blood

View Blood

Hospital

Add Hospital

View Hospital

Organization

Add Organization

View Organization

Camp

View Camp


Recipient

View Recipient

Send Reminder

Blood Bank Management System


Welcome, Denish



Donors

Total donors


3



Hospital

Total hospitals


5



Organization

Total organizations


4



Camp

Total camps


14



Blood Stock

Total blood bottles

4



Administration

Total admins

2

27

Blood Bank Management System

Welcome, Denish



Donors
Total donors
3



Hospital
Total hospitals
5



Organization
Total organizations
4



Camp
Total camps
14




Blood Stock
Total blood bottles
4



Administration
Total admins
2

Blood Request:

This is the screen used to request the blood.



BLOOD BANK MANAGEMENT SYSTEM

HOMELOGIN

Blood BankDonorBlood RequestDetailsHospital

NAME OF RECIPIENT

Yash Mehta

GENDER OF PATIENT

MALE

RELATION

Brother

PATIENT NAME

Yogesh Thakkar

AREA

Sector 8

MOBILE NO

9712863112

ADDRESS

DAIICT

BLOOD GROUP

O+

NAME OF DOCTOR

Mitesh Shah


NAME OF HOSPITAL

Hi-Tech

REGISTRATION

2019, BLOOD BANK MANAGEMENT SYSTEM , DA-IICT , GANDHINAGAR , GUJARAT...

Blood Bank Management System



BLOOD BANK MANAGEMENT SYSTEM

[HOME](#)

[LOGIN](#)

[Blood Bank](#)[Donor](#)[Blood Request](#)[Details](#)[Hospital](#)

NAME OF RECIPIENT

GENDER OF PATIENT

MALE

RELATION

PATIENT NAME

AREA

Sector 1

MOBILE NO

ADDRESS

BLOOD GROUP

A+

NAME OF DOCTOR

NAME OF HOSPITAL


REGISTRATION

SUCCESS : SUCCESSFULLY REGISTERED

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Donor Registration:

Option for donation shows the months like 3, 6, or 12 months to donate again. It also has reminder service whether he/she want email or SMS or both.



BLOOD BANK MANAGEMENT SYSTEM

[HOME](#)

[LOGIN](#)

[Blood Bank](#)[Donor](#)[Blood Request](#)[Details](#)[Hospital](#)

NAME OF DONOR

GENDER

MALE

DATE OF BIRTH

20 / 02 / 1998

EMAIL

CITY

Gandhinagar

MOBILE NO

ADDRESS

BLOOD GROUP

O+

BLOOD DONATION DATE

31 / 10 / 2018

OPTION FOR DONATION

6

REMINDER SERVICE

BOTH


AREA

Sector 12

REGISTRATION

2019, BLOOD BANK MANAGEMENT SYSTEM , DA-ICT , GANDHINAGAR , GUJARAT...

Blood Bank Management System



BLOOD BANK MANAGEMENT SYSTEM

[HOME](#)

[LOGIN](#)

[Blood Bank](#)[Donor](#)[Blood Request](#)[Details](#)[Hospital](#)

NAME OF DONOR

GENDER

DATE OF BIRTH

EMAIL

CITY

MOBILE NO

ADDRESS

BLOOD GROUP

BLOOD DONATION DATE

OPTION FOR DONATION

REMINDER SERVICE

AREA

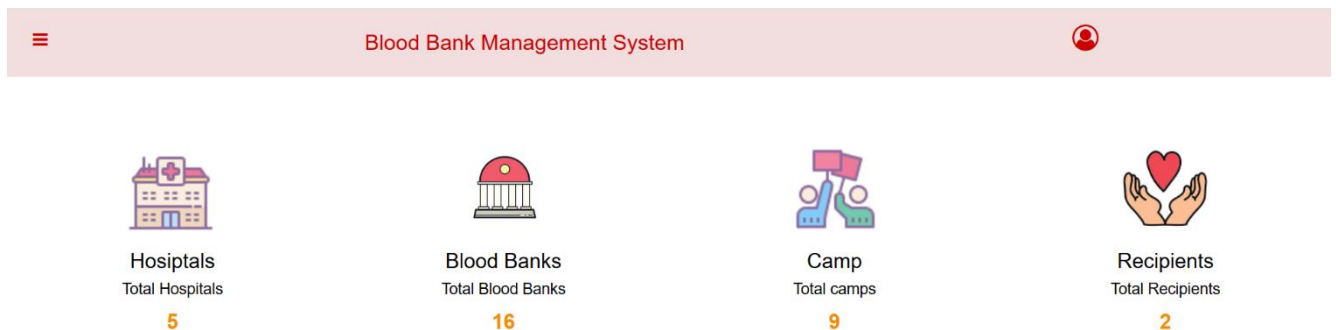
REGISTRATION

SUCCESS : SUCCESSFULLY REGISTERED

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Donor:

When donor logs into the system, then following screen shows up. It includes details such as total number of hospitals, blood banks, camps and the recipients.



Hospital Registration:

This is the screen for hospital registration. It included all the basic detail of the hospital.



BLOOD BANK MANAGEMENT SYSTEM

HOME

LOGIN

[Blood Bank](#)[Donor](#)[Blood Request](#)[Details](#)[Hospital](#)

NAME OF HOSPITAL

AREA

EMAIL

CONTACT NO

ADDRESS

REGISTRATION

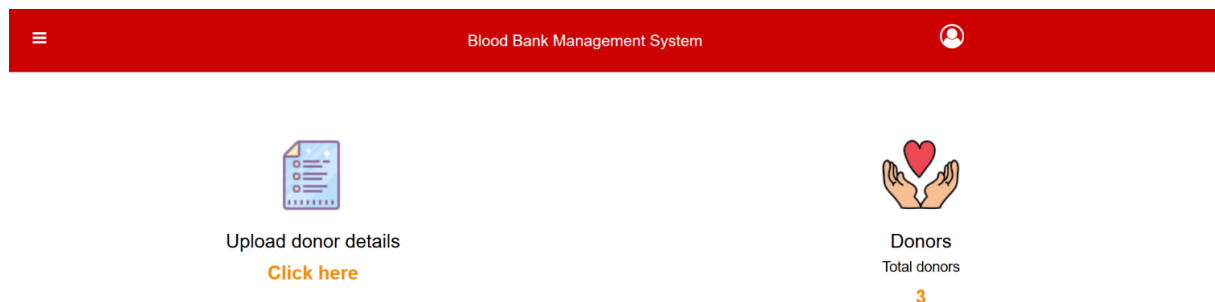
SUCCESS : SUCCESSFULLY REGISTERED

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Blood Bank Management System

Hospital Functionality:

Hospital can upload donor details and can see total number of donors registered on the system




Blood bank:

This screen is the registration screen of the blood bank.

A screenshot of the Blood Bank Management System registration screen for a blood bank. The page has a light pink background. At the top, there is a logo with a red blood drop and the text 'Donate Blood Save Life'. To the right of the logo is the text 'BLOOD BANK MANAGEMENT SYSTEM' and two red buttons labeled 'HOME' and 'LOGIN'. Below this is a navigation bar with five links: 'Blood Bank', 'Donor', 'Blood Request', 'Details', and 'Hospital'. The main content area is a registration form with the following fields: 'NAME OF BLOOD BANK' (text input with 'Shradhadeep Blood Bank'), 'AREA' (dropdown menu with 'Sector 17'), 'EMAIL' (text input with 'shradhadeep123@gmail.com'), 'CONTACT NO' (text input with '7436045558'), and 'ADDRESS' (text input with 'Behind Dena Bank'). A red 'REGISTRATION' button is at the bottom of the form. At the very bottom of the page, there is a footer with the text '2019, BLOOD BANK MANAGEMENT SYSTEM , DA-IICT , GANDHINAGAR , GUJARAT..'

Blood Bank Management System

Donate Blood Save Life



BLOOD BANK MANAGEMENT SYSTEM

HOME

LOGIN

Blood Bank

Donor

Blood Request

Details

Hospital

NAME OF BLOOD BANK

AREA

EMAIL

CONTACT NO

ADDRESS

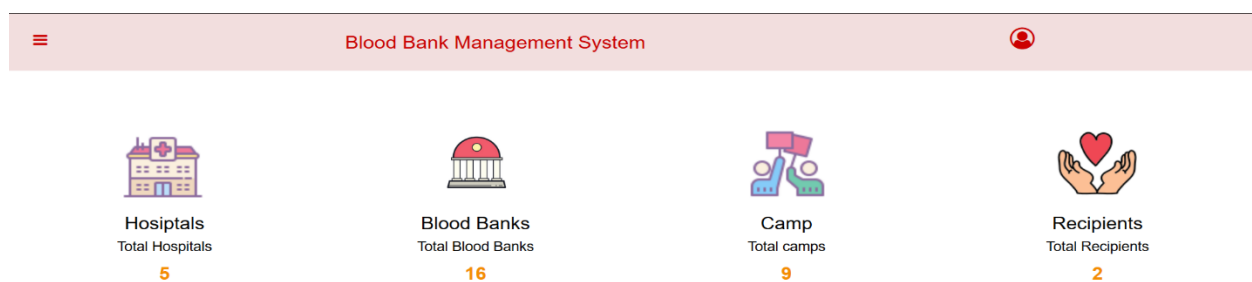
REGISTRATION

SUCCESS : SUCCESSFULLY REGISTERED

2019, BLOOD BANK MANAGEMENT SYSTEM , DA-ICT , GANDHINAGAR , GUJARAT..

Blood bank home:

This is the home screen of blood bank. It can upload the details and view donors.



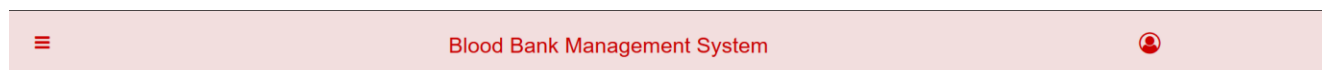
Blood Bank Management System

Details:

This is the blood bank detail screen. It shows all the information about the blood bank.





| Blood Bank Details | | | | |
|------------------------------|------------------------------|-----------|---|----------------|
| | | | | Search by Name |
| Blood Bank Name | Email | Area | Address | Contact |
| Jivanjyot Blood Bank | 201812077@dalict.ac.in | ahmedabad | Jivandeep Hospital, 63-A/ B Vijay Nagar, New Hospital Road | 9978564712 |
| A- One blood bank | dhwani.dalict@gmail.com | Sector 5 | near bata show room, opp. ab jewellers, ahmedabad | 9867512345 |
| Gayatri Voluntary Blood Bank | dhwani.kshatriya77@gmail.com | memnagar | Plot No.22,C.C.No.4784 Paiki,R.S.No.93,1 st Floor,Gayatri Temple | 9876123456 |
| Gujarat Blood Bank | mehtakishori65@gmail.com | paldi | 101,Span Trade Centre,Opp.Kochrab Ashram,Nr.Paldi Char Rasta | 9879568719 |
| Karnavati Blood Bank | pulin_kshatriya@yahoo.co.in | ahmedabad | 36, Subhlaxmi Complex,Opp. Santhavi Hlghschool | 7689450098 |




| Camp Details | | | | | |
|----------------------------------|-------------------------|------------|-------------------|----------|----------------|
| | | | | | Search by Name |
| Name | Email | Venue Date | Location | Time | Contact |
| Voluntary Blood Donation Wing | savanh9898@gmail.com | 2019-04-22 | Shree R.T. school | 04:00:03 | 9878679877 |
| Yogi | mahima.dalict@gmail.com | 2019-04-20 | DAIICT | 20:00:00 | 9427660443 |
| SambhavBloodCamp | f201506100110093@gmail. | 2019-06-22 | Sector 5 | 14:22:00 | 7856996587 |
| SambhavBloodCamp | aga_khan@hotmail.com | 2019-05-22 | sector 5 | 14:05:00 | 8859669856 |
| SambhavBloodCamp | aga_khan@hotmail.com | 2019-05-22 | Sector 5 | 12:02:00 | 7854585693 |
| SambhavBloodCamp | aga_khan@hotmail.com | 2019-05-22 | Sector 5 | 12:02:00 | 7854585693 |
| SambhavBloodCamp | aga_khan@hotmail.com | 2019-05-22 | Sector 5 | 12:02:00 | 7854585693 |
| asdfvb | aga_khan@hotmail.com | 2019-12-02 | sdf | 14:05:00 | 7854114587 |

Blood Bank Management System



 Blood Bank Management System 

User Details

| Name | Email | Area | City | Address | Conatct | Blood Group | Donaton Date | Donor_Donatic | Action |
|----------------|----------------|-----------|-------------|------------------|------------|-------------|--------------|---------------|---|
| Yogesh Thakkar | yogeshthakkar1 | Sector 12 | Gandhinagar | Naroda Navanagar | 9712863112 | O+ | 2018-10-31 | 0 |  |

Upload Details:

This is the screen for uploading details. It is used by blood bank, hospital and organization to upload the details of the donor to the system.

 Blood Bank Management System 

Choose Excel File

No file chosen

- User Manual

<https://drive.google.com/open?id=1N2o5Bn57Zc9p8vswuBg-UCx2QzQbLGPA>

4. Testing

4.1. Introduction

The Test Plan has been created to communicate the test approach to team members. This document will clearly identify what the test deliverables will be.

4.2. Objectives

- Meets the requirements and specifications.
- Supports the intended functions and achieves the required software quality.

4.3. Function Scope

| Requirement | Expected Output | Pass Criteria | Fail Criteria |
|---|--|---|---|
| For first time stakeholders register with details | Registration successful | When user enter unique email id. | Same email id found. |
| Log in with email id and password | Should be able to log in successfully and perform task based on their log in type. | Email id and password must be correct | Enter wrong email id and password or user is not registered. |
| Change password | Successfully able to change password. | Old password must be correct and new password should be based on specific requirement | Enter old password or new password not match the required criteria. |
| Admin insert, delete or view user information from respective tables. | Only selected recipient details will be shown on the basis of donor table from database. | Only selected records will be shown, delete or updated based on id. | Given id is not available in database. |
| Handling blood request | If the stock is available in the hospital or blood bank then they will send acceptance | If the request is accepted then notify recipient, if | When the request is accepted but no |

Blood Bank Management System

| | | | |
|--------------------------|--|---|---|
| | to the recipient (who has given the request). | denied forward request to donor. | information is passed to donor. |
| Blood stock expiry check | On Expiry of blood stock from given date blood stock that is expired must be notified in the panel | On expired blood is notified and removed from database on deletion. | Blood stock that is expired is not notified at all to the user. |

5. Future Enhancement

5.1. Future Enhancement and conclusion: -

This web application avoids the manual work and the problems concerned with it. It is an easy way to obtain the information that is present in our System. Well, we have worked hard in order to present an improved web application better than the existing one's regarding the information about the various activities. Still, we found out that the project can be done in a better way in future for that we think that donor details can fetch via Aadhaar card.

5.2. Learning during the Project: -

- And also, we learned more functionalities about this project
- Also, we learned more about PHP language.

6. References/Bibliography

- **Web Resource**

[1] www.youtube.com

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