ONLINE BASED BLOOD DONOR INFORMATION SYSTEM

By
M. AJITH KUMAR,
Register No: 820318621302

of

A.V.C COLLEGE OF ENGINEERING
Mannampandal, Mayiladuthurai - 609305

A MINI PROJECT REPORT

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Mr.S.SIVAKUMAR

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Certified that this Mini project report titled, **"ONLINE BASED BLOOD DONOR INFORMATION SYSTEM"** work done by **M.AJITH KUMAR** of V Semester M.C.A Degree course in the subject of MC5513 – Mini project in A.V.C College of Engineering, Mannampandal – Mayiladuthurai during the academic year 2020-2021.

Faculty In charge **Director**

Place: Mannampandal

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DECLARATION

I, **M.AJITH KUMAR(Reg.No:820318621302),** the student of A.V.C College of Engineering, Department of Computer Applications, would like to declare that the project work entitled " **ONLINE BASED BLOOD DONOR INFORMATION SYSTEM** " is the result of the original work done by me during the course of the study and is submitted on the partial fulfillment for the award of degree of "**MASTER OF COMPUTER APPLICATIONS"** of Anna University, Chennai.

Place: Mannampandal **(Name of the Student)**

Date: **(M.AJITH KUMAR)**

INTERNAL EXAMINER **EXTERNAL EXAMINER**

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LIST OF ABBREVIATIONS

S.NO	ABBREVIATION	DESCRIPTION
1	**PHP**	Hypertext-Pre-processor
2	**MySQL**	My Structured Query Language
3	**GPL**	General Public License
4	**HTML**	Hyper Text Markup Language

5	**XSS**	Cross Site Scripting
6	**DOS**	Denial of Service
7	**RDBMS**	Relational Database Management System
8	**LAMP**	Linux, Apache,Mysql,Perl/PHP/Python

ONLINE BASED BLOOD DONOR INFORMATION SYSTEM

ABSTRACT

In developing countries like India population is increasing day by day along with road accidents and diseases. In every corner of India, more than 10 road accidents are happening per hour, and the victims are in need of blood. It is a very tough task for hospitals and the victim's family to search and collect the blood of a specific group. Sometimes the delay in the availability of the blood may cause loss of life too. So an online solution is proposed. Using this website Volunteers can register themselves by providing their details such as name, blood group, email id, number, and their address. When a victim needs blood, their family can visit the website and search for availability of the donors of the particular blood group in their locality. When a visitor searches for a blood group by entering their location, the donor of that group in that location can auto-matched and a message is sent to them. They can also collect the donor's details from the website for further communication.

1. INTRODUCTION

The main aim of developing this system is to provide blood to the people who are in need of blood. The numbers of persons who are in need of blood are increasing in large number day by day. Using this system user can search blood group available in the city and he can also get contact number of the donor who has the same blood group he needs. In order to help people who are in need of blood, this Blood Bank management system can be used effectively for getting the details of available blood groups and user can also get contact number of the blood donors having the same blood group and within the same city. So if the blood group is not available in the blood bank user can request the donor to donate the blood to him and save someone life. Using this bank management system people can register himself or herself who want to donate blood. To register in the system they have to enter their contact information like address mobile number etc.

2. SYSTEM CONFIGURATION

2.1 HARDWARE CONFIGURATION

- Processor : Dual core processor 2.6.0 GHZ
- RAM : 1GB
- Hard disk : 160 GB
- Compact Disk : 650 Mb
- Keyboard : Standard keyboard
- Monitor : 15 inch color monitor

2.2 SOFTWARE CONFIGURATION

- Operating system : Windows 8.1
- Front End : PHP
- Back end : MySQL server
- Tool : Macromedia Dreamweaver 8

3. SOFTWARE FEATURES

3.1 FRONT END: PHP

PHP: Hypertext Preprocessor (the name is a recursive acronym) is a widely used, general-purpose scripting language that was originally designed for web development to produce dynamic web pages. For this purpose, PHP code is embedded into the HTML source document and interpreted by a web server with a PHP processor module, which generates the web page document. As a general-purpose programming language, PHP code is processed by an interpreter application in command-line mode performing desired operating system operations and producing program output on its standard output channel. It may also function as a graphical application. PHP is available as a processor for most modern web servers and as standalone interpreter on most operating systems and computing platforms. PHP was originally created by Rasmus Lerdorf in 1995 and has been in continuous development ever since. The main implementation of PHP is now produced by The PHP Group and serves as the de facto standard for PHP as there is no formal specification. PHP is free software released under the PHP License, which is incompatible with the GNU General Public License (GPL) because restrictions exist regarding the use of the term PHP.

Hypertext refers to files linked together using hyperlinks, such as HTML (Hypertext Markup Language) files. Preprocessing is executing instructions that modify the output. Below is a demonstration of the difference between HTML and PHP files.

Accessing an HTML Page

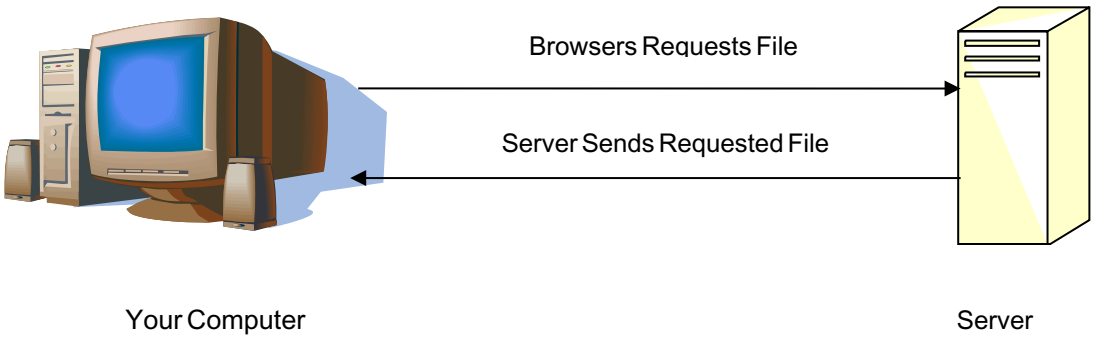
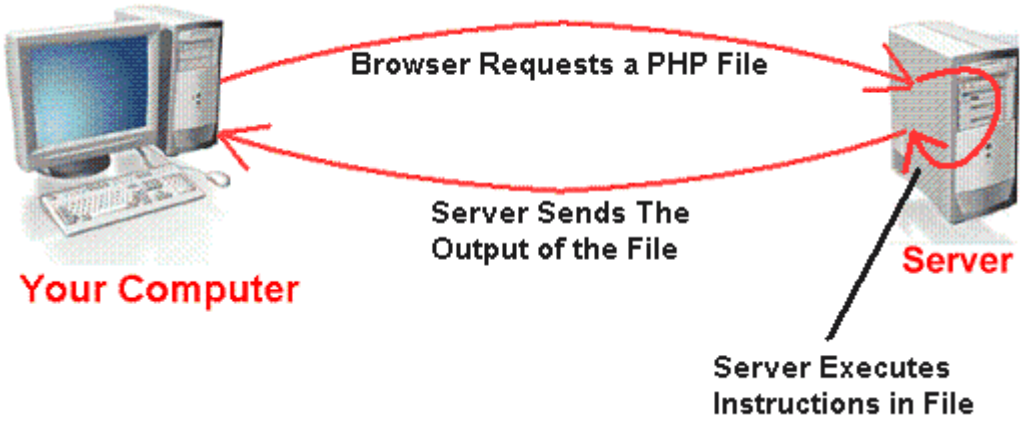


Fig 2 3.1 Accessing an HTML page

1. Your browser sends a request to that web page's server (computer) for the file (HTML or image) you wish to view.
2. The web server (computer) sends the file requested back to your computer.
3. Your browser displays the file appropriately.
4. If you request a PHP file (ends with ".php"), the server handles it differently.

Accessing a PHP Page



Accessing a PHP Page

1. Your browser sends a request to that web page's server for the PHP file you wish to view.
2. The web server calls PHP to interpret and perform the operations called for in the PHP script.
3. The web server sends the output of the PHP program back to your computer.
4. Your browser displays the output appropriately.

Benefit of PHP

Because the server does processing, the output of PHP files changes when its input changes. For example, most of the pages on the Horticulture site have only two (2) PHP commands:

1. Include the header file that defines the links on the left, the banner, and the quick links at the top.

2. Include the footer file that displays the mission statement and Horticulture contact information.

Because including the files is performed every time the PHP file is accessed, when the header/footer files change, the new content will be immediately updated. In other words, if you add a new link, every page that includes the header will immediately display the new link.

Security

About 30% of all vulnerabilities listed on the National Vulnerability Database are linked to PHP. These vulnerabilities are caused mostly by not following best practice programming rules: technical security flaws of the language itself or of its core libraries are not frequent (23 in 2008, about 1% of the total). Recognizing that programmers make mistakes, some languages include taint checking to detect automatically the lack of input validation which induces many issues. Such a feature is being developed for PHP, but its inclusion in a release has been rejected several times in the past. There are advanced protection patches such as Suhosin and Hardening-Patch, especially designed for Web hosting environments.

PHPIDS adds security to any PHP application to defend against intrusions. PHPIDS detects attacks based on cross-site scripting (XSS), SQL injection, header injection, directory traversal, remote file execution, remote file inclusion, and denial-of-service (DoS)

Syntax

The PHP interpreter only executes PHP code within its delimiters. Anything outside its delimiters is not processed by PHP (although non-PHP text is still subject to control structures described in PHP code). The most common delimiters are <?php to open and ?> to close PHP sections. <script language="php"> and </script> delimiters are also available, as are the shortened forms <?or<?= (which is used to echo back a string or variable) and ?> as well as ASP-style short forms <% or <%= and %>. While short delimiters are used, they make script files less portable as support for them can be disabled in the PHP configuration, and so they are discouraged. The purpose of all these delimiters is to separate PHP code from non-PHP code, including HTML.

The first form of delimiters, <?php and ?>, in XHTML and other XML documents, creates correctly formed XML 'processing instructions'. This means that the resulting mixture of PHP code and other markup in the server-side file is itself well-formed XML.

Variables are prefixed with a dollar symbol, and a type does not need to be specified in advance. Unlike function and class names, variable names are case sensitive. Both double-quoted ("") and here-doc strings provide the ability to interpolate a variable's value into the string. PHP treats newlines as whitespace in the manner of a free-form language (except when inside string quotes), and statements are terminated by a semicolon. PHP has three types of comment syntax: /* */ marks block and inline comments; // as well as # are used for one-line comments. The echo statement is one of several facilities PHP provides to output text, e.g., to a Web browser.

In terms of keywords and language syntax, PHP is similar to most high level languages that follow the C style syntax. if conditions, for and while loops, and function returns are similar in syntax to languages such as C, C++, Java and Perl.

Data types

PHP stores whole numbers in a platform-dependent range, either a 64-bit or 32-bit signed integer equivalent to the C-language long type. Unsigned integers are converted to signed values in certain situations; this behavior is different from other programming languages. Integer variables can be assigned using decimal (positive and negative), octal, and hexadecimal notations. Floating point numbers are also stored in a platform-specific range. They can be specified using floating point notation, or two forms of scientific notation. PHP has a native Boolean type that is similar to the native Boolean types in Java and C++. Using the Boolean type conversion rules, non-zero values are interpreted as true and zero as false, as in Perl and C++. The null data type represents a variable that has no value. The only value in the null data type is NULL. Variables of the "resource" type represent references to resources from external sources. These are typically created by functions from a particular extension, and can only be processed by functions from the same extension; examples include file, image, and database resources. Arrays can contain elements of any type that PHP can handle, including resources, objects, and even other arrays. Order is preserved in lists of values and in hashes with both keys and values, and the two can be

intermingled. PHP also supports strings, which can be used with single quotes, double quotes, nowdoc or heredoc syntax.

Functions

PHP has hundreds of base functions and thousands more via extensions. These functions are well documented on the PHP site; however, the built-in library has a wide variety of naming conventions and inconsistencies. PHP currently has no functions for thread programming, although it does support multi-process programming on POSIX systems.

3.2 BACK END: MY SQL

MySQL is the world's most used open source relational database management system (RDBMS) as of 2008 that run as a server providing multi-user access to a number of databases. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation.

MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack—LAMP is an acronym for " Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full -featured database management system often use MySQL.

For commercial use, several paid editions are available, and offer additional functionality. Applications which use MySQL databases include: TYPO3, Joomla, Word Press, phpBB, MyBB, Drupal and other software built on the LAMP software stack. MySQL is also used in many high-profile, large-scale World Wide Web products, including Wikipedia, Google(though not for searches), ImagebookTwitter, Flickr, Nokia.com, and YouTube.

Interimages

MySQL is primarily an RDBMS and ships with no GUI tools to administer MySQL databases or manage data contained within the databases. Users may use the included command line tools, or use MySQL "front-ends", desktop software and web applications that create and manage MySQL

databases, build database structures, back up data, inspect status, and work with data records. The official set of MySQL front-end tools, MySQL Workbench is actively developed by Oracle, and is freely available for use.

Graphical

The official MySQL Workbench is a free integrated environment developed by MySQL AB, that enables users to graphically administer MySQL databases and visually design database structures. MySQL Workbench replaces the previous package of software, MySQL GUI Tools. Similar to other third-party packages, but still considered the authoritative MySQL frontend, MySQL Workbench lets users manage database design & modeling, SQL development (replacing MySQL Query Browser) and Database administration (replacing MySQL Administrator).

MySQL Workbench is available in two editions, the regular free and open source Community Edition which may be downloaded from the MySQL website, and the proprietary Standard Edition which extends and improves the feature set of the Community Edition.

Command line

MySL ships with some command line tools. Third-parties have also developed tools to manage a MySQL server, some listed below.

- Maatkit - a cross-platform toolkit for MySQL, PostgreSQL and Memcached, developed in Perl Maatkit can be used to prove replication is working correctly, fix corrupted data, automate repetitive tasks, and speed up servers. Maatkit is included with several GNU/Linux distributions such as CentOS and Debian and packages are available for Programming

MySQL works on many different system platforms, including AIX, BSDi, FreeBSD, HP-UX, eComStation, i5/OS, IRIX, Linux, Mac OS X, Microsoft Windows, NetBSD, Novell NetWare, OpenBSD, OpenSolaris, OS/2 Warp, QNX, Solaris, Symbian, SunOS, SCO Open Server, SCO UnixWare, Sanos and Tru64. A port of MySQL to OpenVMS also exists.[32]

MySQL is written in C and C++. Its SQL parser is written in yacc, and a home-brewed lexical analyzer. Many programming languages with language-specific APIs include libraries for accessing MySQL databases. These include MySQL Connector/Net for integration with Microsoft's Visual Studio (languages such as C# and VB are most commonly used) and the JDBC driver for Java. In addition, an ODBCinterimage called MyODBC allows additional programming languages that support the ODBC interimage to communicate with a MySQL database, such as ASP or ColdFusion. The HTSQL - URL-based query method also ships with a MySQL adapter, allowing direct interaction between a MySQL database and any web client via structured URLs.

Features

As of April 2009, MySQL offered MySQL 5.1 in two different variants: the open source MySQL Community Server and the commercial Enterprise Server. MySQL 5.5 is offered under the same licenses. They have a common code base and include the following features:

- A broad subset of ANSI SQL 99, as well as extensions
- Cross-platform support
- Stored procedures
- Triggers
- Cursors
- Updatable Views
- Information schema
- Strict mode (ensures MySQL does not truncate or otherwise modify data to conform to an underlying data type, when an incompatible value is inserted into that type)
- X/Open XAdistributed transaction processing (DTP) support; two phase commit as part of this, using Oracle's InnoDB engine

- Independent storage engines (MyISAM for read speed, InnoDB for transactions and referential integrity, MySQL Archive for storing historical data in little space)
- Transactions with the InnoDB, and Cluster storage engines; savepoints with InnoDB
- SSL support
- Query caching
- Sub-SELECTs (i.e. nested SELECTs)
- Replication support (i.e. Master-Master Replication & Master-Slave Replication) with one master per slave, many slaves per master, no automatic support for multiple masters per slave.
- Full-text indexing and searching using MyISAM engine
- Embedded database library
- Unicode support (however prior to 5.5.3 UTF-8 and UCS-2 encoded strings are limited to the BMP, in 5.5.3 and later use utf8mb4 for full Unicode support)
- ACID compliance when using transaction capable storage engines (InnoDB and Cluster)
- Partitioned tables with pruning of partitions in optimizer
- Shared-nothing clustering through MySQL Cluster
- Hot backup (via mysqlhotcopy) under certain conditions

Multiple storage engines, allowing one to choose the one that is most effective for each table in the application (in MySQL 5.0, storage engines must be compiled in; in MySQL 5.1, storage engines can be dynamically loaded at run time): Native storage engines (MyISAM, Falcon, Merge, Memory (heap), Federated, Archive, CSV, Blackhole, Cluster, EXAMPLE, Maria, and InnoDB, which was made the default as of 5.5). Partner-developed storage engines (solidDB, NitroEDB, ScaleDB, TokuDB, Infobright (formerly Brighthouse), Kickfire, XtraDB, IBM DB2). InnoDB used to be a partner-developed storage engine, but with recent acquisitions, Oracle now owns both

MySQL core and InnoDB.

4. PROJECT DESCRIPTION

4.1 OVERVIEW OF THE PROJECT

In this project Online based Blood Donor Information System contains donor and user information. The Blood Donor system can be applied in where manual procedure exists. The purpose of this project is to reduce time consumption and human effort. This web application provides user friendly interface as well. In this project the admin can only view and maintain all information based the blood group and he/she can view the donor information. The donor can register and login the system using his user name and password after registration process the donor can view the requested user information into the system. This will help overcome the difficulties faced. The user can send the notification to the particular donor based on their blood group. The donor can view the user details who are requesting them. Every donor also register their details in the system.. This has to be done to change the way of collecting blood in systematic. The admin can monitor and maintaining all details into the database.

4.2 PROBLEM STATEMENT

In this project, there are three types of login. i.e Admin, User and Donor. After Logging in as a user, he/she can View dashboard, request for blood. Admin has full control of the system. Admin can view as well as manage the user and donor details. In short, the system helps to donate & request blood online, manage donors and request blood details. The user can easily register and login the system successfully and then send request to the donor. The design of this project is simple and the user won't find it difficult to understand, use and navigate.

4.3 MODULE DESCRIPTIONS

MODULES

- Admin
- Users
- Donors Registration
- Donor Search
- Notification

MODULE DESCRIPTIONS

Admin

Admin can manage both donors and users. Admin has the only responsibility maintain and stored the record.

Users

From this module user can create their account, when user create his account the user get a user id and password which identifies him uniquely. From this module user can search donor for blood.

Donors Registration

In this module, people who are interested in donating blood get registered in this site and give his overall details related to donor. User details contain name, address, city, gender, blood group, location, contact number etc,.

Donor Search

The people who are in need of blood can search in our site for getting the details of donors having the same blood group and within the same city.

Notification

In this module, notification sends to donors for emergency. SMS send to registered donors phone number.

5. SYSTEM ANALYSIS

5.1 EXISTING SYSTEM

In existing system the blood bank management system exhibited at a lot of ineffectiveness and inefficiency that had fetched impact taken by management. The system which was manual that is based on paper card to collect blood donor data, keep record of blood donors and disseminate results to blood donors, had weakness that needed IT based solutions. The system was characterized by delays and sometimes failure to access historical records; errors were witnessed in entry and manual analysis of results, secrecy and confidentiality of records lacked because unauthorized persons could easily access the records.

DISADVANTAGES OF EXISTING SYSTEM

- Limitation of the Manual system.

- It is time consuming.
- It leads to error prone results.
- It consumes lot of manpower to better results.
- It lacks of data security.
- Retrieval of data takes lot of time.
- Percentage of accuracy is less.
- Reports take time to produce.

5.2 PROPOSED SYSTEM

The proposed Blood donor information system helps the people who are in need of a blood by giving them all details of blood group availability or regarding the donors with the same blood group. This is a web application allows you to access the whole information about Blood donor application, readily scalable and adaptable to meet the complex need of Blood Banks Who are Key Facilitator for the Healthcare Sector, it also supports all the functionalities of Blood Bank.

ADVANTAGES OF PROPOSED SYSTEM

- The people in need of blood can search for the donors by giving their blood group and city name.
- It saves time as he can search donors online without going anywhere.

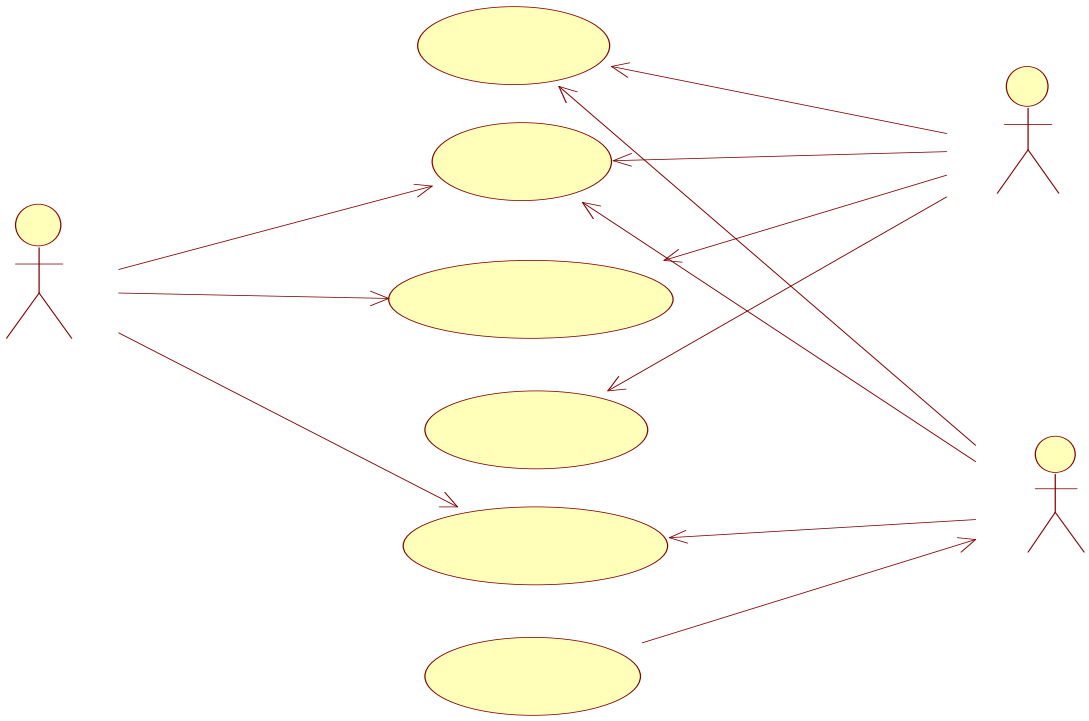
- Using this system user can get blood in time and can save and here our system work, whenever a person need blood his get information of the person who has the same blood group needs.

6. SYSTEM DESIGN

6.1 UML DIAGRAM

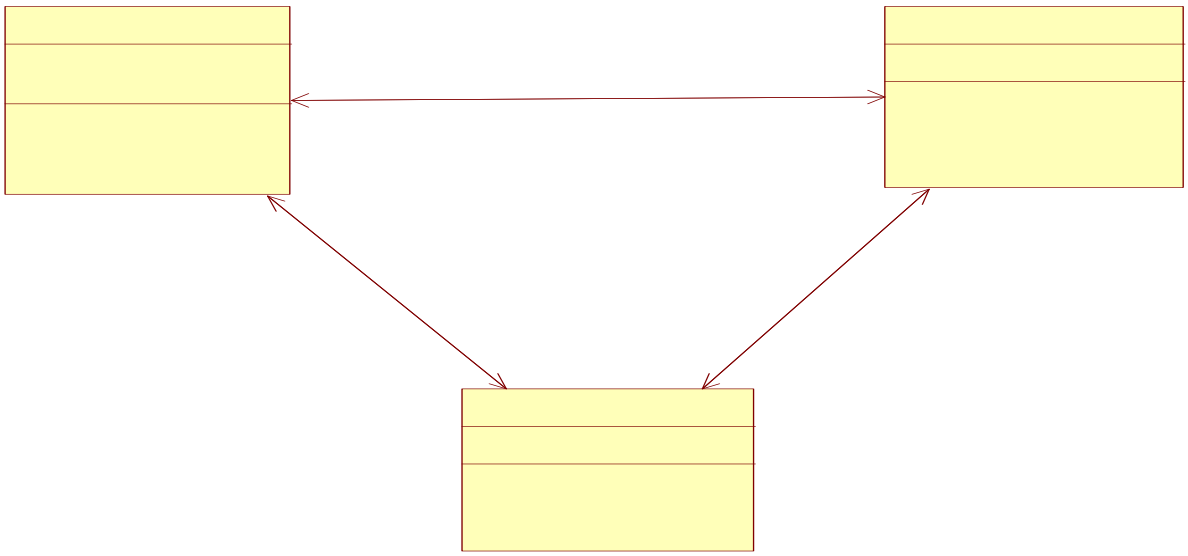
USE CASE DIAGRAM

A use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. In this context, a "system" is something being developed or operated, such as a web site. The "actors" are people or entities operating under defined roles within the system.



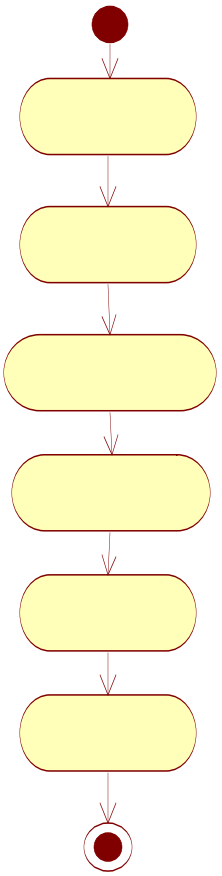
CLASS DIAGRAM

A class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations and the relationships among objects. The class diagram is the main building block of object-oriented modeling. It is used for general conceptual modeling of the systematic of the application, and for detailed modeling translating the models into programming code.



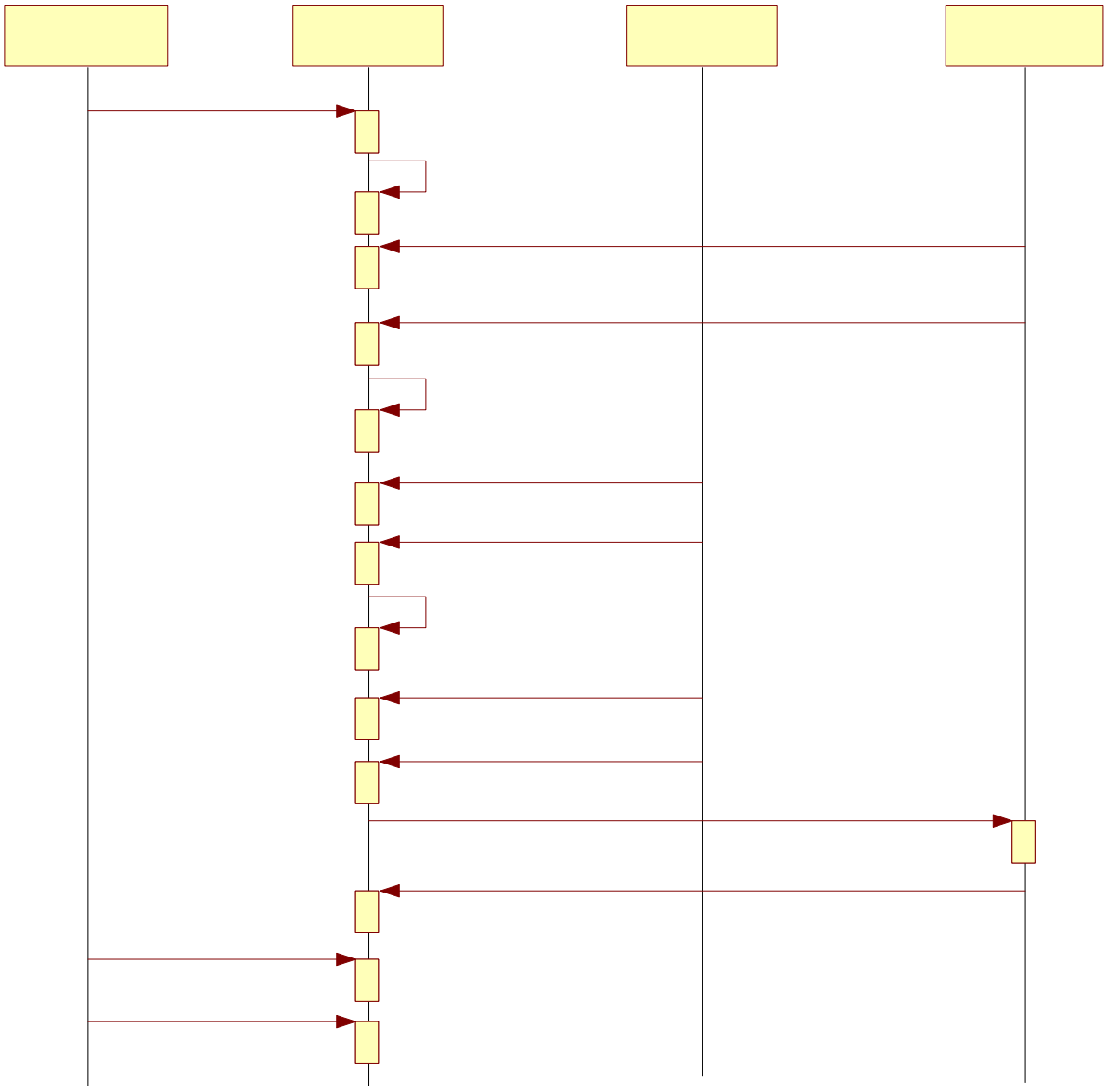
ACTIVITY DIAGRAM

Activity diagram displays a special state diagram, where most of the state are action states and most of the transitions are triggered by completion o0f the action in the source states. The activity can be described as an operation of the system. So the control flow is drawn from one operation to another. This flow can be sequential, branched or concurrent. Activity diagrams deals with all type of flow control by using different elements.



SEQUENCE DIAGRAM

A sequence diagram shows object interactions arranged in time sequence. It depicts the objects and classes involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario. Sequence diagrams are typically associated with use case realizations in the Logical View of the system under development. Sequence diagrams are sometimes called event diagrams or event scenarios.



6.2 DATABASE DESIGN

A table is a data structure that organizes information into rows and columns. It can be used to both store and display data in a structured format. For example, databases store data in tables so that information can be quickly accessed from specific rows. Websites often use tables to display multiple rows of data on page. Spreadsheets combine both purposes of a table by storing and

displaying data in a structured format.

Databases often contain multiple tables, with each one designed for a specific purpose. For example, a company database may contain separate tables for employees, clients, and suppliers. Each table may include its own set of fields, based on what data the table needs to store. In database tables, each field is considered a column, while each entry (or record), is considered a row. A specific value can be accessed from the table by requesting data from an individual column and row.

Table Name: Admin

Field	Type	Null	Default
uname	varchar(10)	Yes	NULL
password	varchar(10)	Yes	NULL

Table Name: Booking

Field	Type	Null	Default
id	int(10)	Yes	NULL
uid	varchar(10)	Yes	NULL
did	varchar(10)	Yes	NULL
status	varchar(10)	Yes	NULL

Table Name: Register1

Field	Type	Null	Default
id	int(10)	Yes	NULL
name	varchar(20)	Yes	NULL
gender	varchar(20)	Yes	NULL
age	varchar(10)	Yes	NULL
bg	varchar(10)	Yes	NULL

address	varchar(50)	Yes	NULL
pnumber	varchar(10)	Yes	NULL
email	varchar(30)	Yes	NULL
uname	varchar(20)	Yes	NULL
password	varchar(20)	Yes	NULL
status	varchar(10)	Yes	NULL

7. SYSTEM TESTING

7.1 TEST PLAN

Testing Level Specific Test Plans**:** Plans for each level of testing.

- Unit Test Plan
- Integration Test Plan
- System Test Plan

7.2 TEST CASES

A test case has components that describe input, action and an expected response, in order to determine if a feature of an application is working correctly. A test case is a set of instructions on "HOW" to validate a particular test objective/target, which when followed will tell us if the expected behavior of the system is satisfied or not.

Characteristics of a good test case:

- Accurate: Exacts the purpose.
- Economical: No unnecessary steps or words.
- Traceable: Capable of being traced to requirements.
- Repeatable: Can be used to perform the test over and over.
- Reusable: Can be reused if necessary.

S.NO	Scenario	Input	Excepted output	Actual output
1	Admin Login Form	User name and password	Login	Login success.
2	User Registration Form	User basic details	Registration	User registration details stored in database.
3	Donor Registration Form	Donor basic details	Registration	Donor registration details stored in database.

7.3 BUG REPORT

Bug report providing any important information uncovered by the tests accomplished and including assessments of the quality to the testing effort, the quality of the software under test and statistics derived from incident reports

Bug id	**Test module**	**Details**	**Bug status**
B01	User module	User can entered invalid username and password. It shows incorrect user name and password	Success

8. CONCLUSION

The ONLINE BASED BLOOD DONOR INFORMATION SYSTEM is great project. This project is designed for successful completion of project on blood donor system. The basic building aim is to provide blood donation service to the city recently. Online Based Blood donor Information System (OBBDIS) is a Web based application 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 helps them manage in a better way Blood Bank donation system can collect blood from many donators in short from various sources and distribute that blood to needy people who require blood. To do all this we require high quality Web Application to manage those jobs.

9. FUTURE ENHANCEMENT

In future, we can develop this project in android platform. We will add extra features like donor location tracking system (GPS), Feedback form, etc.

10. APPENDICES

APPENDIX 1: SAMPLE SOURCE CODE

Index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
<title>Blood Bank</title>
  <!-- Bootstrap -->
  <link href="css/bootstrap.min.css" rel="stylesheet">
        <link href="css/bootstrap.min.css" rel="stylesheet">
        <link rel="stylesheet" href="css/font-awesome.min.css">
        <link href="css/animate.min.css" rel="stylesheet">
        <link href="css/animate.css" rel="stylesheet" />
        <link href="css/prettyPhoto.css" rel="stylesheet">
```

```
 <link href="css/style.css" rel="stylesheet">
        <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
  <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
  <!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
  <![endif]-->
  <style type="text/css">
<!--
.style1 {       font-size: 24px;
        font-weight: bold;
}
-->
  </style>
</head>
<body>
        <nav class="navbar navbar-default navbar-fixed-top">
                <div class="container">
                        <div class="row">
                                <div class="col-md-2">
```

```
                    <div class="site-logo">
                        <a href="index.php" class="brand">BloodBank</a>
                    </div>
                    </div>

                    <div class="col-md-10">
                        <!-- Brand and toggle get grouped for better mobile display
-->
                        <div class="navbar-header">
                            <button type="button" class="navbar-toggle" data-
toggle="collapse" data-target="#menu">
                                <i class="fa fa-bars"></i>
                    </button>
                        </div>
                        <!-- Collect the nav links, forms, and other content for
toggling -->
                        <div class="collapse navbar-collapse" id="menu">
                            <ul class="nav navbar-nav navbar-right">
                                <li><a href="index.php">Home</a></li>
                                <li><a
href="adminlog.php">Admin</a></li>
                                <li><a
href="donorlog.php">Donor</a></li>
```

```
                                        <li><a href="userlog.php">User</a></li>

</ul>
                                    </div>
                                    <!-- /.Navbar-collapse -->
                                </div>
                            </div>
                        </div>
                    </nav>
                    <!--/#about-->
                    <!--/#portfolio-item-->
                    <section id="contact">
                     <div class="contact-page">
                       <p> </p>
                       <p> </p>
                       <p> </p>
                     </div>
                            <!--/#contact-page-->
                    </section>
                       <p><!--/#footer-->
                   <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
```

```
    <script src="js/jquery.js"></script>
  </p>
  <p> </p>
  <p align="center"><span class="style1">Welcome To Enhance Blood Bank Management System</span></p>
  <p> </p>
  <p align="center"><img src="images/Blood Drop.png" width="256" height="256" /></p>
  <p> </p>
  <p> </p>
  <p> </p>
  <p> </p>
  <p> </p>
  <p> </p>
  <p> </p>
  <p> </p>
  <p> </p>
  <p> </p>
  <p>
    <!-- Include all compiled plugins (below), or include individual files as needed -->
    <script src="js/bootstrap.min.js"></script>
    <script src="js/jquery.prettyPhoto.js"></script>
```

```
    <script src="js/jquery.isotope.min.js"></script>
    <script src="js/wow.min.js"></script>
    <script src="js/jquery.easing.min.js"></script>
    <script src="js/main.js"></script>
</p>
        <footer id="footer" class="midnight-blue">
         <div class="container">
       <div class="row">
        <div class="col-md-6 col-md-offset-3">
                                <div class="text-center">
                                    <a href="#home" class="scrollup"><i class="fa fa-angle-up fa-3x"></i></a>                                </div>
            &copy; 2015 <a target="_blank" href="http://bootstraptaste.com/" title="Free Twitter Bootstrap WordPress Themes and HTML templates">bootstraptaste</a>. All Rights Reserved.
            <!--
                All links in the footer should remain intact.
                Licenseing information is available at: http://bootstraptaste.com/license/
                You can buy this theme without footer links online at: http://bootstraptaste.com/buy/?theme=OnePage
             -->
       </div></body>
</html>
```

Adminlog.php

```
<?php
include("dbconnect.php");
session_start();
extract($_POST);
if(isset($_POST['btn']))
{
 $qry=mysql_query("select * from admin where uname='$uname' && password='$password'");
 $num=mysql_num_rows($qry);
if($num==1)
{
?>
 <script language="javascript">
        alert("Login Successfully..");
        window.location.href="admin.php";
 </script>
<?php
}
else
{
?>
```

```
<script language="javascript">
        alert("UserName And Password Unsuccessfully..");
        window.location.href="adminlog.php";
</script>
<?php
}
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
<title>Blood Bank</title>

  <!-- Bootstrap -->
  <link href="css/bootstrap.min.css" rel="stylesheet">
        <link href="css/bootstrap.min.css" rel="stylesheet">
```

```
        <link rel="stylesheet" href="css/font-awesome.min.css">
        <link href="css/animate.min.css" rel="stylesheet">
        <link href="css/animate.css" rel="stylesheet" />
        <link href="css/prettyPhoto.css" rel="stylesheet">
 <link href="css/style.css" rel="stylesheet">

  <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
  <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
  <!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
  <![endif]-->
  <style type="text/css">
<!--
.style1 {       font-size: 24px;
        font-weight: bold;
}
.style3 {font-size: 36px; font-weight: bold; }
.style4 {       font-size: 18px;
        font-weight: bold;
}
```

```
-->
  </style>
</head>
<body>
<form name="form1" action="" method="post">
        <nav class="navbar navbar-default navbar-fixed-top">
                <div class="container">
                        <div class="row">
                                <div class="col-md-2">
                                        <div class="site-logo">
                                                <a href="index.php" class="brand">BloodBank</a>
                                </div>
                                </div>

                                <div class="col-md-10">
                                        <!-- Brand and toggle get grouped for better mobile display
-->
                                        <div class="navbar-header">
                                                <button type="button" class="navbar-toggle" data-
toggle="collapse" data-target="#menu">
                                                        <i class="fa fa-bars"></i>
                        </button>
```

```
                    </div>
                    <!-- Collect the nav links, forms, and other content for toggling -->
                    <div class="collapse navbar-collapse" id="menu">
                        <ul class="nav navbar-nav navbar-right">
                            <li><a href="index.php">Home</a></li>
                            <li><a href="adminlog.php">Admin</a></li>
                            <li><a href="donorlog.php">Donor</a></li>
                            <li><a href="userlog.php">User</a></li>

                        </ul>
                    </div>
                    <!-- /.Navbar-collapse -->
                </div>
            </div>
        </div>
    </nav>
    <!--/#about-->
    <!--/#portfolio-item-->
    <section id="contact">
```

```
          <div class="contact-page">
           <p> </p>
           <p> </p>
           <p> </p>
          </div>
                <!--/#contact-page-->
        </section>
          <p><!--/#footer-->
   <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
   <script src="js/jquery.js"></script>
   <span class="style1">Welcome To Admin Login </span></p>
<p> </p>
<table width="100%" border="0">
 <tr>
   <td width="21%"> </td>
   <td colspan="2"><div align="center" class="style3">Login</div></td>
   <td width="11%"><p><img src="images/admin.png" width="218" height="166"></p></td>
 </tr>
 <tr>
   <td> </td>
   <td width="10%"> </td>
```

```
 <td width="22%"> </td>
 <td> </td>
</tr>
<tr>
 <td height="32"> </td>
 <td><span class="style4">User Name </span></td>
 <td><label>
  <input name="uname" type="text" id="uname" />
 </label></td>
 <td> </td>
</tr>
<tr>
 <td height="31"> </td>
 <td><span class="style4">Password</span></td>
 <td><label>
  <input name="password" type="password" id="password" />
 </label></td>
 <td> </td>
</tr>
<tr>
 <td height="30"> </td>
```

```
  <td> </td>
  <td> </td>
  <td> </td>
 </tr>
 <tr>
  <td height="34"> </td>
  <td> </td>
  <td><label>
   <input name="btn" type="submit" id="btn" value="Login" />
   <input type="reset" name="Submit2" value="Cancel" />
  </label></td>
  <td> </td>
 </tr>
 <tr>
  <td> </td>
  <td> </td>
  <td> </td>
  <td> </td>
 </tr>
</table>
<p align="center"> </p>
```

```
<p> </p>

<p align="center"> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p>
    <!-- Include all compiled plugins (below), or include individual files as needed -->

    <script src="js/bootstrap.min.js"></script>

    <script src="js/jquery.prettyPhoto.js"></script>

    <script src="js/jquery.isotope.min.js"></script>

    <script src="js/wow.min.js"></script>

    <script src="js/jquery.easing.min.js"></script>

    <script src="js/main.js"></script>

</p>
```

```
<footer id="footer" class="midnight-blue">
<div class="container">
<div class="row">
<div class="col-md-6 col-md-offset-3">
<div class="text-center">
<a href="#home" class="scrollup"><i class="fa fa-angle-up fa-3x"></i></a> </div>
&copy; 2015 <a target="_blank" href="http://bootstraptaste.com/" title="Free Twitter Bootstrap WordPress Themes and HTML templates">bootstraptaste</a>. All Rights Reserved.
<!--
All links in the footer should remain intact.
Licenseing information is available at: http://bootstraptaste.com/license/
You can buy this theme without footer links online at: http://bootstraptaste.com/buy/?theme=OnePage
-->
</div></form>
</body>
</html>Dbconnect.php
<?php
$connect=mysql_connect("localhost","root","");
mysql_select_db("bbank",$connect);
?>
```

Donor.php

```
<?php
include("dbconnect.php");
session_start();
extract($_POST);
echo $did=$_SESSION['did'];
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
<title>Blood Bank</title>

  <!-- Bootstrap -->
  <link href="css/bootstrap.min.css" rel="stylesheet">
        <link href="css/bootstrap.min.css" rel="stylesheet">
        <link rel="stylesheet" href="css/font-awesome.min.css">
```

```
        <link href="css/animate.min.css" rel="stylesheet">
        <link href="css/animate.css" rel="stylesheet" />
        <link href="css/prettyPhoto.css" rel="stylesheet">
 <link href="css/style.css" rel="stylesheet">

  <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
  <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
  <!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
  <![endif]-->
  <style type="text/css">
<!--
.style1 {       font-size: 24px;
        font-weight: bold;
}
.style2 {       font-size: 18px;
        font-weight: bold;
}
-->
  </style>
```

```
</head>

<body>

<form id="form1" name="form1" method="post" action="">

        <nav class="navbar navbar-default navbar-fixed-top">

                <div class="container">

                        <div class="row">

                                <div class="col-md-2">

                                        <div class="site-logo">

                                                <a href="index.php" class="brand">BloodBank</a>

                                </div>

                                </div>



                                <div class="col-md-10">

                                        <!-- Brand and toggle get grouped for better mobile display

-->

                                        <div class="navbar-header">

                                                <button type="button" class="navbar-toggle" data-

toggle="collapse" data-target="#menu">

                                                        <i class="fa fa-bars"></i>

                        </button>

                                        </div>
```

```
                    <!-- Collect the nav links, forms, and other content for toggling -->
                    <div class="collapse navbar-collapse" id="menu">
                        <ul class="nav navbar-nav navbar-right">
                            <li><a href="donor.php">Home</a></li>
                            <li><a href="bview.php">View User Details</a></li>
                            <li><a href="donorlog.php">LogOut</a></li>
                        </ul>
                    </div>
                    <!-- /.Navbar-collapse -->
                </div>
            </div>
        </div>
    </nav>
    <!--/#about-->
    <!--/#portfolio-item-->
    <section id="contact">
     <div class="contact-page">
      <p> </p>
```

```
            <p> </p>

            <p> </p>

           </div>

                  <!--/#contact-page-->

         </section>

           <p><!--/#footer-->

        <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->

    <script src="js/jquery.js"></script>

  </p>

  <p align="center"><span class="style1">Welcome To Donor Page </span></p>

  <p> </p>

  <p align="right"> </p>

  <p> </p>

   <p> </p>

  <p align="center"> </p>

  <p><span class="style1">User Requests</span></p>

  <p align="center"> </p>

  <table width="90%" border="1" align="center">

    <tr>

     <td width="11%" height="49" bgcolor="#CCCCFF"><div align="center" class="style2">Sl.No</div></td>
```

```
    <td width="18%" bgcolor="#CCCCFF"><div align="center" class="style2">User Name </div></td>

    <td width="18%" bgcolor="#CCCCFF"><div align="center" class="style2">Phone Number </div></td>

    <td width="22%" bgcolor="#CCCCFF"><div align="center" class="style2">Action</div></td>

  </tr>

  <?php

      $i=1;

      $qry=mysql_query("select * from booking where did='$did' && status='0'");

      while($row=mysql_fetch_array($qry))

      {

      $uid=$row['uid'];

      $qrt=mysql_query("select * from register1 where id='$uid'");

      $r1=mysql_fetch_array($qrt);

      ?>

  <tr>

   <td height="56"><div align="center"><?php echo $i;?></div></td>

   <td><div align="center"><?php echo $r1['name'];?></div></td>

     <td><div align="center"><?php echo $r1['pnumber'];?></div></td>

   <td><div align="center"><a href="donor.php?act=add&id=<?php echo $row['id'];?>">Accept</a> || <a href="donor.php?act=rej&id=<?php echo
```

```
$row['id'];?>">Reject</a></div></td>
    </tr>
    <?php
        $i++;
        }
        if($_REQUEST["act"]==('add'))
        {
                $id=$_REQUEST['id'];

        $qy=mysql_query("update booking set status='1' where id='$id'");
        echo "Accepted Sucess";
                }
        if($_REQUEST["act"]==('rej'))
        {
        $id=$_REQUEST['id'];
                $qy=mysql_query("update booking set status='2' where id='$id'");
        echo "Rejected Sucess";
                }
        ?>
  </table>
  <p align="center"> </p>
```

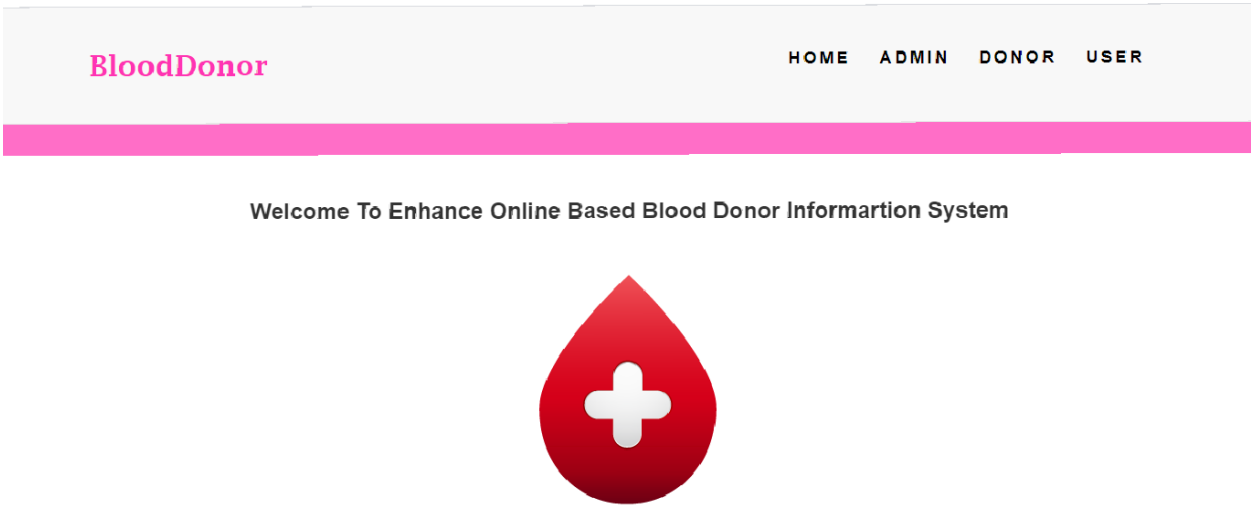
```
<p align="center"> </p>

<p> </p>

<p> </p>

<p> </p>

<p>

<p><span class="style1"><img src="images/donate.png" width="399" height="374" /></span></p>

<p align="center"> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p> </p>

<p>

<!-- Include all compiled plugins (below), or include individual files as needed -->

<script src="js/bootstrap.min.js"></script>
```

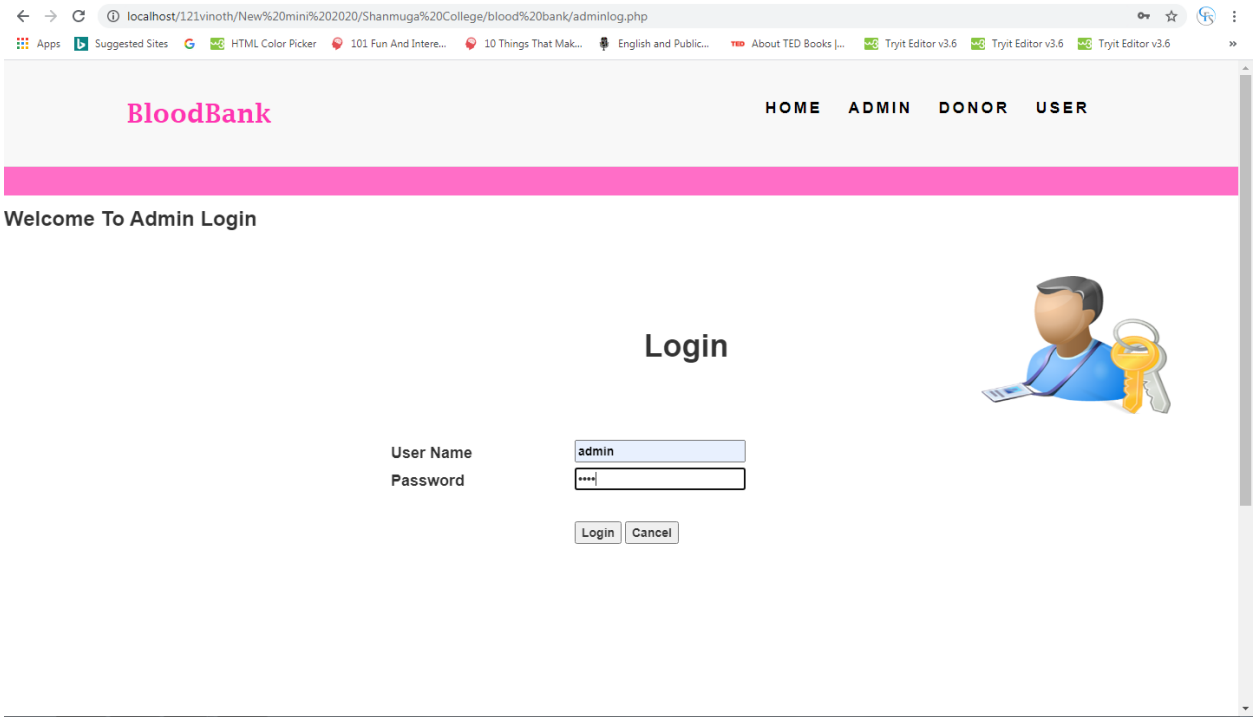
```
    <script src="js/jquery.prettyPhoto.js"></script>
    <script src="js/jquery.isotope.min.js"></script>
    <script src="js/wow.min.js"></script>
    <script src="js/jquery.easing.min.js"></script>
    <script src="js/main.js"></script>
</p>
        <footer id="footer" class="midnight-blue">
         <div class="container">
       <div class="row">
        <div class="col-md-6 col-md-offset-3">
                                <div class="text-center">
                                    <a href="#home" class="scrollup"><i class="fa fa-angle-up fa-3x"></i></a>                                </div>
            &copy; 2015 <a target="_blank" href="http://bootstraptaste.com/" title="Free Twitter Bootstrap WordPress Themes and HTML templates">bootstraptaste</a>. All Rights Reserved.
            <!--
                All links in the footer should remain intact.
                Licenseing information is available at: http://bootstraptaste.com/license/
                You can buy this theme without footer links online at: http://bootstraptaste.com/buy/?theme=OnePage
            -->
       </div></form>
```

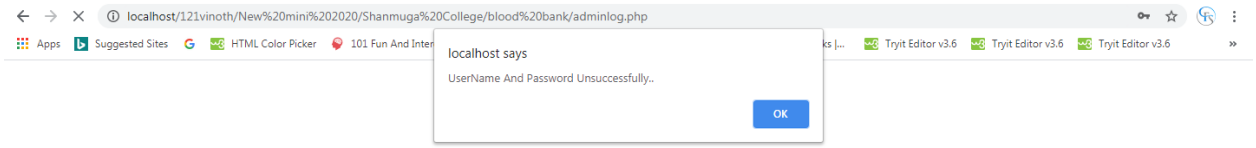
</body>

</html>

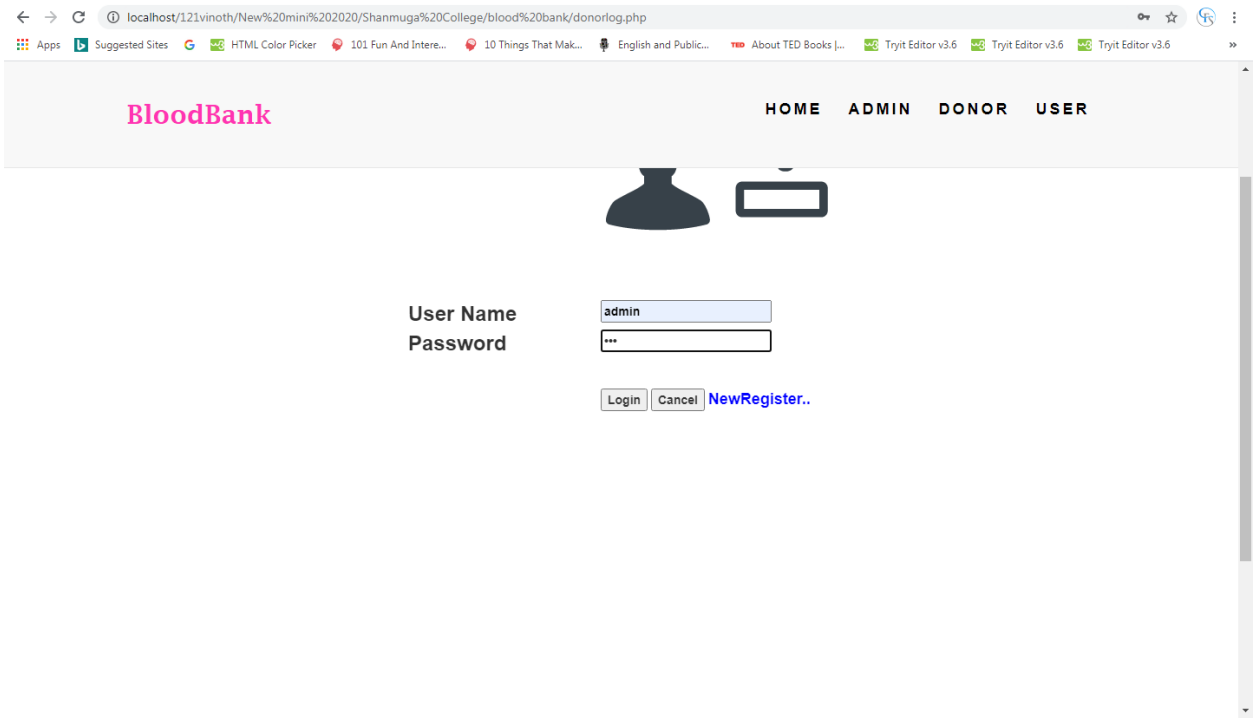
APPENDIX 2: SAMPLE SCREEN SHOTS

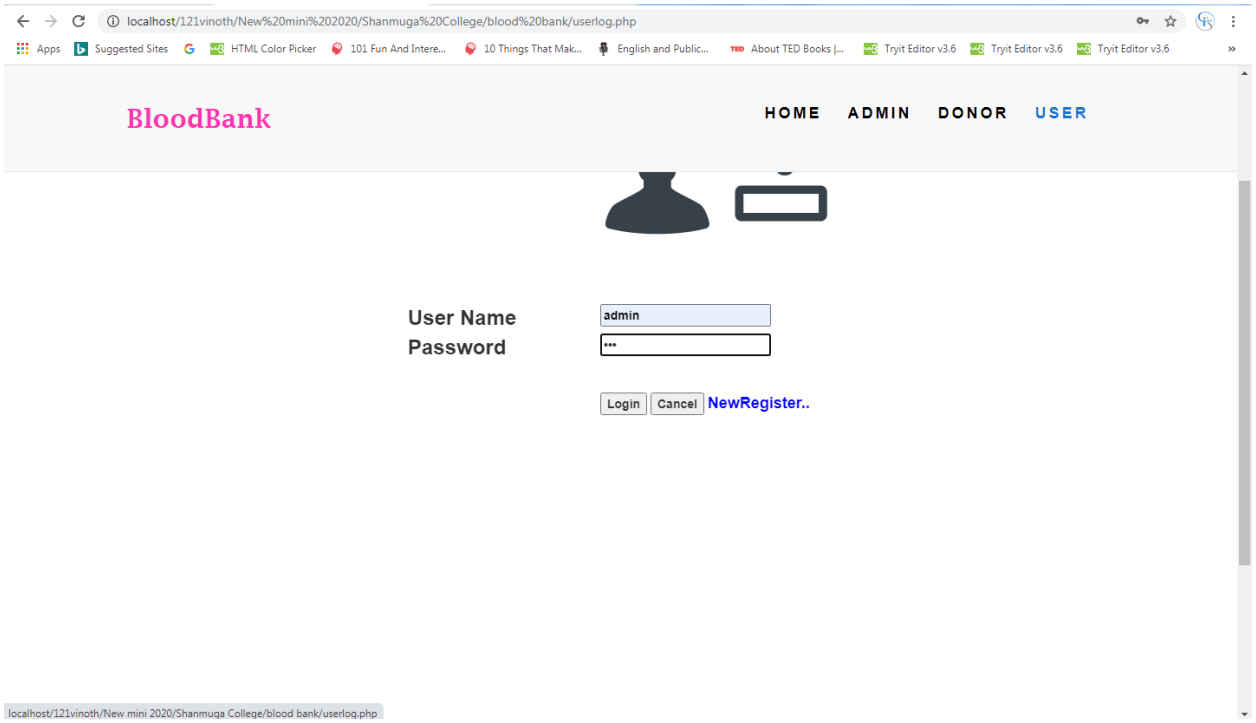


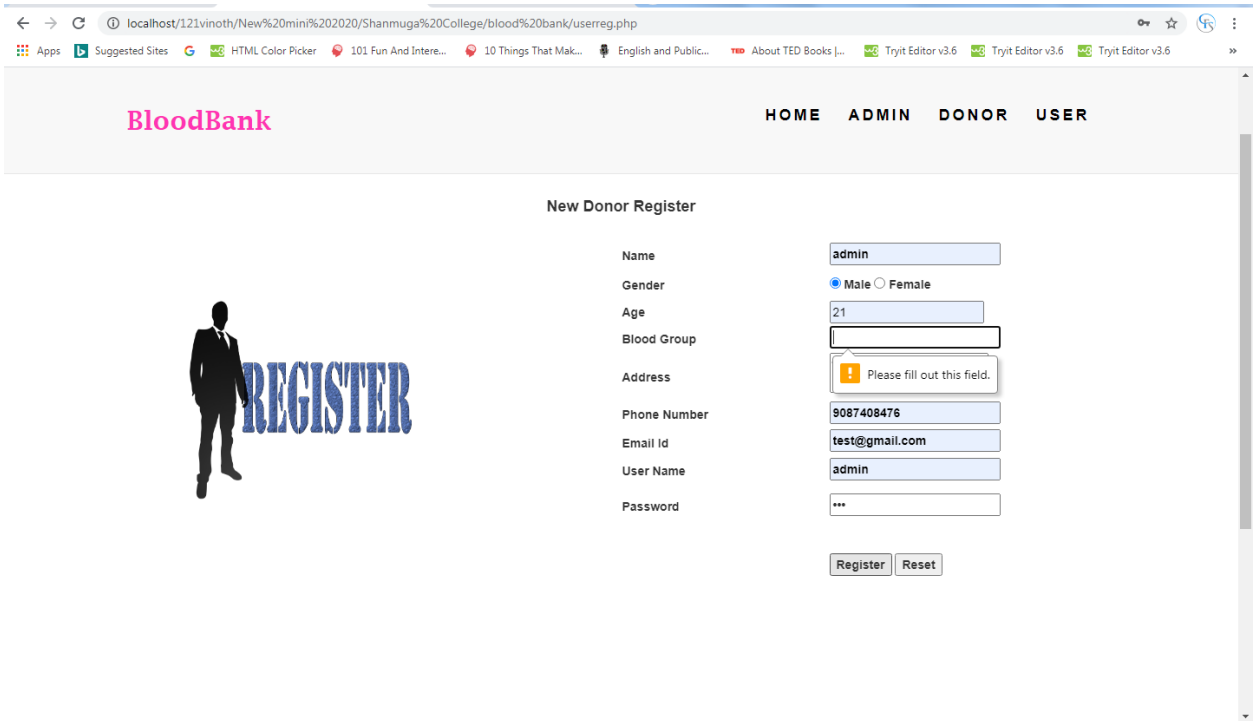


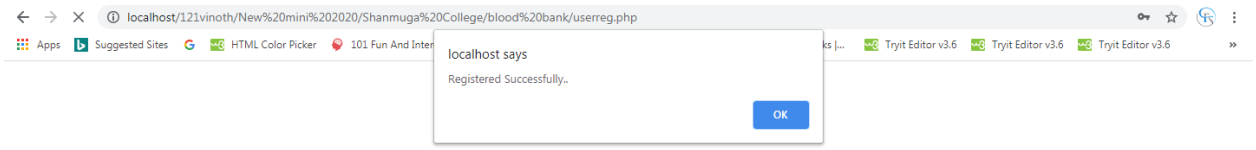


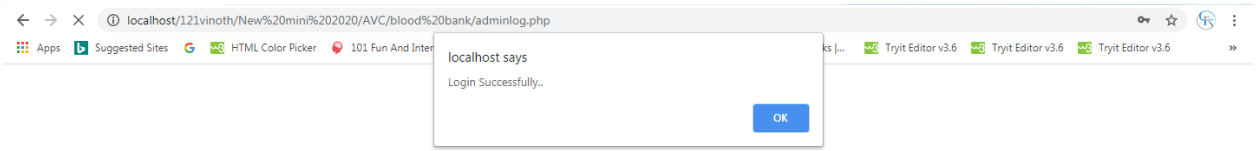
Waiting for localhost...

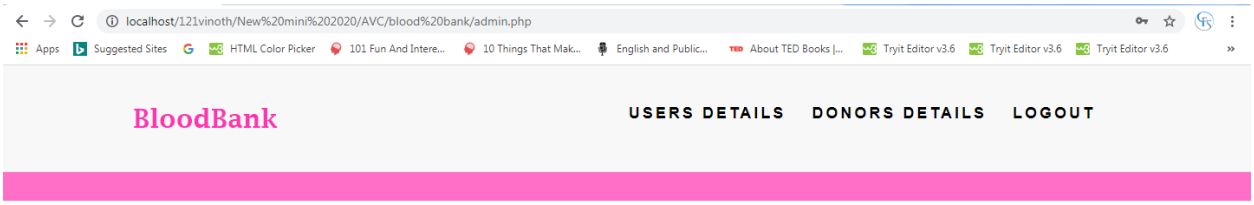

localhost/121vinoth/New%20mini%202020/Shanmuga%20College/blood%20bank/donorlog.php
BloodBank
HOME ADMIN DONOR USER
User Name
Password
admin
Login Cancel NewRegister..


localhost/121vinoth/New%20mini%202020/Shanmuga%20College/blood%20bank/userlog.php
BloodBank
HOME ADMIN DONOR USER
User Name
Password
admin
Login Cancel NewRegister..
localhost/121vinoth/New mini 2020/Shanmuga College/blood bank/userlog.php


localhost/121vinoth/New%20mini%202020/Shanmuga%20College/blood%20bank/userreg.php
BloodBank
HOME ADMIN DONOR USER
New Donor Register
REGISTER
Name
admin
Gender
Male Female
Age
21
Blood Group
Address
Please fill out this field.
Phone Number
9087408476
Email Id
test@gmail.com
User Name
admin
Password
Register
Reset

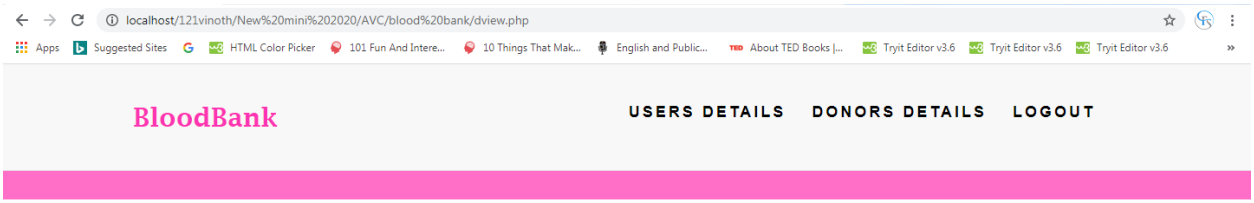

localhost/121vinoth/New%20mini%202020/Shanmuga%20College/blood%20bank/userreg.php
localhost says
Registered Successfully..
OK





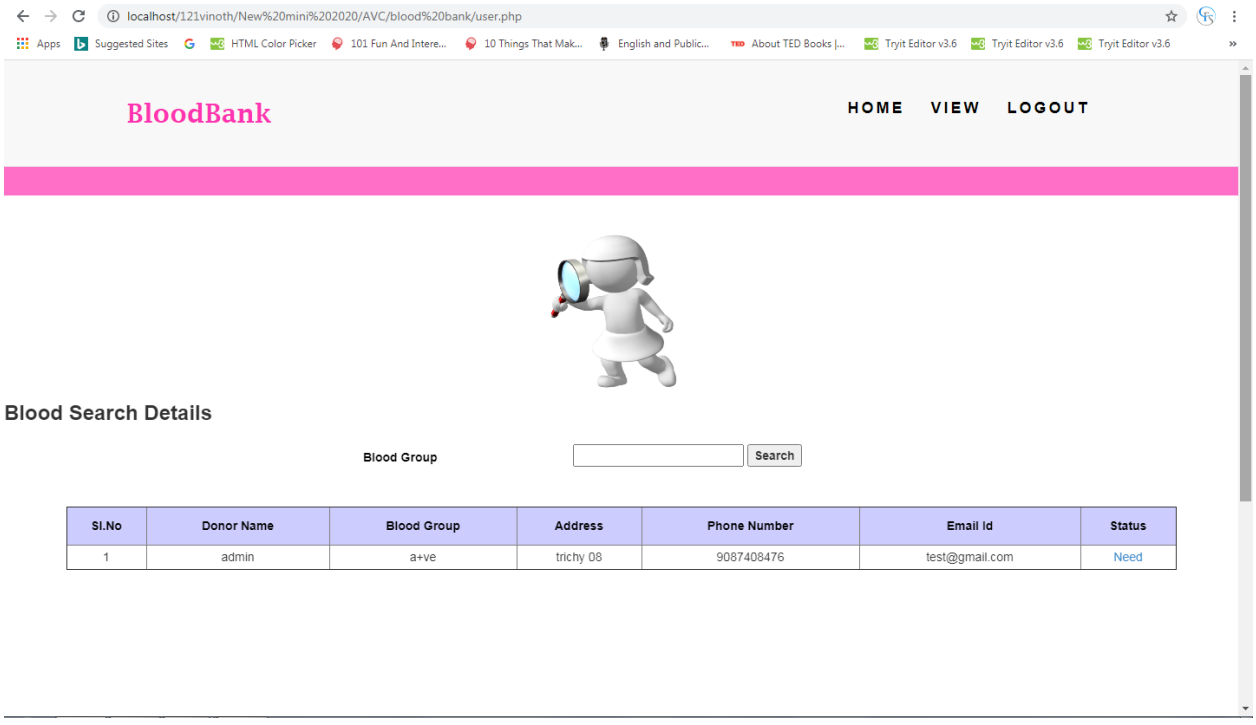
User Details

Sl.No	Name	Address	Email Id	Phone Number
1	admin1	trichy	test@gmail.com	9087408476
2	admin	trichy	test@gmail.com	9087408476

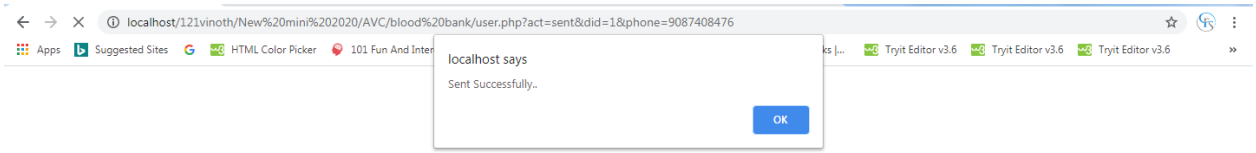


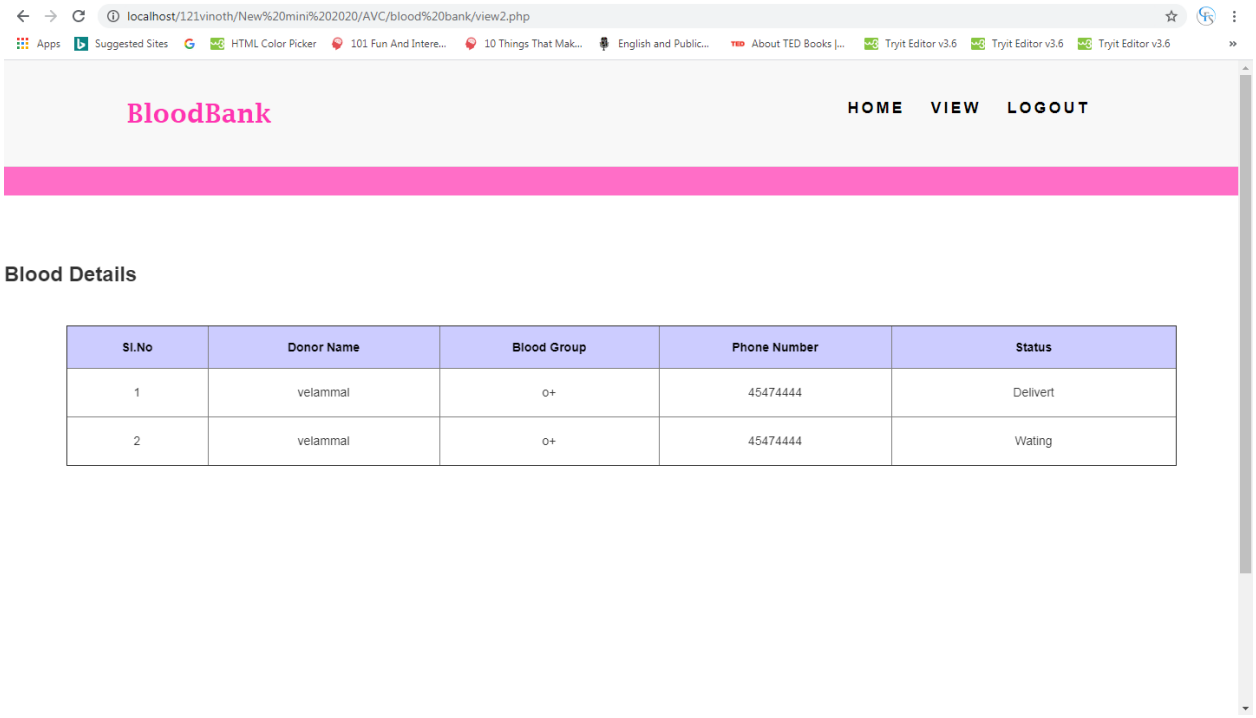
Donor Details

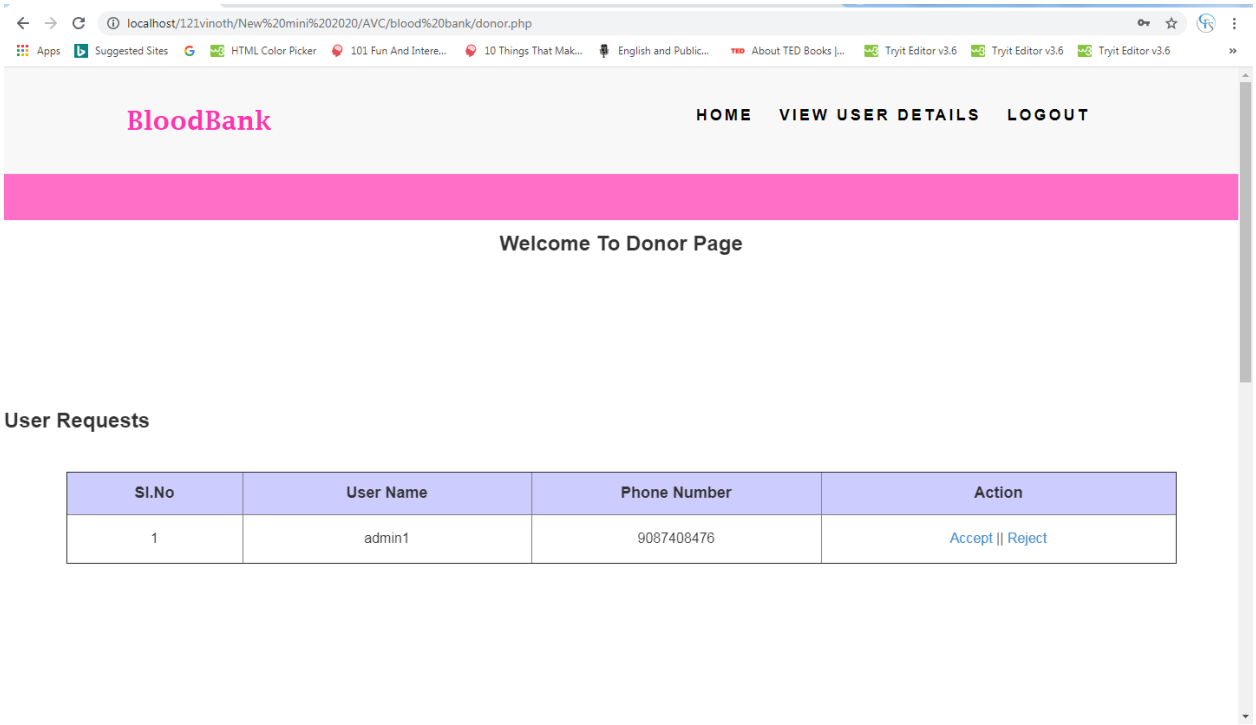
Sl.No	Name	Address	Email Id	Phone Number
1	admin	trichy 08	test@gmail.com	9087408476

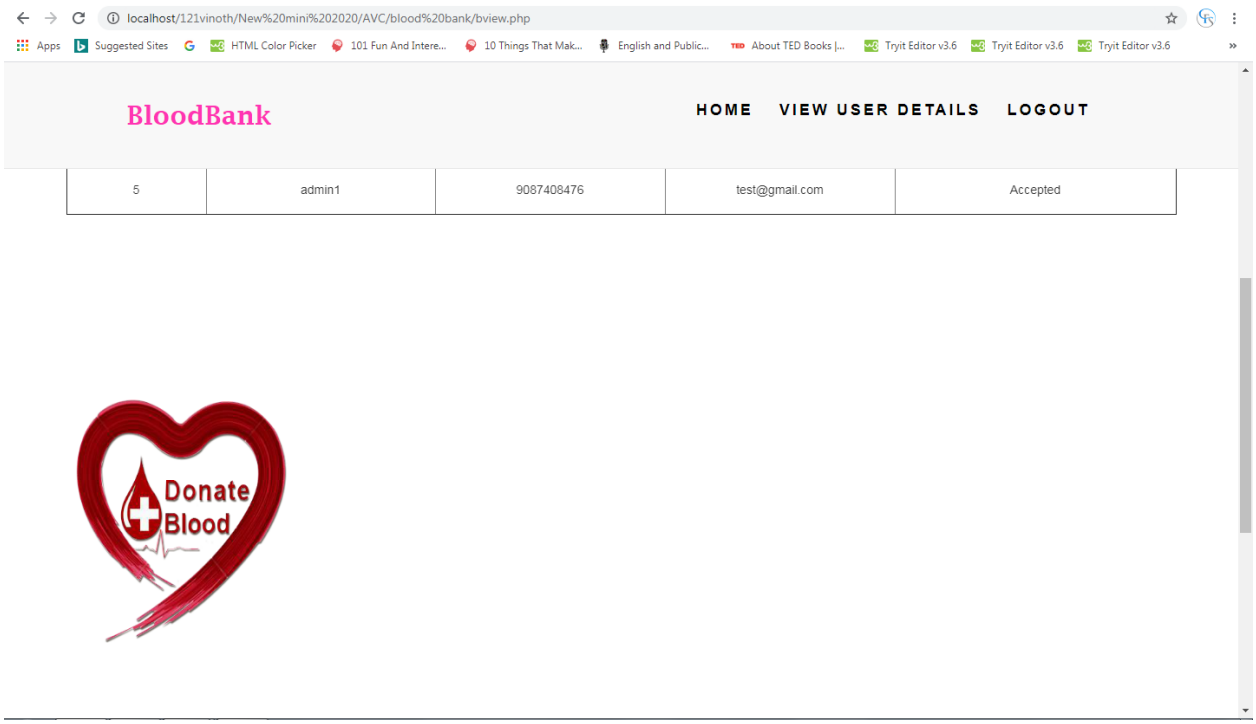


Sl.No	Donor Name	Blood Group	Address	Phone Number	Email Id	Status
1	admin	a+ve	trichy 08	9087408476	test@gmail.com	Need


localhost/121vinoth/New%20mini%202020/AVC/blood%20bank/user.php?act=sent&did=1&phone=9087408476
Apps
Suggested Sites
HTML Color Picker
101 Fun And Inter
Tryit Editor v3.6
Tryit Editor v3.6
Tryit Editor v3.6
localhost says
Sent Successfully..
OK


localhost/121vinoth/New%20mini%202020/AVC/blood%20bank/view2.php
Apps
Suggested Sites
HTML Color Picker
101 Fun And Intere...
10 Things That Mak...
English and Public...
About TED Books |...
Tryit Editor v3.6
Tryit Editor v3.6
Tryit Editor v3.6
BloodBank
HOME
VIEW
LOGOUT
Blood Details
Sl.No
Donor Name
Blood Group
Phone Number
Status
1
velammal
o+
45474444
Delivert
2
velammal
o+
45474444
Wating


localhost/121vinoth/New%20mini%202020/AVC/blood%20bank/donor.php
BloodBank
HOME
VIEW USER DETAILS
LOGOUT
Welcome To Donor Page
User Requests
Sl.No
User Name
Phone Number
Action
1
admin1
9087408476
Accept || Reject


localhost/121vinoth/New%20mini%202020/AVC/blood%20bank/bview.php
BloodBank
HOME
VIEW USER DETAILS
LOGOUT
5
admin1
9087408476
test@gmail.com
Accepted
Donate
Blood

11. REFERENCES

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