

ABSTRACT

Blood Bank Management System is an application designed to automate the different operations in Blood Banks. This project makes it easy to give information regarding blood type, available blood group and many more. After the implementation of the project, the blood searching process is expected to be faster, easier, and reliable. Admin will view the donor side and view the available blood requested by the users.

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INTRODUCTION:-

The number of people who are in need of blood are increasing day by day. The main aim of developing this system is to provide blood to the people who are in need of blood. The proposed blood donation management system helps people who are in need of blood by giving them details of the blood group availability or regarding donors with the same blood group.

PROBLEM STATEMENT:-

Entering the details about blood groups, members, addresses etc. and tracking the database is complicated when details are maintained manually. This makes the maintenance of schedule erroneous. Also there are problems of scarcity of rare blood, requirement of white blood cells which cannot be stored for more than 3 days in blood banks for leucameia patients, Unavailability of blood during emergency, less awareness among people about blood donation and transfusion. The Blood Donation Management System project aims to make all the procedures automated, more systematic and manageable and therefore with computer system it can be more fast and accurate

OBJECTIVES:-

Using this system user can search blood group available in the city and he can get the contact number of the donor, who has the same blood group as he needs. So if the blood is not available in the blood bank, user can request the donor to donate the blood and save life. Users can register themselves as donors by filling the donor registration form. Users get to know about the new blood donation camps being conducted and can participate in the camps.

RELATIONAL SCHEMA

USER:

User-id	<u>email</u>	password	fname	lname	phone
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DONOR:

Donor-id	<u>email</u>	Age	gender	bloodgrp	location	address	available
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REVIEW:

review-no	<u>email</u>	description
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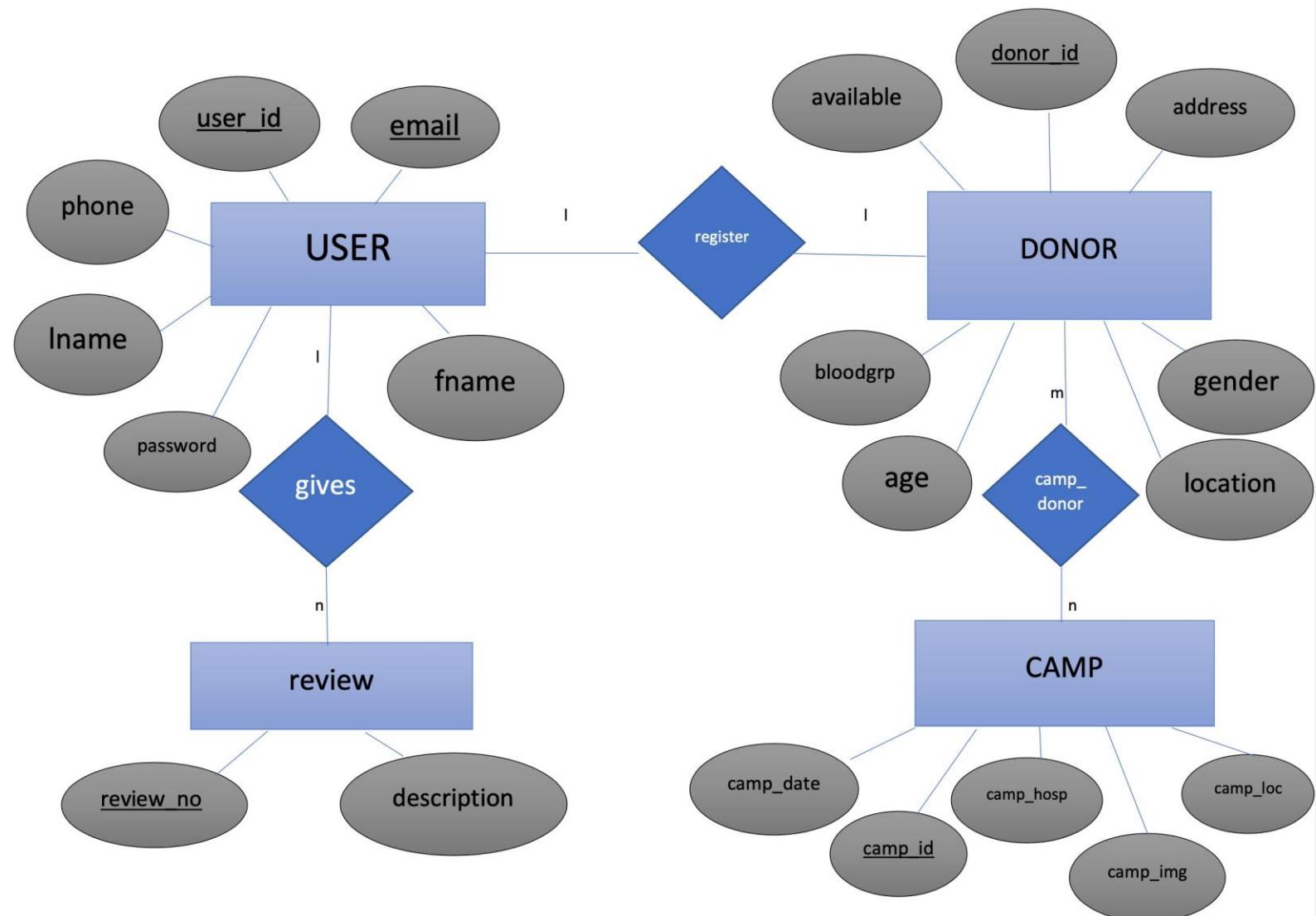
CAMP_DONOR:

<u>camp_id</u>	<u>donor_id</u>
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CAMP:

<u>camp_id</u>	camp_img	camp_loc	camp_date	camp_hosp
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DESIGN:

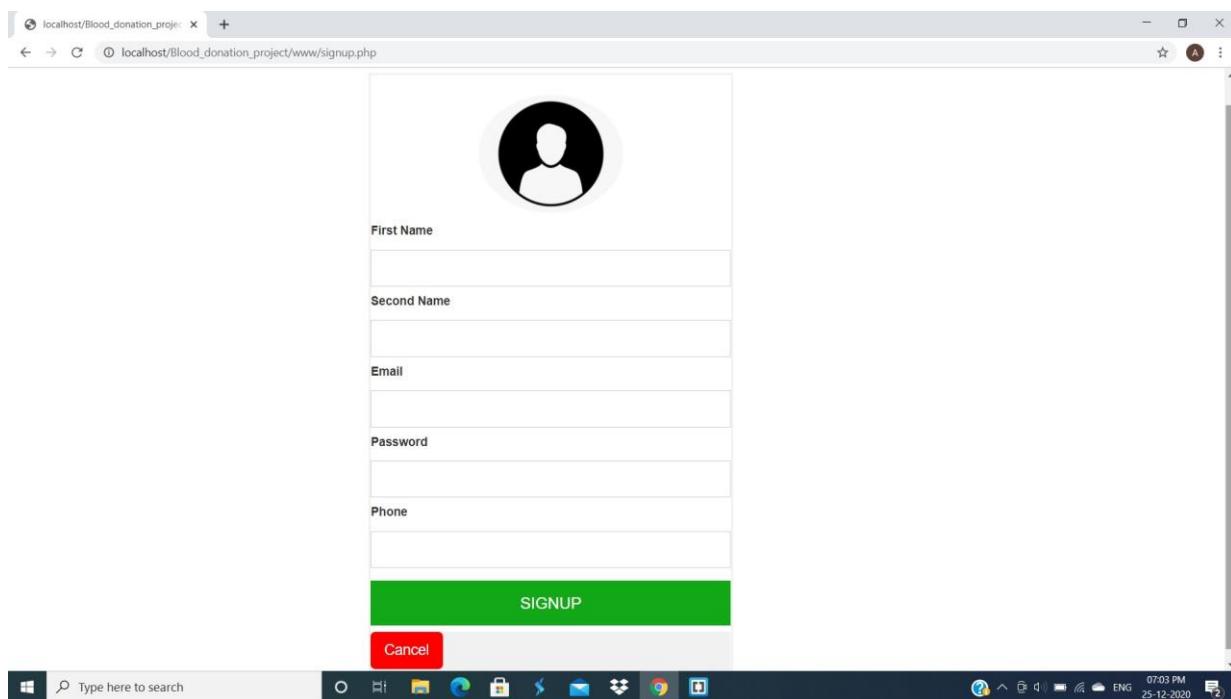


IMPLEMENTATION:

BLOOD DONATION is a website based on PHP. The purpose of this project was to develop a blood management information system to assist in the management of blood donor records and ease or control the distribution of blood in various part of country basing on the hospitals demand.

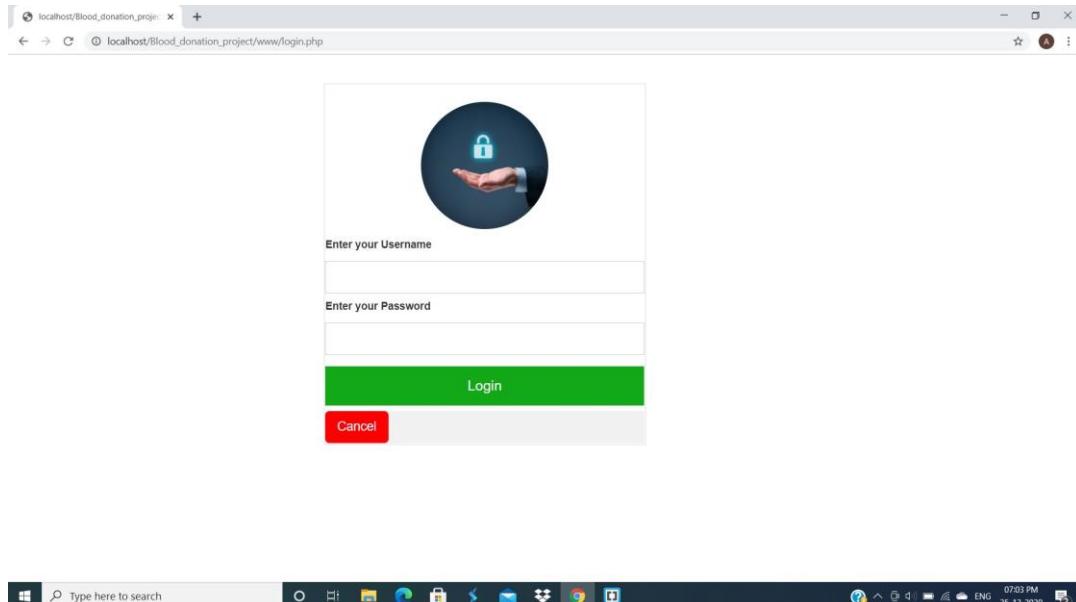
ADMIN :

The page requires name , email id to start the application. Signup is a process by which individual access to a computer system is controlled by identifying and authenticating the user through the cardinalities presented by the user. Admin can add update or delete the user, city, state, camp etc.



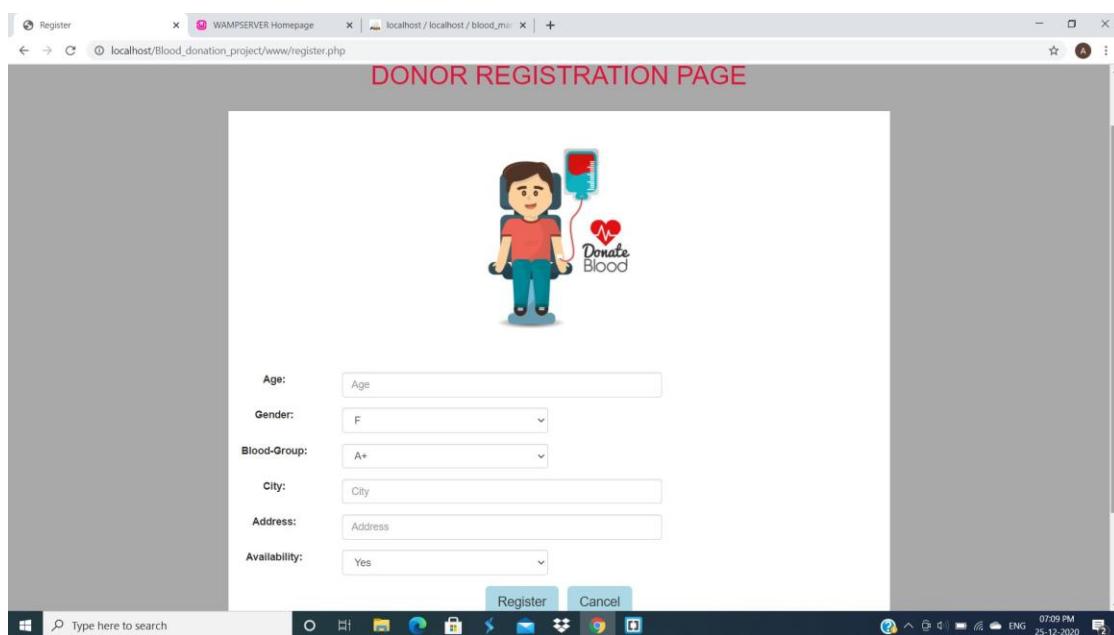
LOGIN :

The page requires username / donor id and password to open the donor panel. Login is a process by which individuals access to a computer system which is controlled by identifying and authenticating the user through the cardinalities presented by the user. Donor can update profile or view future camps etc.



REGISTRATION PAGE :

Registration page includes the information of the donor who wants to register. Donor can register the account by clicking on new register. He/she can add the account for the further enquiry of the blood donation.



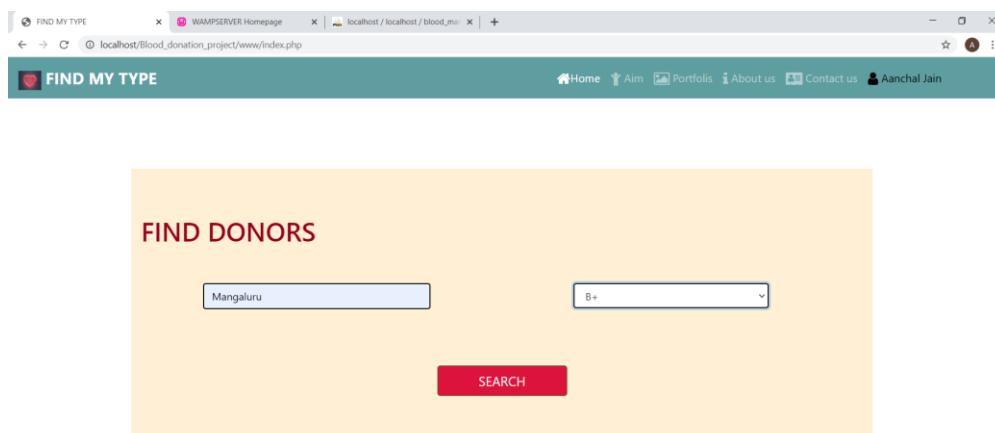
MAIN WINDOW :

The **BLOOD DONATION MANAGEMENT SYSTEM** is great project .The basic building aim is to provide blood donation service to the city . Blood Donation Management System (BDMS) is a browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way.



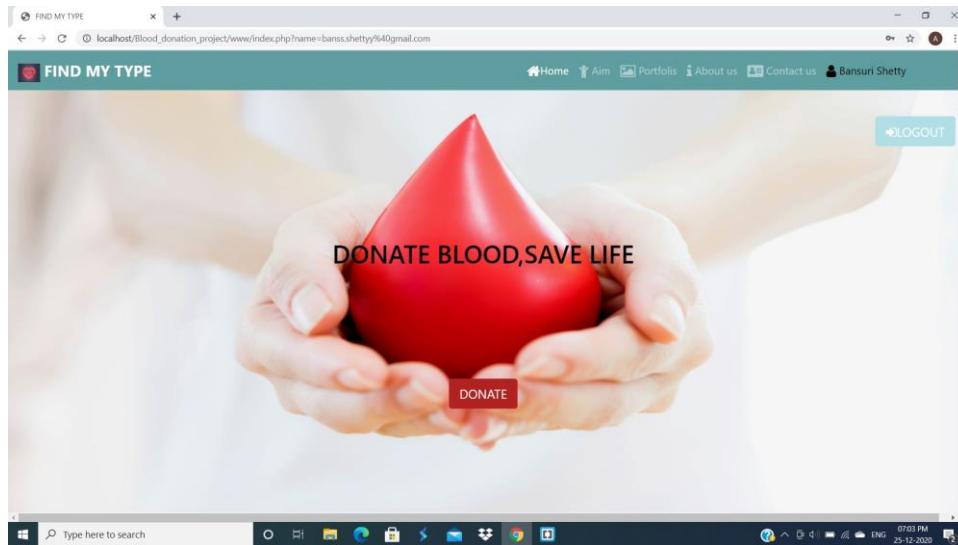
USER :

The user has to login to get more information about the blood bank. He or she can find donors by searching in these two checkboxes as seen in the picture below



DONATE PAGE:

This page as seen below occurs after a person logs in to his/her account and can decide to donate blood.



BLOOD DONATED :

Snap short below describes/gives information about donation from donor. By looking up at the information about the donors ,the ones in need of blood can request for blood of a particular blood group .

A screenshot of a web browser window titled 'FIND MY TYPE'. It displays three separate 'Donor Info:' sections, each featuring a red blood drop icon above a heart rate monitor line. The sections are identical in layout, showing donor details. The browser's address bar shows the URL 'localhost/Blood_donation_project/www/index.php'. The taskbar at the bottom of the screen shows various open application icons.

EDIT PAGE:

This page allows the donor to edit his account.

EDIT ACCOUNT

First Name:	Aishwarya
Last Name:	Shetty
Phone:	9876543256
Age:	22
Location:	Mangaluru
Address:	kavubail,bajal
Availability:	Yes

Save Cancel

FUTURE CAMPS:

FIND MY TYPE

"Starve a Vampire DONATE BLOOD."

Vivekananda Blood Donation Camp **NEW**

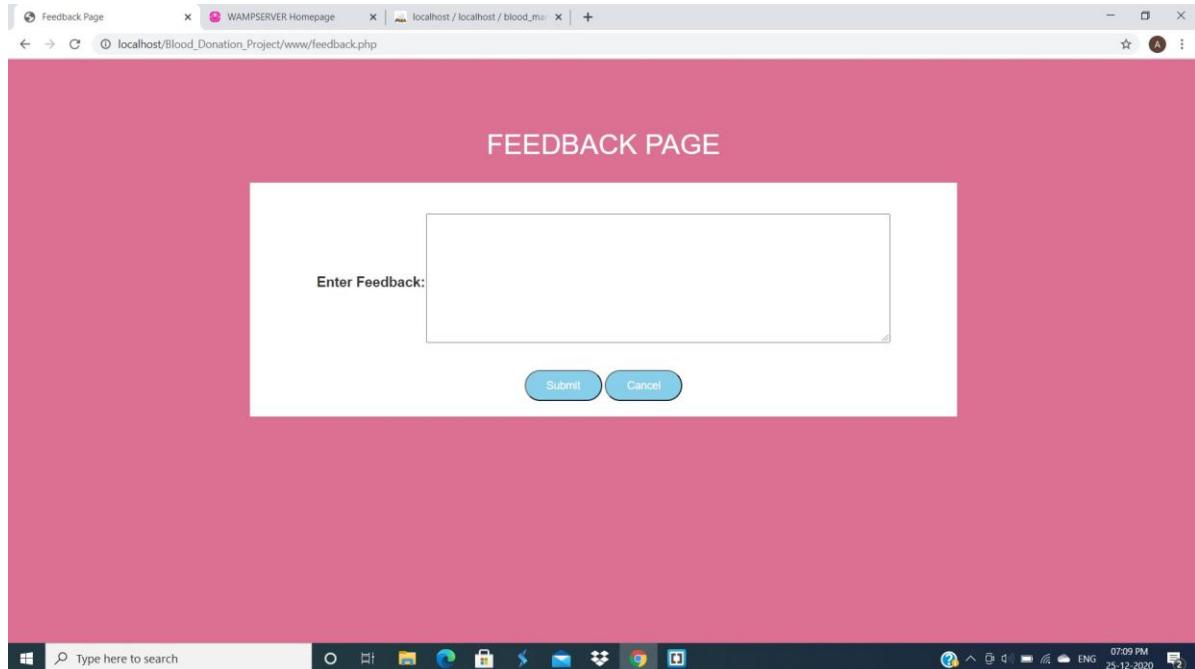
Camp Location: Bunts hostel,opposite pvs circle,Kankanady,Mangaluru
Camp Date: 2020-12-22

ADD REVIEW

FEEDBACK PAGE:

This page shown below allows a person to write a feedback regarding the blood donation page.

It will help us improve and make certain changes .



SUMMARY AND CONCLUSION

With the theoretical inclination of our project it becomes very essential to take the atmost advantage of any opportunity of gaining practical experience that comes along. The building blocks of this Mini Project “**BLOOD DONATION MANAGEMENT SYSTEM**” was one of these opportunities. It gave us the requisite practical knowledge to supplement the already taught theoretical concepts thus making us more competent as a computer engineer. The project from a personal point of view also helped us in understanding the following aspects of project development:

- The planning that goes into implementing a project.
- The importance of proper planning and an organized methodology.
- The key element of team spirit and co-ordination in a successful project. The project also provided us the opportunity of interacting with our teachers and to gain from their best experience

BLOOD DONATION MANAGEMENT is a software application that is built such a way that it should suit for all types of blood banks in **future**. One important future scope is the availability of location based blood bank details and extraction of location based donor's detail, which is very helpful to the acceptant people. All the time the network facilities cannot be used. This time donor request may not reach on time, this can be avoided by adding the SMS method for the donor gets notified .This way ,the person can find blood of the same blood group on time .