LAHORE GARRISON
UNIVERSITY

Submitted by:

M. Azeem (310)

Muzammil Ahmad (276)

Umar Farooq (309)

Section   : G-4

Submitted to : *MAAM Sahar Moin*

Project Name : Blood Donation Web Application

Discipline   : BS(Hons)Computer Science

Database Management System (Project Proposal)

Project title: REDDROP BUDDIES

Literature Review

Why Blood Is Needed. The reason to donate is simple…it helps save lives. Every two seconds of every day, someone needs blood. Since blood cannot be manufactured outside the body and has a limited shelf life, the supply must constantly be replenished by generous blood donors. Blood donors play a vital role in the healthcare of patients in your community. 37% of the population is eligible to donate blood, yet only 5% do.

Abstract

There is a serious problem in our society that the number of people needed blood/charity and the number of people who are willing to donate is equal in ratio, but the issue is to connect the donor with the needy. So, this leads us to make a website to connect them through the web.

A study conducted by Pakistan Centre for Philanthropy shows that Pakistanis give around PKR 240 billion (more than $2 billion) annually to charity. The same report indicates that about 98 percent of people in the country give in one form or another—if not with cash, then with in-kind donations or by volunteering for needy causes.

We are just looking to narrow down this large gap of finding a donor in our society more efficiently and more precisely through our project.

Introduction

The project blood donation web application is known to be a pilot project that is designed for the blood bank to gather blood from various sources and distribute it to the needy people who have high requirements for it.

This Blood Donation Group is a humble effort to save precious time and arrange blood for people who are in need and facilitate as many people as we can all over Pakistan. Due to this group, we request all the Blood Donors Societies of Pakistan and those who are the admins of the pages of different blood banks on Social Networking Websites to work together for this Noble Cause.

On our website, we'll help our donation community to connect by providing a safe platform for donors and the needy. As we know, most of the time we need blood urgently and with our website, we can find the donor with specific blood group and city, this help's the society to find the donors more quickly and precisely.

Functionality

At first, every person who wants to find a donor or donate has to register to our system, then he/she can simply search for the donors with the specific requirements and get their contact through our database.

Everyone can send the description and pictures as proof and after verification, we'll raise their issues to the donors to help them immediately.

Moreover, anyone can donate their money to us, so we can keep helping the needy. There'll be some posts on the website related to the appraisals for the blood donors.

Furthermore, all passwords in the project are kept secure using hashing. And pin code will use to update the password. Only admin can update the information of user and manager and itself. Every login system will create a session, unless the user logout the account admin has the right to check that how many people are logged in.

Every login can take complete information of the user to maintain the requirements of the system. When profiles will update their previous profile picture will be deleted through the unlike function that is used in PHP. The profile picture size will be fixed in 300 kB so that server does not crash. Blood groups in the user panel can be found through preferences.

User can also tell his problem without logging in that can be done by using foreign keys. Different events the projects can be handle through manager and admin. Top heroes are the major investors of the system.

As events are going to arrange their pictures will display in the gallery. Complete information of the team with their profile picture will be shown in the footer.
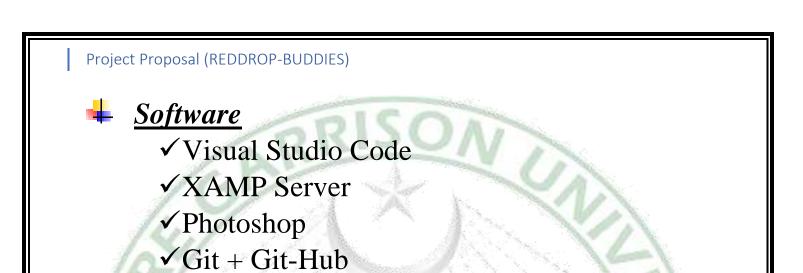
The map is also used using leaflet.js. All entities are attached. Admin kept information of manager, user and other panels.

Entities

- ✓ Login
- ✓ Managers
- ✓ Users
- ✓ Issues
- ✓ Events
- ✓ Gallery

Languages

- ✓ HTML
- ✓ CSS + Bootstrap
- ✓ Java Script
- ✓ PHP
- ✓ My SQL

Software
- ✓ Visual Studio Code
- ✓ XAMP Server
- ✓ Photoshop
- ✓ Git + Git-Hub

JazakAllah