USER MANUAL

for

Central Blood Bank Management System

Prepared by

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Table of Content

Landing Page

screenshots for landing page
description for all the buttons, or link for navigation
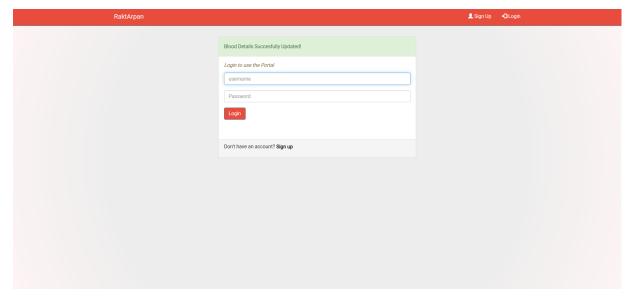# add all instructions that are required for the page

- Landing page has a *Navbar* containing various Buttons -:
  - **SignIn** - Navigate to signin page for Blood Bank.
  - **Register** - Navigate to the registration page of Blood Bank
  - **Donate Blood**.- For Blood Donors to search for Blood Camps.
  - **Look for Blood** - For Searching the Blood Components from all the blood banks.
- Click the **Donate Now** button to move to the page to search for Blood Camps.
- It also contains **Information** about different types of Blood Type which can donate blood to which blood type and also can take blood from which blood type.

Types of donation

The human body contains five liters of blood, which is made of several useful components i.e. **Whole blood**, **Platelet**, and **Plasma**.

Each type of component has several medical uses and can be used for different medical treatments. your blood donation determines the best donation for you to make.

For **plasma** and **platelet** donation you must have donated whole blood in past two years.

Whole Blood

What is it?

Blood Collected straight from the donor after its donation usually separated into red blood cells, platelets, and plasma.

Who can donate?

You need to be 18-65 years old, weigh 45kg or more and be fit and healthy.

User For?

Stomach disease, kidney disease, childbirth, operations, blood loss, trauma, cancer, blood diseases, haemophilia, anemia, heart disease.

Lasts For?

Red cells can be stored for 42 days.

How long does it take?

15 minutes to donate.

How often can I donate?

Every 12 weeks

Plasma

What is it?

The straw-coloured liquid in which red blood cells, white blood cells, and platelets float in.Contains special nutrients which can be used to create 18 different type of medical products to treat many different medical conditions.

Who can donate?

You need to be 18-70 (men) or 20-70 (women) years old, weigh 50kg or more and must have given successful whole blood donation in last two years.

User For?

Immune system conditions, pregnancy (including anti-D injections), bleeding, shock, burns, muscle and nerve conditions, haemophilia, immunisations.

Lasts For?

Plasma can last up to one year when frozen.

How does it work?

We collect your blood, keep plasma and return rest to you by apheresis donation.

How long does it take?

15 minutes to donate.

How often can I donate?

Every 2-3 weeks.

Platelet

What is it?

The tiny 'plates' in blood that wedge together to help to clot and reduce bleeding. Always in high demand, Vital for people with low platelet count, like malaria and cancer patients.

Who can donate?

You need to be 18-70 years old (men), weigh 50kg or more and have given a successful plasma donation in the past 12 months

User For?

Cancer, blood diseases, haemophilia, anaemia, heart disease, stomach disease, kidney disease, childbirth, operations, blood loss, trauma, burns.

Lasts For?

Just five days..

How does it work?

We collect your blood, keep platelet and return rest to you by apheresis donation.

How long does it take?

45 minutes to donate.

How often can I donate?

Every 2 weeks

Find Nearest Blood Bank To Donate

- Lower page of the Landing page contains donation related information about different types of components like **Plasma, Platelets and whole blood**.
- These information are useful for donors to look for before donating the blood.
- **Find Nearest Blood Bank To Donate** - Click this button to navigate to the page to find nearest blood camp to donate the blood.
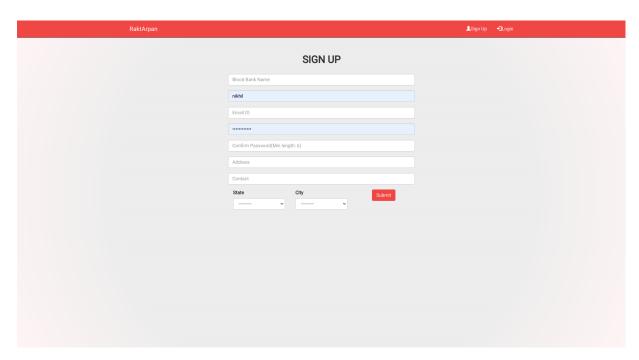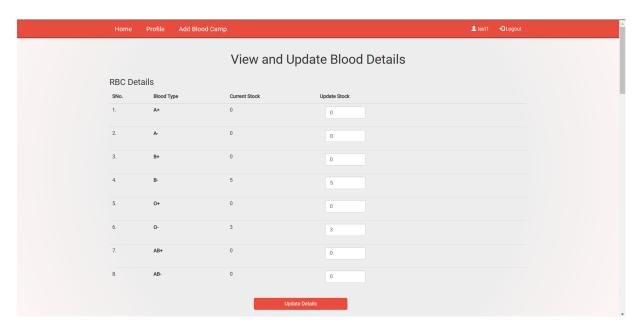
Blood Bank

Login

- Log in using username and password.
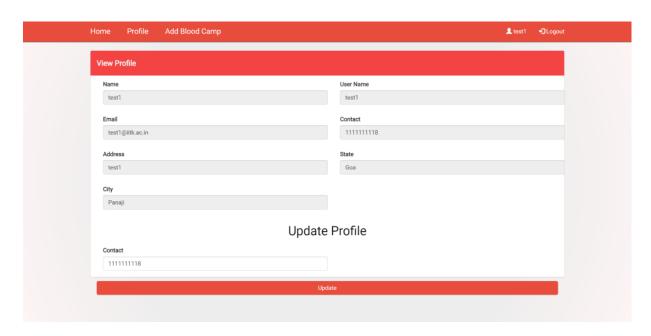- If the account doesn't exists, there is an option to sign up.

Signup

- Bloodbanks can register on the portal using a Register button on the homescreen.
- Navbar has a button to move to the login page and clicking on RaktArpan takes the user to the home page.
- The SignUp screen has a form where the user has to fill the necessary details which are
  ○ Blood Bank Name
  ○ Username
  ○ Email-Id
  ○ Password and Confirm Password
  ○ Address
  ○ Contact
  ○ State and Up (Available options are manually added)
- Once the user has been registered, he or she can login using the credentials.
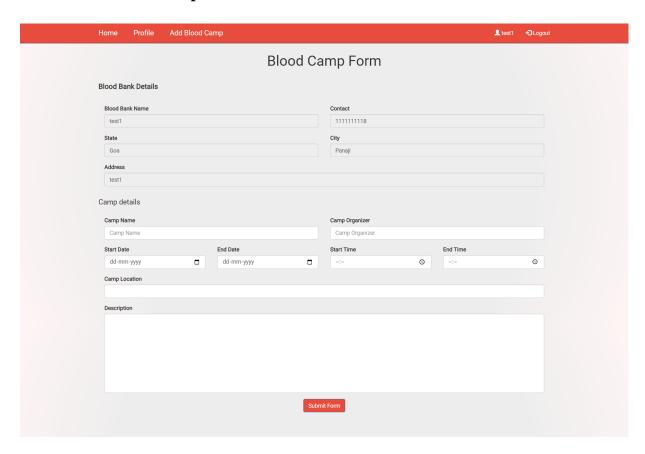
Dashboard

- Once the blood bank is logged in, it lands on the dashboard.
- It has a *Navbar* containing the following Buttons -:
  ○ **Home** - Navigate to the dashboard.
  ○ **Profile** - Navigate to the Blood Bank's profile.
  ○ **Add Blood Camp** - For addition any Blood Camp events by the blood bank.
  ○ **Logout** - Logs the bank out and lands to the Landing Page.
- The dashboard contains current stock details of **RBC, Platelets, Plasma, CryoAHF and Granulocytes** for all the blood types.
- The Blood Bank can update these stock details by entering the new values in given textbox and clicking on '*Update Details*' button.
- Update stock takes only *numbers* as valid values.

Profile

- ❖ Blood bank also have the option to see and update the profile of the users.
- ❖ After landing on profile page, it shows followings fields of users
  - ➢ **Name:** It shows the name of the user.
  - ➢ **User Name:** It shows the username which may or may not be the same as the name which is used to login in the system.
  - ➢ **Email:** It shows the email of the user which was entered during signup.
  - ➢ **Contact:** It shows the contact of the user which was entered during signup.
  - ➢ **Address:** It shows the address of the user which was entered during signup.
  - ➢ **State:** It shows the state to which user belongs which was entered during signup.
  - ➢ **City:** It shows the city to which user belongs which was entered during signup.
- ❖ There is also an option to update the field like contact etc. Enter new contact and click on update. After clicking on update, updates start to show instantaneously.
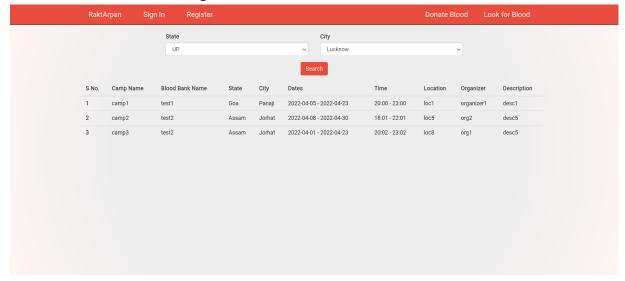
Add Blood Camp

- Here, the blood camp organizers can add the blood camp details like blood bank name, contact and address details.
- Also, the details of the camp being organized have to added in camp details section along with it's description and motive.
- Google map location of the camp is required in the camp location subsection.
- Date is in dd-mm-yyyy and time is in hh:min format.
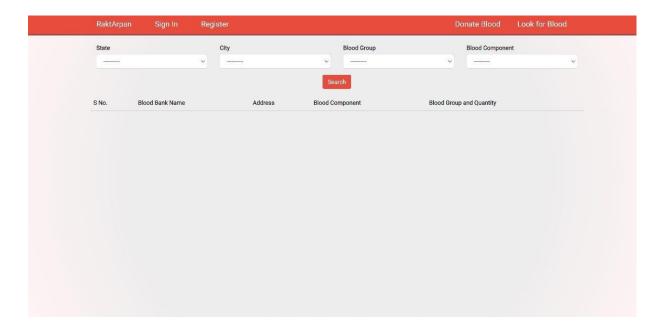
Blood Donor

Search Blood Camp

- Here, the user can search for Blood Camps along with the details associated with the camps, like location, time of operation, a brief description and more which are added by Blood Bank.
- There are also drop down menus for selecting state and city that the user can choose from and filter the list of camps by clicking Search button after making the selections.

Blood Search

Search Blood Component

- User can search the blood component here. Along with the blood component user can get the details like address, blood group and blood bank name.
- User can also use the filter like state, city, blood group and blood component and can get the list by clicking on the search button.