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Project Report

Topic: Blood Donation

From:-

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To: Geetika Sharma

Introduction

Blood is a necessary element in human body. Without blood human body is incomplete. According to scientist about 7 percent to 8 percent of human weight is comprised of blood (Sessions 2018). In conventional way blood is donated via blood donation organizations or blood bank. Blood bank is observed as an area wherever blood is gathered as a result of the activity of blood donation by donors that is stored and preserved (maximum twenty-eight days) for later transfusion. Most of the blood banks in Bangladesh don't support online blood donor's database. In countries like Bangladesh blood a huge number of units of blood is donated on average every year. According to statistical study in the year 2011 about five lakh unit of blood was recorded as donated in Bangladesh the value of which increased to seven lakhs in following five years (Molla 2017). It is a clear sign that blood donors are on the rise along with the increase of population. Due to this huge amount of data of donors an automated and efficient way of data management is to be introduced for which online platform of blood donation can become a pavestone. Besides blood management problem occurs due to traditional techniques of data entry by manual operators where there is a risk of data to be outdated and data retrieval process is also hampered due to it. Owing to solve all the issues the study is done on an automated blood bank. Besides in present traditional ways the factors like gender, age, last date of blood Proceedings of the International Conference on Industrial Engineering and Operations Management Bangkok, Thailand, March 5-7, 2019 © IEOM Society International donation, frequency of blood donation per year are not recorded which is given vital importance in this study and used as recruitment factors in blood donation. So, the prime objective of the study is to find a more efficient way in blood donor database management and to create a medium for people to get connected with potential blood donors around the locality. The blood donors are recruited using a recruitment algorithm which is also an aim of the study.

Objective:

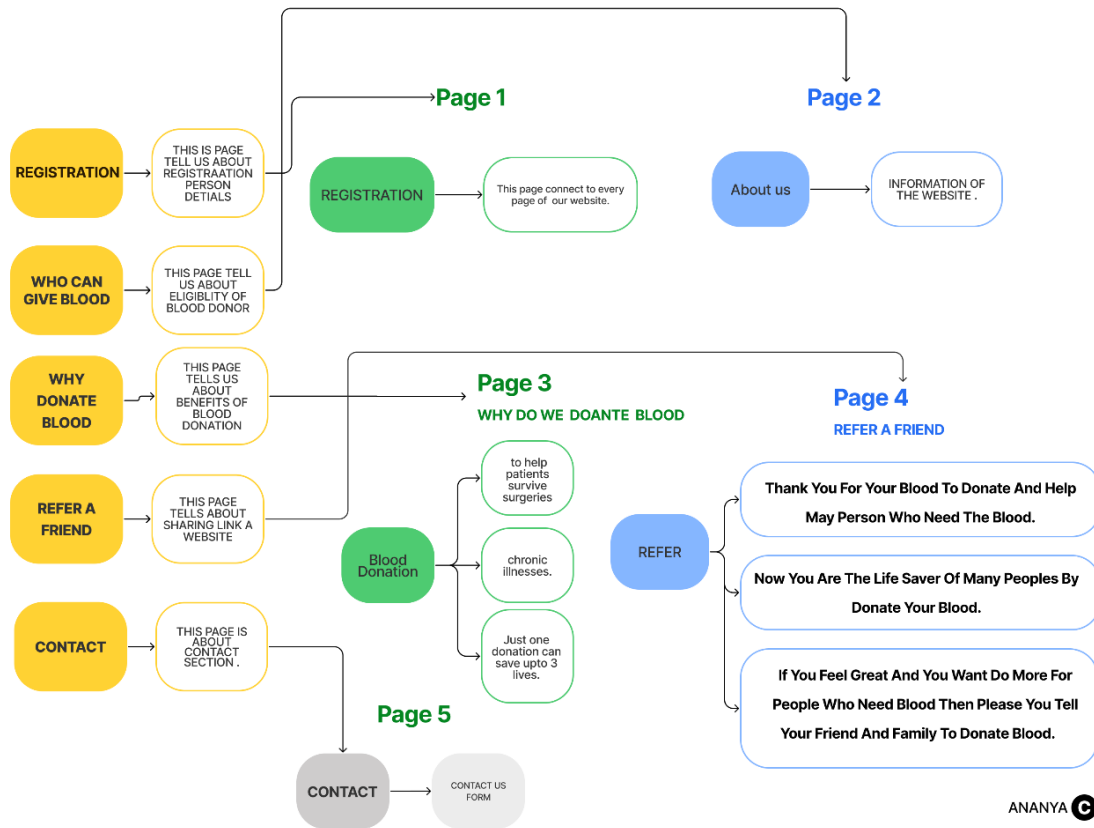
Voluntary blood donation is perhaps one of the most perfect examples of altruism in action. The objective of collecting blood through voluntary blood donation are:

- Provide safe and quality blood and blood components collected from voluntary donors, round the clock, at affordable cost to the general public and free of cost to the poor.
- Ensure safety and quality of blood.
- Motivate and maintain a permanent well-indexed record of voluntary blood donors.
- Educating the community on the beneficial aspects of blood donation and harmful effect of collecting blood from paid donors.
- Actively encourage voluntary blood donation and gradually eliminate professional blood donors.
- Promote AIDS awareness and education to the general public.

Team Members

- **Shahnawaz Rizwi (12220042)**
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FLOWCHART OF WEBSITE



ANANYA

BLOOD BANK

A Social Initiative

Donar login Password

Registration

Why Donate Blood

Who Can Give Blood

Refer A Friend

Contact Us

FIND A DONOR

State

City

Area

Group



Group:

Donation Process

Donor fills up the registration form and gives his consent for donation.

1. Medical Check up (5 Mins) Donors Medical History & life style is asked, check up of temperature, blood pressure, pulse and haemoglobin.

2. Donation (8 Mins) Phlebotomist draws unit (350ml/450ml) of blood. ...

3. Refreshment (10 Mins)

Where Would You Like To Donate

Give Feedback +

- Who are eligible to donate blood?

Homepage

Registration

Why Donate blood

Refer A Friend

Contact Us

Who are eligible to donate blood?

- Any healthy adult, both male and female, can donate blood.
- Men can donate safely once in every three months while women can donate every four months.
- Weigh between 7 stone 12 lbs and 25 stone, or 50kg and 158kg
- are aged between 17 and 66 (or 70 if you have given blood before)



Home Page

Why Donate blood

Who Can Give Blood

Refer A Friend

Contact Us

Registration Form

Name :

Address :

Email :

Contact :

Age :

Birth-Date :

Gender : Male ☐ Female ☐

Blood Group :

- Refer a friend

BLOOD BANK

[Home Page](#)
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Refer A Friend


- Thank You for your blood to donate and help may person who need the blood.
- Now you are the life saver of many peoples by donate your blood.
- If you feel great and you want do more for people who need blood then please you tell your friend and family to donate blood.
- Please share the link of our website by clicking the share button given below and inspiring more people about blood donation.

[Share link](#)

Experience :

Why Donate Blood


- Safe blood saves lives. Blood is needed by women with complications during pregnancy and childbirth, children with severe anaemia, often resulting from malaria or malnutrition, accident victims and surgical and cancer patients.
- There is a constant need for a regular supply of blood because it can be stored only for a limited period of time before use. Regular blood donation by a sufficient number of healthy people is needed to ensure that blood will always be available whenever and wherever it is needed.
- Blood is the most precious gift that anyone can give to another person – the gift of life. A decision to donate your blood can save a life, or even several if your blood is separated into its components – red cells, platelets and plasma – which can be used individually for patients with specific conditions




WHY DONATE BLOOD?

Every two seconds, someone in the United States needs blood, which means more than 38,000 blood donations are needed per day.


BLOOD TRANSFUSION IS NEEDED FOR




women with complications of pregnancy




people with severe trauma



complex medical procedures and cancer patients



Each unit of donated whole blood can help save up to three lives.



Blood donation is an opportunity to contribute to someone else's good health.

- Contact Us Page

BLOOD BANK

Home Page	Register	Why Donate blood	Who Can Give Blood	Refer A Friend
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Contact Us

What's your problem

share

For any queries you can contact us through email or call.

Our Helpline No. is [4378208280](tel:4378208280)

Email is blooddonation1432@gmail.com

Conclusion & Future Scope

It was a wonderful and learning experience for me and my team-mates while working on this project. This project took us through the various phases of project development and gave a real insight into the world of web development. The joy of working and the thrill involved while tackling the problems gives the real vibes of software development industries. Blood donation website helps the people for viewing the Available blood donor for all blood groups across India. In future, Government can use this type of websites to collect all the data in one site...

REFERENCES

- HTML & CSS BY JOHN DUCKETT
- W3shools.com
- Quora website