Proposal for
Blood Bank and Donor Management System

Project name: Blood bank and donor management system

Course code : CSE311
Section 9
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Table of Contents

Table of Contents 2

Tables..... 3

Introduction 4

About Blood bank and donor management system.....

Purpose and Benefits of Blood bank and donor management system.....

Blood bank and donor management system Features……

User Story .....

Use Case 1: .....

Use Case 2: .....

Solution Description .....

Front-end plan .....

Back end development .....

Advantages……
…….

Project Schedule .....

Budgetary Price .....

Screenshots of the
project…….

Conclusion……
……

Introduction

Blood bank and donor management system is an essential part of our daily life .We can see now days people are losing their life because they can not find the blood type they need or do not have a proper idea or a place to get the blood for them. For this purpose we are doing this project which is more organized and ideal for people so that they can blood and donate in a place where , they can easily understand the method .It will eventually benefit people and save thousand of lives in the near future. Our main purpose of this project is to reach to the people who need blood and the people are interested to donate blood in a more organized way. A blood management system will include a varity of function which is basically similar to how people get blood and donate blood but in a more easy and sufficient way so that many lives can be saved. A site is basically a gate way to access to get blood but the main purpose is to get the blood in the peak time and match the group which is needed.The proper instruction is given in the site so that anyone can easily get the process idea.

About Blood bank and donor management system

A blood bank and donor management system is a web based technology , which enable the user to get various types of blood group which the patient need him or her for treatment , also it has a option so that the people who are interested in donating blood can give blood as they like. It has also has access to different types of hospital linkups so that the donor knows the place where to give the blood and where to receive the blood. Which is included in blood bank and donor management system . It will give the essential information a user need to donate , buy blood mentioning the nearest hospital which can provide it to them.

Purpose and Benefits **Blood bank and donor management system**

The main purpose of blood bank and donor management system is to give the user as much as accessibility to the users so that they can easily get or donate or buy blood for their need. It will help the user with a user friendly experience , so they do not need to search blindly or some user want to donate blood but they think it is a hassel to register or don’t where to donate blood , this is the main purpose of this management system so that they can do all the things with ease.

Benefits Of Blood bank and donor management system:

1. **User friendly:-**

Blood bank and donor Management System Features:

2. **Managing donor data:-** It helps to keep the donor informating and preventing him or her donating before proper time.
3. **Admin-Maintenance**
4. **Linkup to hospitals**
5. **Blood buying and availability**
6. **Notification:** Donator get notification about his donation time periods and buyers get the confirmation about the confirmation of blood booking.

User Story

Use Case 1: A person can easily register as donor. If a person registers as a donor he will able to include his basic information. When a donor accepts a request from the receiver that date will be registered as his last donation date. He can also change his current password and location

Use Case 2: A person can easily register as a blood receiver. If a person registers as a blood receiver he will able to see the current available blood from the blood bank. He can send request for blood to the donor. He can also select city to find nearest donor.

Limitations Blood bank and donor management system

- Not all the hospitals are included or link up in system of blood bank and donor management system.
- Not accessible to all people , because not every one can use a web based interface.

Solution Description

Front-end plan
Back end development

Tools and Technologies:

1. Database: Mysql
2. Html
3. Css
4. Java script
5. PHP

Advantages:

There are major advantages of Blood bank and donor management system:

- Accessibility
- Maintenance ability
- Adaptability

1. It has various collection of blood group.
2. One can access to the blood bank as a buyer or as a donor to donate blood .
3. It has feedback system so that users can say their need and , it can be adapted as user demand.
4. Donors and buyers can redonate or buy blood.
5. They can access in a easy way and quickest hospitals.
6. It keeps update of the donor and patient requirement deadline for blood.

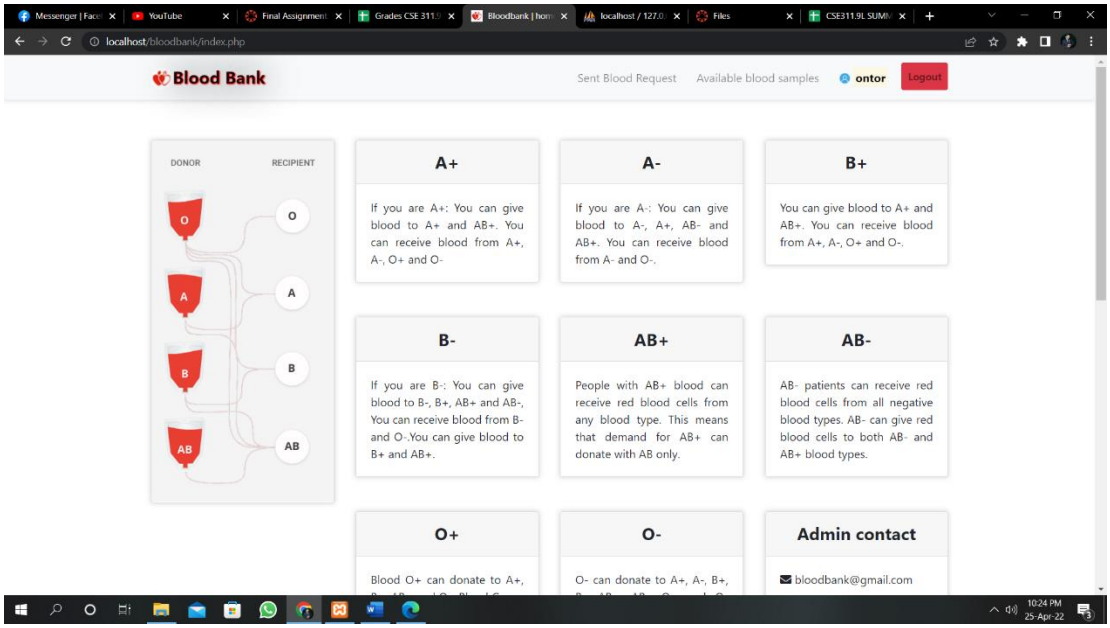
Project Schedule

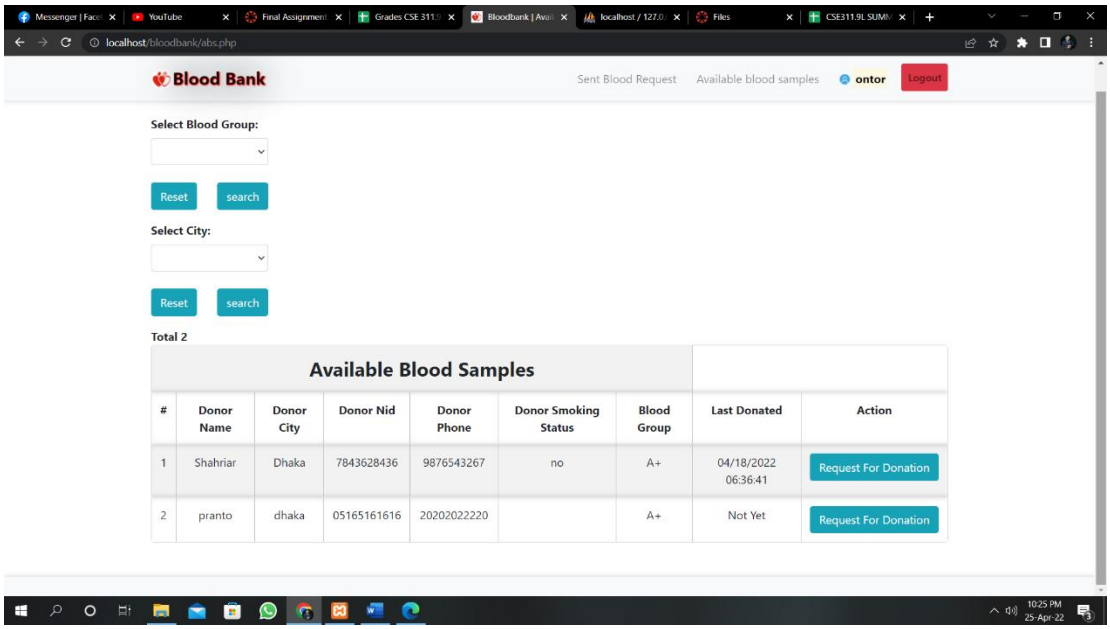
1) Front-end 2 weeks
2) Back-end 3 weeks
3) Final report 2 weeks

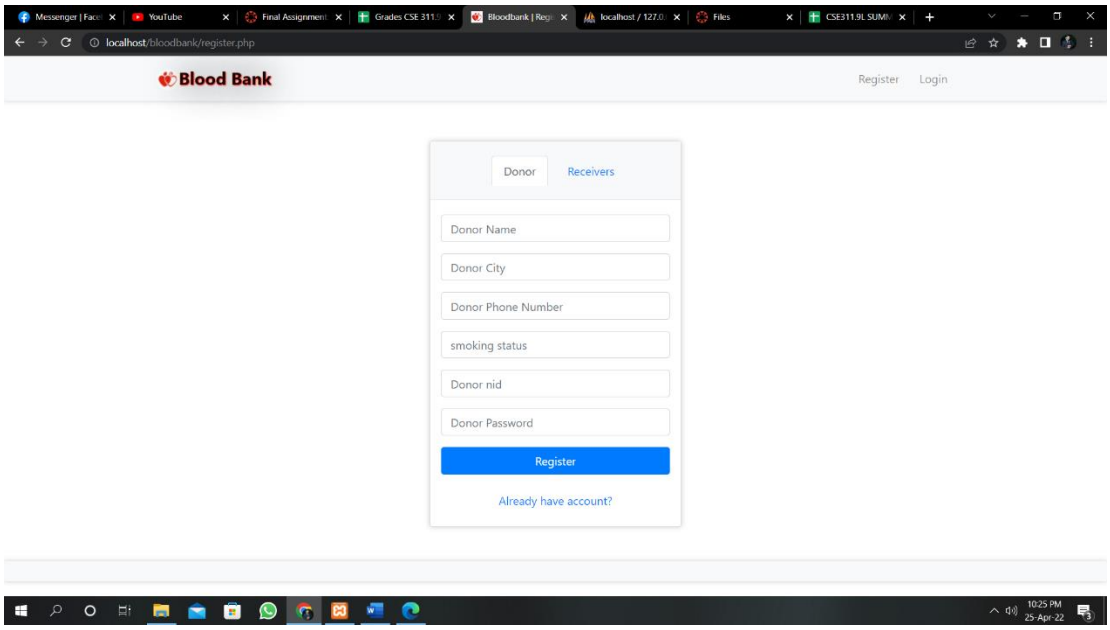
Budgetary Pric

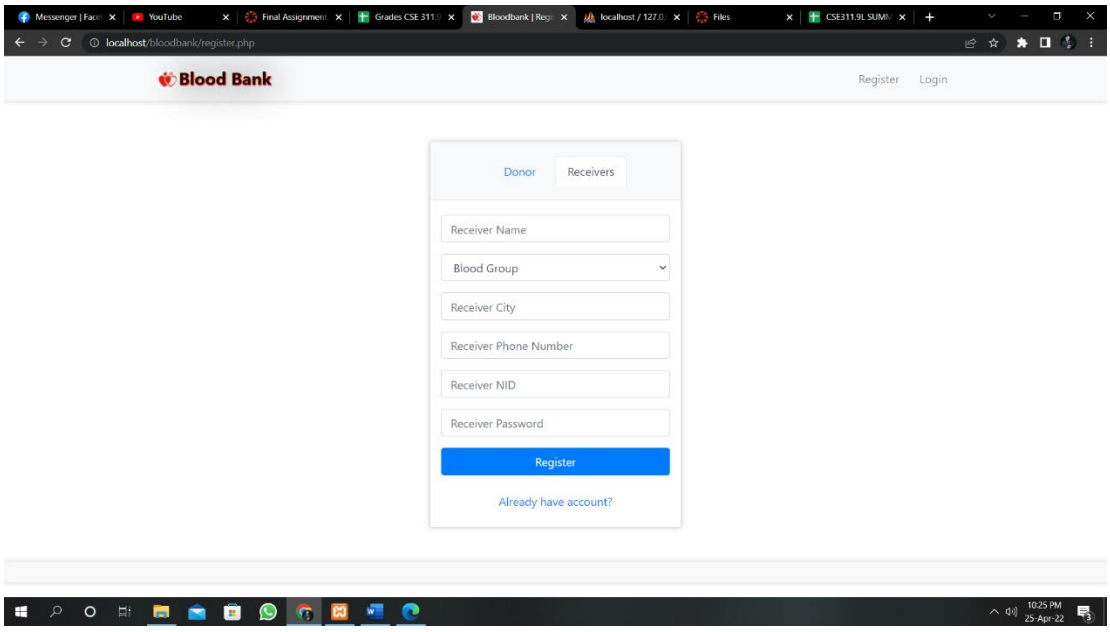
1) Front-end 000.000 BDT
2) Back-end 000.000 BDT
3) Final-report 000.000 BD

Some Screenshots of Project:






localhost/bloodbank/register.php
Blood Bank
Register
Login
Donor
Receivers
Donor Name
Donor City
Donor Phone Number
smoking status
Donor nid
Donor Password
Register
Already have account?
10:25 PM
25-Apr-22


localhost/bloodbank/register.php
Blood Bank
Register
Login
Donor
Receivers
Receiver Name
Blood Group
Receiver City
Receiver Phone Number
Receiver NID
Receiver Password
Register
Already have account?
10:25 PM
25-Apr-22

Conclusion:

The blood bank and donor management system is a tool which is used for saving lives of people who need blood also a gateway for the people who are forwarding their hand to give blood.You can get all the blood collection related and donating process way and methods for doing so.But it is not a full solution because there is always new problems occurs which need solution and day by day it will rise so the development of the blood bank and donor management system , having some flaws , we can say that it is a step forward to solving the problems of blood related topics which is a major issue at present day.And it will be the future or blood donation and bank management .

GitHub link: https://github.com/RHpranto/CSE311L.9