

Capstone Project Final Review



**Blood-Bank-And-Donation-
Management-System**

Group - 105



VIT[®]
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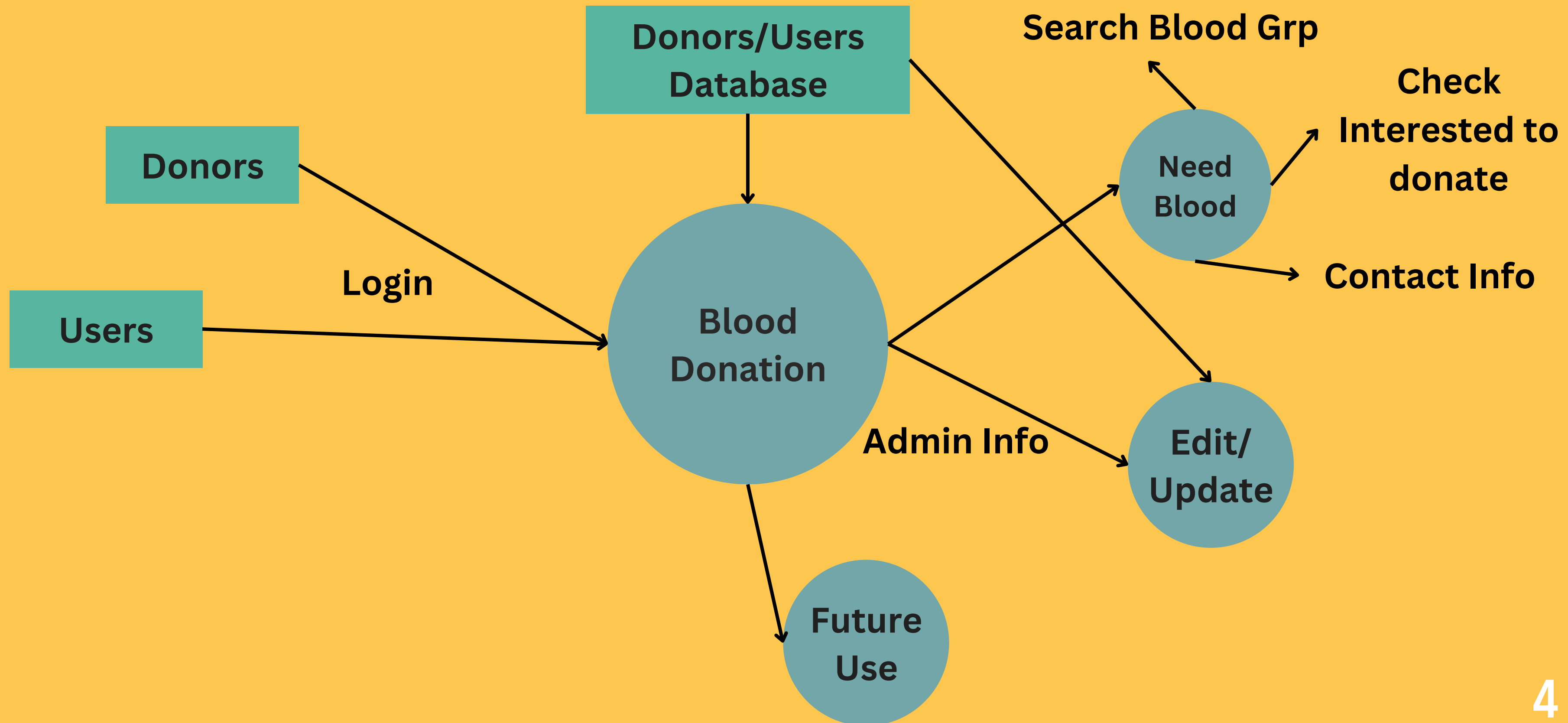
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Introduction

An Online System built for the Blood Donation Organization to manage the Blood Bank System in which Blood Donors can willingly give their name and the Person in need of blood can find whether the Blood is available or not. The admin can control page content on their own end and usage of telegram bot so as to increase reach to users.

Data Flow Diagram



EXPECTATIONS FOR THE Website User-End

- **Home Page**
- **About Us section**
- **Why to donate blood page**
- **Become a donor initiation page**
- **Blood requirement page**
- **Contact Us section**
- **Campaign Bar**

EXPECTATIONS FOR THE Website Admin-End

- **Dashboard**
- **Admin login portal**
- **Password Change section**
- **Add donor page**
- **Donor List page**
- **Contact Us Query check page**
- **Manage pages**
- **Update Contact info**

System Requirements

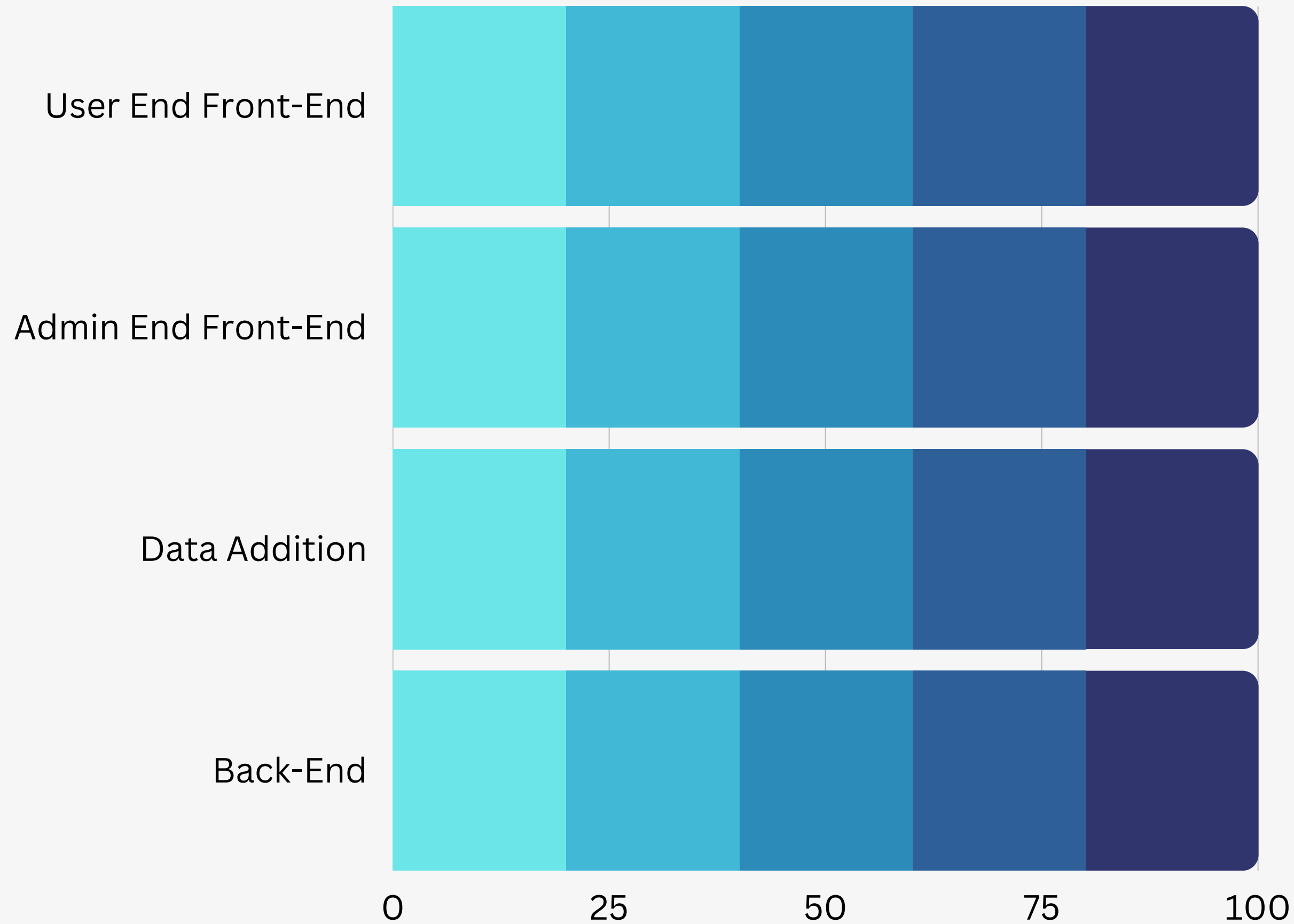
We will be able to configure this project on following operating systems.

- **Windows:** For running on Windows, one will have to install MySQL on the system or have XAMPP to run.
- **Linux:** Will be able to run on all versions of Linux with similar stipulations as Windows.
- **Mac:** Will require XAMPP.

Tech-Stack that we are using



Module Split-up



“

XAMPP IS A FREE AND OPEN-SOURCE CROSS-PLATFORM WEB SERVER SOLUTION STACK PACKAGE DEVELOPED BY APACHE FRIENDS, CONSISTING MAINLY OF THE **APACHE HTTP** SERVER, **MARIADB** DATABASE, AND INTERPRETERS FOR SCRIPTS WRITTEN IN THE PHP AND PERL PROGRAMMING LANGUAGES.

”



XAMPP

DEMO

USER-END

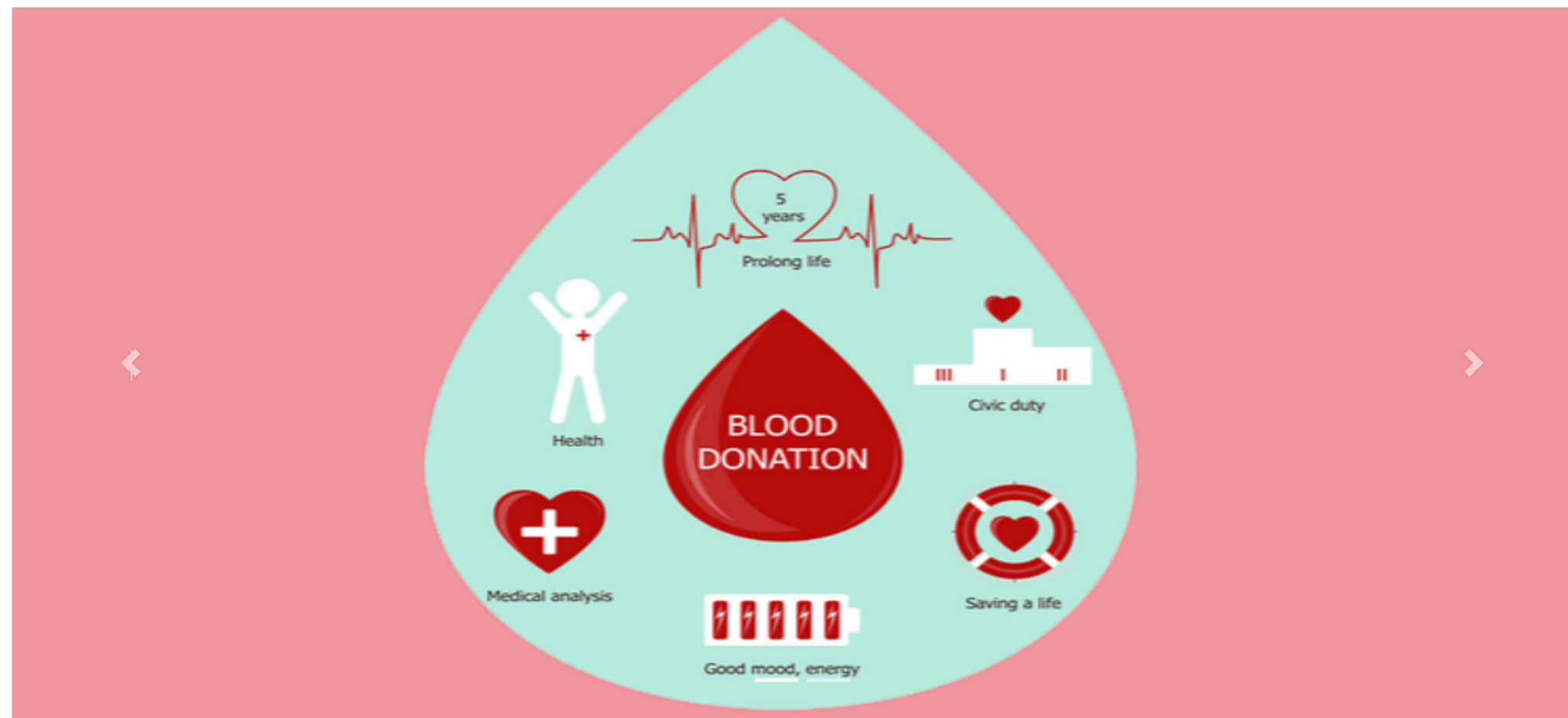
localhost/Blood-Bank-And-Donation-Management-System-master/home.php

Apps C++ Files and Strea... Linked List vs. Array... Android - Services -... Firebase console

Other bookmarks

Zion About Us Why Donate Blood Become A Donor Need Blood Contact Us

Campaigns & Events od donation camp to be organised in Bhopal by Mohit in collaboration with Zion on 01/05/23-05/05/23 at Community Centre PLA along with provisions of door to door blood donation. Fill out this form and we will



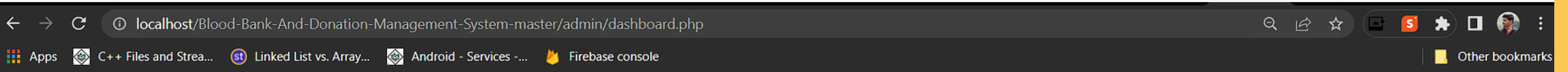
Welcome to BloodBank & Donor Management System

The need for blood

Blood Tips

Who you could Help

DEMO ADMIN-END



- Dashboard
- Add Donor
- Donor List
- Check Contactus Query
- Manage Pages
- Update Contact Info

Dashboard

3

BLOOD DONORS AVAILABLE

Full Detail

2

ALL USER QUERIES

Full Detail

0

PENDING QUERIES

Full Detail

VIEW OF THE DATABASE

phpMyAdmin

Server: 127.0.0.1 » Database: blood_donation

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking Designer

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> admin_info	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> blood	★ Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> contact_info	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> contact_query	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> donor_details	★ Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> pages	★ Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> query_stat	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 KiB	-
7 tables	Sum	24	InnoDB	utf8mb4_general_ci	176.0 KiB	0 B

☐ Check all With selected:

Print Data dictionary

Create new table

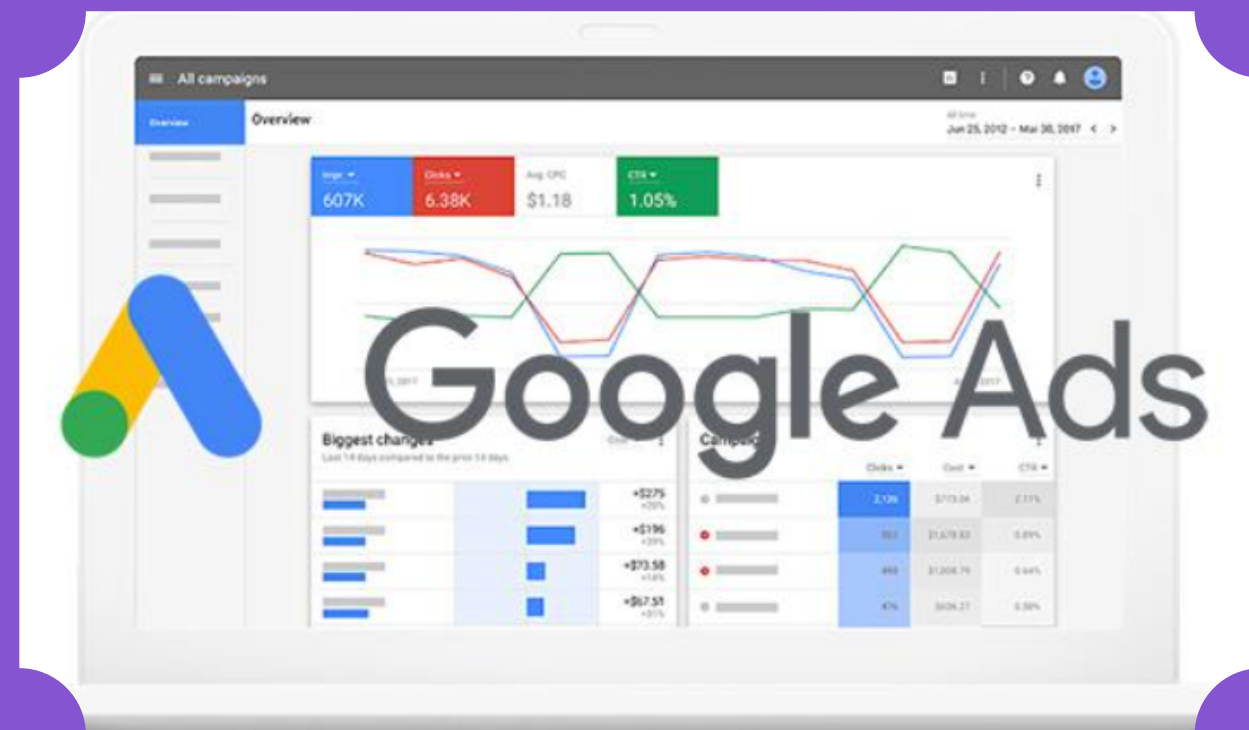
Table name Number of columns

Management After

Server Security

In future, we aim to host out database on a cloud, such that the users of the website can locally host admin and user interface on their end, but the database for all of the iterations will be centralized and maintained by Zion, such that there will not be any data loss or data theft and provision of efficient data backup.

Promotion For the Website



When it comes to promoting any website there are some limited platforms like Google Ads or social media browsers like telegram, whatsapp, etc. We can Promote our website across Google and these social media apps to make people get to know of the services being provided by our website.



Conclusion



The development of this web-based system is proposed to provide a management functional to the blood bank in order to handle the blood bags and to make entries of the individuals who want to donate blood to who are in need.

References

- 01 <https://www.eraktkosh.in/BLDAHIMS/bloodbank/transactions/bbpublicindex.html>
- 02 https://www.researchgate.net/publication/309428250_Blood_donation_management_systems_recent_trends
- 03 <https://medium.com/@sapphdek/learn-how-to-build-a-website-using-html-css-php-mysql-af385524a5d6>

