

REQUIREMENT GATHERING

✓ User Interface:-

A summary about the home page according to the design.

1. Header Section:-

- **Logo :-** Our platform's logo serves as a unique identifier..
- **Navigation Links:-** A set of essential links is provided for quick access to key sections such as Home, About Us, and Contact Us.
- **User Segmentation:** The user base is categorized into three segments: Blood Donors, Blood Needy Individuals, and Admin. Separate login/signup options are provided for each.

2. Body Section (Home Page/Landing Page):-

- The main body of the home page showcases an engaging image related to blood donation. Accompanying this image are motivational quotes designed to inspire visitors and encourage them to explore our platform and join as members.
- For Blood Donors: A direct link is incorporated beneath the quote, leading them to the login/signup page tailored for blood donors.
- Similarly, for Blood Needy Individuals: A distinct link is placed to guide them to their respective login/signup page.

3. Footer Section:-

- The footer section will feature a set of convenient quick links, including Home, About Us, Contact Us, Terms And Conditions, and Privacy Policies.
- To enhance our platform's visibility and engagement, social media icons will be incorporated, allowing users to connect with us through various social channels.

- A copyright symbol will be displayed to safeguard our content and address copyright concerns.
- Our email address will be prominently provided, offering users a direct and immediate means to contact us via email.

4. **Contact Us :-**

- This section includes a dedicated feedback form where users can share their experiences with our project.

5. **Anonymous Users/Non Verified Users(Blood Needy Individuals and Blood Donors):-**

- Non-logged in users will have access to specific sections, including our landing page, motivational quotes, the 'About Us' page, and the 'Contact Us' page.
- Blood Needy Individuals who are not logged in will not be permitted to search for blood donors through the platform.
- Similarly, non-logged in Blood Donors will not be able to initiate blood donations until they have logged in.
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6. **Logged In Users/Verified Users(Blood Needy Individuals and Blood Donors):-**

- Verified and logged in Blood Donors will have the ability to register their names within our blood bank, contributing to the availability of blood for those in need.
- Verified and logged in Blood Needy Individuals will have the privilege to search for the required blood donors and establish contact as necessary.

7. **Signup for Blood Needy People:-**

- Upon clicking the signup button, a registration window will open for individuals in need of blood.
- This registration form will include the following fields:-
 - Name
 - Email Id
 - Phone Number

- Address
- Pin Code
- Blood Group
- State
- City
- Picture Upload
- Password
- Confirm Password

- Once the form is completed, users can click on the verification button. Subsequently, a unique one-time password (OTP) will be sent to the user's email. Simultaneously, a pop-up window will appear, allowing the user to input the received OTP.
- If the entered OTP matches the one sent to the user's email, they will be successfully redirected to Login window. In case of a mismatch, users will need to re-enter their details in the same manner as before.

8. **Signup for Blood Donors:-**

- An age field can be added including a constraint of below 18.
- The rest process is a replica of the previous process.

9. **Log In For Blood Donors:-**

- Once the signup process is completed, donors can log into their profiles by entering their registered email id and password.
- If the provided credentials match, donors will be successfully redirected to the Welcome window. However, if there is a mismatch, users will need to re-enter their details in the same manner as before.

10. **Log In For Blood Needy People:-**

- This process is a replica of the previous login process.

11. **Features For Blood Donors:-**

- Upon entering this phase, a welcome message will be displayed in the header section, along with the donor's name.
- The left side of the welcome page features a side navigation bar with the following options:-
 - View Profile: - Allows donors to view their profile (read-only mode).
 - Edit Profile :- Enables donors to edit their profile (read and write access).
 - Change Password :- Requires proper verification for updating the password.
 - Change the availability for donate the blood :- Details for this option are provided below.
- Blood Donation Eligibility Criteria (All the options can be visible in the availability tab):- The availability tab includes the rules for blood donation, which encompass:
 - Age between 18-60 years
 - Hemoglobin not less than 12.5gm/Dl
 - Pulse Between 50 and 100/min with no irregularities.
 - Blood pressure-systolic 100 to 180 mm Hg and Diastolic 50 to 100 mm Hg.
 - Temperature-normal
 - Body weight not less than 45k.g
 - Any healthy adult both male and female can donate blood in every 3 months.
 - Donors should not have any conical disease.

- After carefully reviewing the above guidelines, donors can decide whether they are eligible for blood donation. If they meet the criteria, they can click on the "Availability" button.
- The functionality of the "Availability" button is to either hide or reveal their profile based on their current availability status.

12. **Features For Blood Needy People:-**

- Upon entering this phase, a welcome message will be displayed in the header section, along with the donor's name.
- The left side of the welcome page features a side navigation bar with the following options:-
 - View Profile: - Allows donors to view their profile (read-only mode).
 - Edit Profile :- Enables donors to edit their profile (read and write access).
 - Change Password :- Requires proper verification for updating the password.
 - Search Donors:- Allows Blood Needy People to search for potential donors.
- After clicking the "Search Donors" option, two input fields are displayed: "Enter Pin Code" and "Enter Blood Group".
- The next step is to press the search button to find all the donors that match the specified criteria.
- Based on the provided credentials, profiles of potential donors are shown to the requester.
- Each profile contains three buttons: "View Profile" ,"Contact Donor" "Report Donor".
- To contact their chosen donor, the requester initiates the contact process.

- An auto-generated request email, along with the requester's profile, is sent to the donor's email as a link. If the donor is willing to help, they can click on the link to send an acceptance message. Simultaneously, the donor's contact number will be shared with the requester.
- If any malpractice occurs, needers are encouraged to report their concerns through the 'Report Donor' section.
- Donors can follow the same process by clicking on the 'View Profile' link in the acceptance email. In the requester's profile, a 'Report' button will also be provided.

✓ **Admin Interface:-**

- Upon entering this phase, a welcome message will be displayed in the header section, along with the admin's name.
- The left side of the welcome page features a side navigation bar with the following options:-
 - Dashboard:- This section displays three key metrics: "Total Donors," "Total Requesters," and "Total Reports."
 - View Profile: - Allows donors to view their profile (read-only mode).
 - Edit Profile :- Enables donors to edit their profile (read and write access).
 - Change Password :- Requires proper verification for updating the password.
 - View All Donors:- Stores details of all donors.
 - View All Requesters:- Stores details of all requesters.
 - View All Reports:- Stores all reports, including date and time information.

- The admin can review all reports submitted by donors and requesters and verify their accuracy.
- If the reports are deemed accurate, an auto-generated warning message is sent to the respective donor's or requester's email.
- The admin can issue this warning message by clicking the "SEND WARNING" button, located between the "View All Donors" and "View All Requesters" sections.