# ABSTRACT

Help Line is an voluntary and non-governmental organization. It maintains Online library of blood donors in India. Sometimes Doctors and Blood bank project have to face the difficulty in finding the blood group Donors at right time. Help Line has attempted to provide the answer by taking upon itself the task of collecting Blood bank project nationwide for the cause and care of people in need.At any point of time the people who are in need can reach the donors through our search facility. By mobilizing people and organization who desire to make a difference in the lives of people in need. On the basis of humanity, Everyone is welcome to register as a blood donor. Blood Bank Management System (BBMS) 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. Aim is to provide transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective.

# CHAPTER 1

# INTRODUCTION

The Blood Bank Management System is great project. This project is designed for successful completion of project on blood bank management system. the basic building aim is to provide blood donation service to the city recently. Blood Bank Management System (BBMS) 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. Aim is to provide transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective.

The Blood bank system project report contain information related to blood like

    a) Blood type
    b) Date of Donation of blood
    c) Availability of Blood
    d) Available Blood group

# CHAPTER 2

# PROBLEM DESCRIPTION

Every Blood Donation Website and Service portal provides addressing to a donor and there is no support and service for the blood donor, blood camp management and blood receiver end and there is no proper documentation of the donor system. The problem has pre-existed for ears and will be proceeded and persisted over the years and this problem needed to be rectified through the system developed by generating The system has a properly maintained system and a processed evaluation and the made generosity was never invoked and riddled through the complete system. Generally, the given services are only provided by the same robust techniques. The given members of donation have accumulated problem in reaching the donor making a request this generally leads the way through the generated program

**Facts about the donor**

The number one reason donors say they give blood is that they "want to help others."Two most common reasons cited by people who don't give blood are: "Never thought about it" and "I don't like needles."One donation can help save the lives of up to three people.If you began donating blood at age 18 and donated every 90 days until you reached 60, you would have donated 30 liters of blood, potentially helping save more than 500 lives!Only 7 percent of people in India have an O-negative blood type. O-negative blood type donors are universal donors as their blood can be given to people of all blood types.Type O-negative blood is needed in emergencies before the patient's blood type is known and with newborns who need blood.Thirty-five percent of people have Type O (positive or negative) blood.0.4 percent of people have AB-blood type. AB-type blood donors are universal donors of plasma, which is often used in emergencies, for newborns and for patients requiring massive transfusions.

**Facts about the blood donation process**

Donating blood is a safe process. A sterile needle is used only once for each donor and then discarded. Blood donation is a simple four-step process: registration, medical history and mini-physical, donation and refreshments. Every blood donor is given a mini-physical, checking the donor's temperature, blood pressure, pulse and hemoglobin to ensure it is safe for the donor to give blood. The actual blood donation typically takes less than 10-12 minutes. The entire process, from the time you arrive at the time you leave, takes about an hour and 15 min. The average adult has about 10 units of blood in his body. Roughly 1 unit is given during a donation. A healthy donor may donate red blood cells every 56 days, or double red cells every 112 days. A healthy donor may donate platelets as few as 7 days apart, but a maximum of 24 times a year. All donated blood is tested for HIV, hepatitis B and C, syphilis and other infectious diseases before it can be transfused to patients.
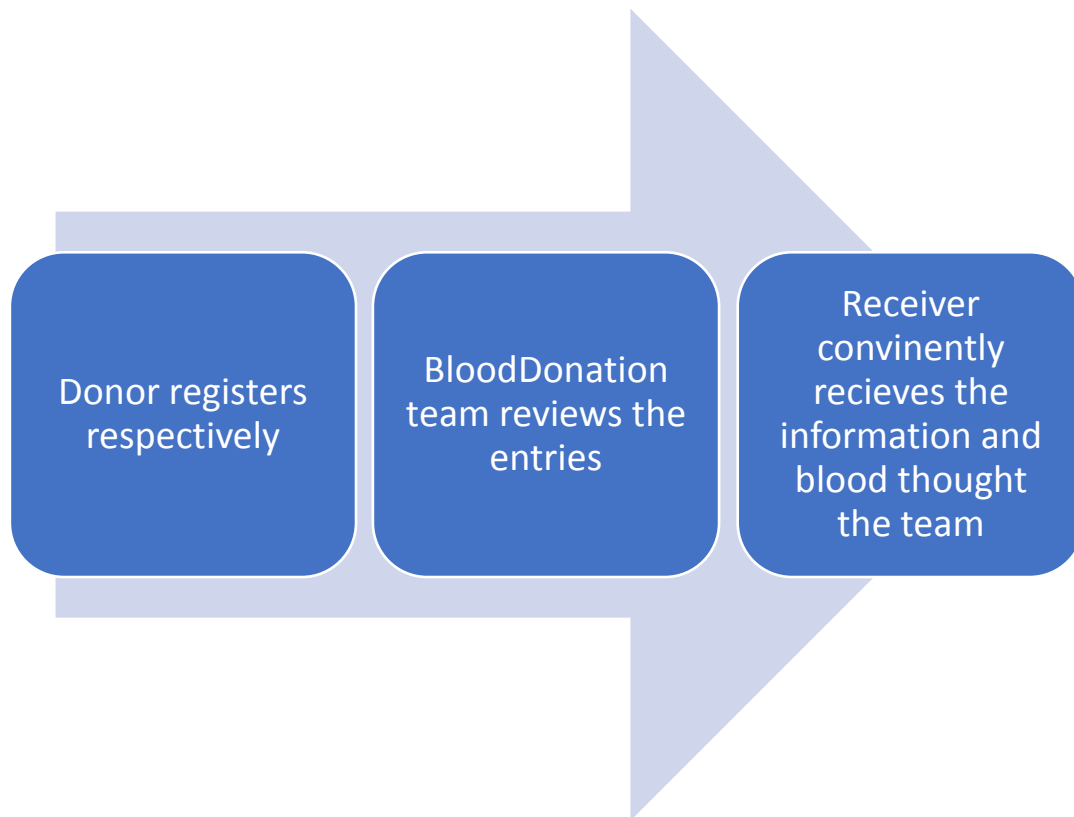
# CHAPTER 3

# EXISTING SYSTEMS

All these systems have not reached the desired and compelled system of the blood donation. These are all NGOs so there is no generated proper regulation for the given and not achieved the requested goal or the demographics of more users and in the welfare of public itself.

a) Friend2Support
b) Bharat Blood Bank
c) Tamil Nadu Blood Transfusion System
d) Red Cross Blood Donation Society
e) Save Life India Organization
f) Indian Blood Donors

# CHAPTER 4

# PROPOSED SYSTEM

The system generated by our team rectifies the major gap between the donor and the receiving end creating an unambiguous bridge between the person who wants to donate and the person who wants or is in dare need of the blood. The System this will allow for more spontaneous and amplitude reply to the blood receiver and a parametrized system which will define the flow of control.

Donor registers respectively → BloodDonation team reviews the entries → Receiver convinently recieves the information and blood thought the team

# CHAPTER 5

# MODULES

**ABOUT FRONT END**

The front end is an interface between the user and the back end. The front and back ends may be distributed amongst one or more systems.In network computing, front end can refer to any hardware that optimizes or protects network traffic. It is called application front-end hardware because it is placed on the network's outward-facing front end or boundary. Network traffic passes through the front-end hardware before entering the network.In compilers, the front end translates a computer programming source code into an intermediate representation, and the back end works with the intermediate representation to produce code in a computer output language. The back end usually optimizes to produce code that runs faster. The front-end/back-end distinction can separate the parser section that deals with source code and the back end that generates code and optimizes.These days, front-end development refers to the part of the web users interact with. In the past, web development consisted of people who worked with Photoshop and those who could code HTML and CSS. Now, developers need a handle of programs like Photoshop and be able to code not only in HTML and CSS, but also JavaScript or jQuery, which is a compiled library of JavaScript.Most of everything you see on any website is a mixture of HTML, CSS, and JavaScript, which are all controlled by the browser. For example, if you're using Google Chrome or Firefox, the browser is what translates all of the code in a manner for you to see and with which to interact, such as fonts, colors, drop-down menus, sliders, forms, etc. In order for all of this to work, though, there has to be something to support the front-end; this is where the backend comes into play.

**ARCHITECTURE OF FRONT END USER**
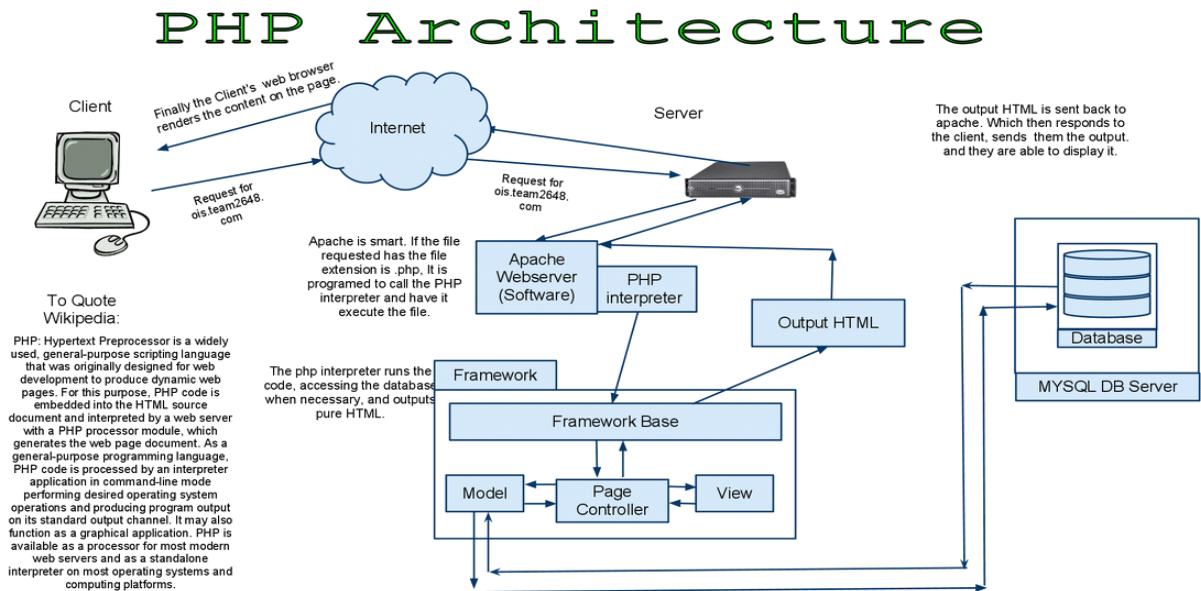


**ARCHITECTURE AND CONCEPTS**

The query cache plugin is implemented as a PHP extension. It is written in C and operates under the hood of PHP. During the startup of the PHP interpreter, it gets registered as a mysqlnd plugin to replace selected mysqlnd C methods. Hereby, it can change the behaviour of any PHP MySQL extension (mysqli, PDO_MYSQL, mysql) compiled to use the mysqlnd library without changing the extensions API. This makes the plugin compatible with each and every PHP MySQL application. Because existing APIs are not changed, it is almost transparent to use. Please, see the mysqlnd plugin API description for a discussion of the advantages of the plugin architecture and a comparison with proxy based solutions.

**BACK END**

In a previous blog, we talked about how web programmers are concerned with launching websites, updates, and maintenance, among other things. All of that works to support the front-end of the website. The back-end has three parts to it: server, application, and database. To better explain how all of this works, let's use the example of a customer trying to purchase a plane ticket using a website. Everything that the customer sees on the webpage is the front-end, as we have explained before, but once that customer enters all of his or her information, such as their name, billing address, destination, etc, the web application stores the information in a database that was created previously on the server in which the website is calling for information. The web application creates, deletes, changes, renames, etc items in the database. For example, when a customer purchases a ticket, that creates an item in the database, but when they have a change in their order or they wish to cancel, the item in the database is changed. .In short, when a customer wants to buy a ticket, the backend operation is the web application communicating with the server to make a change in a database stored on said server. Technologies like PHP, Ruby, Python, and others are the ones backend programmers use to make this communication work smoothly, allowing the customer to purchase his or her ticket with ease.

# CHAPTER 6

# WEBSITE FLOW
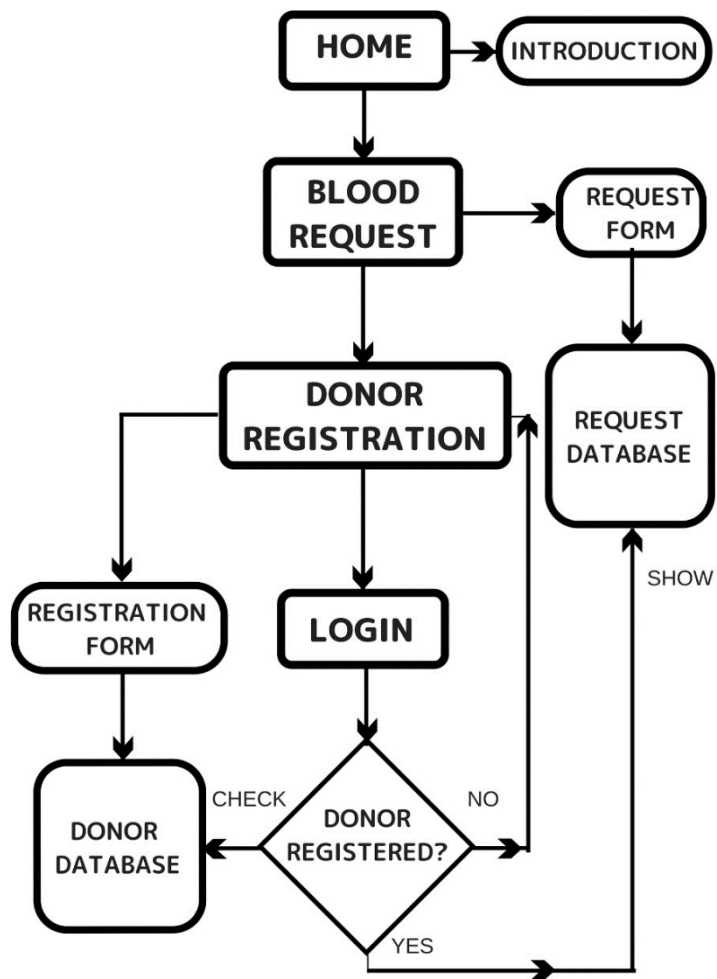
# CHAPTER 7

# CODE SNIPPETS

**INDEX.PHP**

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Blood Donation</title>
<link href="css/lightbox.css" rel="stylesheet" />
  <link href="StyleSheet.css" rel="stylesheet" type="text/css" />
  <link     href='http://fonts.googleapis.com/css?family=Source+Sans+Pro'
rel='stylesheet' type='text/css'>
<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
<!--slider-->
<link href="css/flexslider.css" rel="stylesheet" type="text/css" media="all" />
  <script src="js/jquery-1.11.0.min.js"></script>
    <script src="js/lightbox.min.js"></script>
<script src="js/jquery-1.7.1.min.js" type="text/javascript"></script>
<script src="js/jquery.flexslider.js" type="text/javascript"></script>
 <script type="text/javascript">
  $(function () {
    SyntaxHighlighter.all();
  });
  $(window).load(function () {
    $('.flexslider').flexslider({                    animation: "slide",
nimationLoop: false,         itemWidth: 210,          itemMargin: 5,
```

```
inItems: 2,                maxItems: 4,              start: function (slider) {
('body').removeClass('loading');         }         });    });  </script>
```

```
</head>
```

```
<body>
```

```
 <div class="h_bg">
```

```
<div class="wrap">
```

```
<div class="header">
```

```
        <div class="logo"><h1><ahref="index.php"><img
src="Images/logo1.png" alt=""></a></h1>
```

```
        </div>
```

```
    </div></div></div>
```

```
<div class="nav_bg">
```

```
<div class="wrap">
```

```
        <?php require('header.php');?>
```

```
    </div>       <div>
```

```
    <div class="h_btm_bg">
```

```
<div class="wrap">
```

```
<div class="h_btm">
```

```
    <div class="header-para">
```

```
        <img src="cpics/welcome03.png"/>
```

```
<p>Blood donation is one of the noblest and greatest donations a man can
make.
```

```
Blood is our life-sap. It has no substitute. Several lives are lost for want of
blood.
```

```
        Doctors need blood for transfusing it in the body of persons after
operation and similar situations when a lot of blood flows out of the person's
body.</p>
```

```
    </div>
```

```
    <div class="clear"></div>
```

```html
</div></div></div>
<div class="s_bg"><div class="wrap"><div class="main_cont">
 <section class="slider">
     <div class="flexslider carousel">
       <ul class="slides"><li>  <img src="Images/slider1.jpg" />  </li>
               <li>   <img src="Images/slider2.jpg" /></li>
               <li>   <img src="Images/slider3.jpg"/>li>
               <li>   <img src="Images/slider4.jpg" />      </li>
               <li>   <img src="Images/slider5.jpg" /></li>
               <li>   <img src="Images/slider6.jpg" /></li>
               <li><img src="Images/slider7.jpg" /></li>
               <li>   <img src="Images/slider8.jpg" /></li>
       </ul>      </div>     </section>
       <div class="ribben">
         <div class="l-triangle-top"></div>     <div         class="l-triangle-bottom"></div>
               <div class="rectangle"></div>            <div         class="r-triangle-top"></div>
         <div class="r-triangle-bottom"></div>        <div
class="clear"></div>
       </div>
<div class="main">      <div class="content">
                 <h4>Blood bank:</h4>
                 <p>We welcome you to in our WebSite. If you are a donor
, We appreciate you signing up online as a Donor.
                 If you need blood we are happy to serve you. This blood
donor list is hosted by us on behalf of Blood Donation Bank
as a public service without any profit motive.This is a free service. While the
Organisers have taken all steps to obtain accurate
and up-to-date information of potential blood donors,
```

the Organizers and ICM Computers do not guarantee accuracy of the information contained herein or the suitability of the persons

 listed as any liability for direct or consequential damage to any person using this blood donor list including

loss of life or damage due to infection of any nature arising out of blood transfusion from persons whose names have been listed in this website.

We request donors to update contact details regularly.</p>        </div>

        <div class="sidebar">

                <h2>Facts</h2><div class="blog_posts">

   <marquee direction="up" scrolldelay="100"><table >

<tr><td>

<div class="blog_desc"> <div  class="blog_heading">  <span  style="font-weight:bold"><b>Red Cross Society</b>

<p>The Indian Red Cross is a voluntary humanitarian organization having a network of over 700 branches throughout the country, providing relief in times of disasters/emergencies and promotes health & care of the vulnerable people and communities. </p></span>

        </div>        <br />

        <span style="font-weight:bold"><b>Rotary Blood Bank</b>

<p>Rotary Blood Bank is India's largest and most modern blood bank, located in the Tughlakabad Institutional Area, New Delhi, India. It was established in 2002 and is under the supervision of the Central Government</p></span>

  </div></td></tr>

</table></marquee>        <div class="clear"></div>                </div>

</div>        <div class="clear"></div>        </div>

</div></div></div>        </div>        <div class="clear"></div></body>

</html>

**REGISTRATION.PHP**

```
<html >

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Blood Donation</title><link href="css/lightbox.css" rel="stylesheet" />

  link href="StyleSheet.css" rel="stylesheet" type="text/css" />

  <link  href='http://fonts.googleapis.com/css?family=Source+Sans+Pro'  rel='stylesheet'
type='text/css'>

<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />

<!--slider--><link href="css/flexslider.css" rel="stylesheet" type="text/css" media="all" />

    <script src="js/jquery-1.11.0.min.js"></script>   <script
src="js/lightbox.min.js"></script>

<script src="js/jquery-1.7.1.min.js" type="text/javascript"></script>

<script src="js/jquery.flexslider.js" type="text/javascript"></script>

  <script type="text/javascript">

   $(function () {       SyntaxHighlighter.all();     });

   $(window).load(function () {

     $('.flexslider').flexslider({

       animation: "slide",           animationLoop: false,           itemWidth: 210,
itemMargin: 5,

         minItems: 2,        maxItems: 4,        start: function (slider) {

            $('body').removeClass('loading');
```

```
}        });    }); </script>
```

```html
</head>

<body>

<?php include('admin/function.php'); ?>

 <div class="h_bg">  <div class="wrap">   <div class="header">

            <div class="logo">    <h1><a                        href="index.php"><img
src="Images/logo1.png" alt=""></a></h1>

            </div> </div></div></div><div class="nav_bg"><div class="wrap">

<?php require('header.php');?>

     </div><div  style="height:530px;  width:700px;  margin:auto;  margin-top:10px;
margin-bottom:10px; background-color:#f8f1e4; border:2px solid red; box-shadow:4px
1px 20px black;">

   <form method="post" enctype="multipart/form-data">

<table cellpadding="0" cellspacing="0" style="margin:auto; width:100%; " >

   <tr><td colspan="2"  align="center"><img src="Images/donor01.png" width="450px"
height="80px"  /></td></tr>

<tr><td colspan="2"> </td></tr>

<tr><td  style=" padding-left:20px;" ><img src="Images/sidebanner.jpg" width="170px"
class="shaddoww"/>  </td>

            <td style="vertical-align:top;padding-top:20px;">

            <table cellpadding="0" cellspacing="0" style="width:100%; height:400px;">

<tr><td    class="lefttd">Donor    Name:</td><td><input    type="text"    name="name"
required="required"  pattern="[a-zA-Z _]{1,15}" title="please  enter  only  character
between 1 to 15 for donor name" /></td></tr>

<tr><td       class="lefttd">Gender</td><td><input       name="gender"       type="radio"
value="male"       checked="checked">Male<input       name="gender"       type="radio"
value="female" >Female</td></tr>
```

```html
<tr><td        class="lefttd">Age</td><td><input        type="number"        name="age"
required="required" pattern="[0-9]{2,2}" title="please enter only  numbers between 2 to 2
for age" /></td></tr>

<tr><td   class="lefttd">Mobile   No</td><td><input   type="number"   name="mobile"
required="required" pattern="[0-9]{10,11}" title="please enter only numbers between 10
to 11 for mobile no." /></td></tr>

<tr><td class="lefttd"> Blood Group </td><td><select name="blood" required><option
value="">Select</option><option    value="A+">A+</option><option    value="A-">A-
</option><option   value="B+">B+</option><option   value="B-">B-</option><option
value="O+">O+</option><option value="O-">O-</option></select></td></tr>

<tr><td        class="lefttd">E-Mail</td><td><input        type="email"        name="email"
required="required"    /></td></tr><tr><td        class="lefttd">Password</td><td><input
type="password"  name="password"  required="required"  pattern="[a-zA-Z0-9]{2,10}"
title="please enter only character or numbers between 2 to 10 for password" /></td></tr>

<tr><td        class="lefttd">Confirm        Password</td><td><input        type="password"
name="password"  required="required"  pattern="[a-zA-Z0-9 ]{2,10}"  title="please enter
only character or numbers between 2 to 10 for password" /></td></tr>

<tr><td class="lefttd">Upload Pic</td><td><input type="file" name="t8" /></td></tr>

<tr><td        colspan="5"        align="center"><input        type="submit"        name="submit"
value="submit"></td></tr>

</table></form>        </div>                <div class="clear"></div>
```

```php
<?php

$host='localhost';$user='root';$pass='';$db='blooddonation';$con=mysqli_connect($host,$
user,$pass,$db);if(isset($_POST['submit']))

{        $name=$_POST['name'];        $gender=$_POST['gender'];  $age=$_POST['age'];
        $mobile=$_POST['mobile'];  $blood=$_POST['blood'];
        $email=$_POST['email'];$password=$_POST['password'];
```

```php
$query="INSERT INTO donordb VALUES
('$name','$gender','$age','$mobile','$blood','$email','$password')";

if(!$con->query($query)){    echo "<br>USER Email ID already exists";}

else{   echo "done";}}?></body></html>
```

**REQUEST.PHP**

```html
<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Blood Donation</title>

<link href="css/lightbox.css" rel="stylesheet" />

  <link href="StyleSheet.css" rel="stylesheet" type="text/css" />

  <link  href='http://fonts.googleapis.com/css?family=Source+Sans+Pro'  rel='stylesheet'
type='text/css'>

<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />

<!--slider-->

<link href="css/flexslider.css" rel="stylesheet" type="text/css" media="all" />

   <script src="js/jquery-1.11.0.min.js"></script>

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

<script src="js/jquery-1.7.1.min.js" type="text/javascript"></script>

<script src="js/jquery.flexslider.js" type="text/javascript"></script>

  <script type="text/javascript">

   $(function () {       SyntaxHighlighter.all();     });

   $(window).load(function () {

     $('.flexslider').flexslider({

        animation: "slide",          animationLoop: false,          itemWidth: 210,
itemMargin: 5,          minItems: 2,          maxItems: 4,
```

```
        start: function (slider) {

            $('body').removeClass('loading');

        }

      });

    });

  </script>

</head>

<body>

<?php include('admin/function.php'); ?>

 <div class="h_bg">  <div class="wrap">    <div class="header">

            <div            class="logo"><h1><a            href="index.php"><img
src="Images/logo1.png" alt=""></a></h1>

            </div> </div></div></div>

<div class="nav_bg">

<div class="wrap">

            <?php require('header.php');?>

      </div>

<div   style="height:530px;   width:500px;   margin:auto;   margin-top:10px;   margin-
bottom:10px; background-color:#f8f1e4; border:2px solid red; box-shadow:4px 1px 20px
black;">

   <form  method="POST" enctype="multipart/form-data">

 <table     cellpadding="0"     cellspacing="0"     width="500px"     height="480px"
style="margin:auto" >

  <tr><td colspan="2" align="center"><img src="Images/brequest01.png" height="90px"
/></td></tr>

  <tr><td> </td><td> </td></tr>
```

```html
<tr><td class="lefttd" align="center"> Name:</td><td><input type="text" name="name" required="required" pattern="[a-zA-Z _]{1,15}" title="please enter only character between 1 to 15 for donor name" /></td></tr>

 <tr><td> </td></tr>

<tr><td class="lefttd" align="center">Gender</td><td><input name="gender" type="radio" value="male" checked="checked">Male<input name="r1" type="radio" value="female">Female</td></tr>

 <tr><td> </td></tr>

<tr><td class="lefttd" align="center">Age</td><td><input type="number" name="age" required="required" pattern="[0-9]{2,2}" title="please enter only  numbers between 2 to 2 for age" /></td></tr>

 <tr><td> </td></tr>

<tr><td class="lefttd" align="center">Mobile  No</td><td><input type="number" name="mobile"  required="required" pattern="[0-9]{10,12}" title="please enter only numbers between 10 to 12 for mobile no." /></td></tr>

 <tr><td> </td></tr>

<tr><td class="lefttd" align="center">Select  Blood  Group </td><td><select name="blood" required><option value="">Select</option>

<option value="A+">A+</option><option value="A-">A-</option>

<option value="B+">B+</option>

<option value="B-">B-</option>

<option value="O+">O+</option>

<option value="O-">O-</option>

</select></td></tr>

 <tr><td> </td></tr>

<tr><td class="lefttd" align="center">E-Mail</td><td><input type="email" name="email" required="required" /></td></tr>
```

```php
 <tr><td> </td></tr>

<tr>

<td colspan="5" align="center">

<input type="submit" name="submit" value="submit"></td>

</tr></form>      </div>          <div class="clear"></div>

<?php

$host='localhost';$user='root';$pass='';$db='blooddonation';$con=mysqli_connect($host,$user,$pass,$db);

if(isset($_POST['submit']))

{       $name=$_POST['name'];

        $gender=$_POST['gender'];

        $age=$_POST['age'];

        $mobile=$_POST['mobile'];

        $blood=$_POST['blood'];

        $email=$_POST['email'];

        $query="INSERT            INTO          requestdb          VALUES
('$name','$gender','$age','$mobile','$blood','$email')";

if(!$con->query($query))

{       echo $con->error;}

else {   echo"<br><br><center>Request Updated";}

}

?>

</body>

</html>
```

**LOGIN.PHP**

```php
<?php session_start();  ?>
```

```html
<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Blood Donation</title>

<link href="css/lightbox.css" rel="stylesheet" />

  <link href="StyleSheet.css" rel="stylesheet" type="text/css" />

  <link  href='http://fonts.googleapis.com/css?family=Source+Sans+Pro'  rel='stylesheet'
type='text/css'>

<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />

<!--slider-->

<link href="css/flexslider.css" rel="stylesheet" type="text/css" media="all" />

   <script src="js/jquery-1.11.0.min.js"></script>

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

<script src="js/jquery-1.7.1.min.js" type="text/javascript"></script>

<script src="js/jquery.flexslider.js" type="text/javascript"></script>

  <script type="text/javascript">

   $(function () {        SyntaxHighlighter.all();    });

   $(window).load(function () {
```

```
        $('.flexslider').flexslider({

            animation: "slide",          animationLoop: false,          itemWidth: 210,
temMargin: 5,          minItems: 2,          maxItems: 4,          start: function (slider) {
$('body').removeClass('loading');

            }       });    });
  </script>
```

</head>

<body>

<?php include('admin/function.php'); ?>

 <div class="h_bg"><div class="wrap"><div class="header">          <div
class="logo">          <h1><a  href="index.php"><img  src="Images/logo1.png"
alt=""></a></h1>          </div> </div></div></div><div       class="nav_bg"><div
class="wrap">

<?php require('header.php');?>

</div>  <div style="height:500px;">

   <form  method="post" enctype="multipart/form-data">

  <table       cellpadding="0"       cellspacing="0"       width="600px"       height="300px"
class="tableborder" style="margin:auto; margin-top:100px;" >

   <tr><td> </td><td> </td></tr>

   <tr><td  colspan="2"  align="center"><img  src="Images/login2.png"  width="300px"
height="70px"></td></tr>

   <tr><td colspan="2"> </td></tr>  <tr><td colspan="2"> </td></tr>

<tr><td  align="right"><img  src="Images/login1.png"  width="200px"  height="150px"
/></td>

<td style="vertical-align:top"><table cellpadding="0" cellspacing="0" height="200px">

<tr><td       class="lefttd">E-Mail</td><td><input       type="email"       name="email"
required="required"/></td></tr><tr><td          class="lefttd">Password</td><td><input

<div style="text-align:center">22</div>

type="password"name="password"  required="required"  pattern="[a-zA-Z0-9]{2,10}"
title="please enter only character or numbers between 2 to 10 for password"  /></td></tr>

<tr><td    colspan="5"    align="center"><input    type="submit"    name="submit"
value="submit"></td>

</tr><?php

$host='localhost';

$user='root';$pass='';$db='blooddonation';$con=mysqli_connect($host,$user,$pass,$db);

if (isset($_POST['email']) and isset($_POST['password'])){

//Assigning posted values to variables.

$email = $_POST['email'];$password = $_POST['password'];//Checking the values are
existing in the database or not

$query   =   "SELECT   *   FROM   donordb   WHERE   email='$email'   and
password='$password'";

$result = mysqli_query($con, $query) or die(mysqli_error($con));

$count = mysqli_num_rows($result);

//If the posted values are equal to the database values, then session will be created for the
user.

if ($count == 1){      echo "<script> window.location.assign('newlist.php'); </script>";

}else{//3.1.3 If the login credentials doesn't match, he will be shown with an error message.

$fmsg = "Invalid Login Credentials.";

}}

//if the user is logged in Greets the user with message

if   (isset($_SESSION['email'])){echo   "   <tr><td    style='font-size:14px'>Not   A
DONOR.?</td><td ><a  href='registration.php'  style='color:#C30'>Click  here</a>  to
REGISTER.</td></tr><tr><td> </td><td> </td></tr>";

}?>

</td></tr></table> </form></div>

</body>

</html>

**NEWLIST.PHP**

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Blood Donation</title><link href="css/lightbox.css" rel="stylesheet" />

  <link href="StyleSheet.css" rel="stylesheet" type="text/css" />

  <link href='http://fonts.googleapis.com/css?family=Source+Sans+Pro' rel='stylesheet' type='text/css'>

<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />

<!--slider--><link href="css/flexslider.css" rel="stylesheet" type="text/css" media="all" />

  <script src="js/jquery-1.11.0.min.js"></script>

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

<script src="js/jquery-1.7.1.min.js" type="text/javascript"></script>

<script src="js/jquery.flexslider.js" type="text/javascript"></script>

  <script type="text/javascript">

  $(function () {        SyntaxHighlighter.all();    });

  $(window).load(function () {

    $('.flexslider').flexslider({         animation: "slide",         animationLoop: false,

      itemWidth: 210,        itemMargin: 5,         minItems: 2,         maxItems: 4,

```
start: function (slider) {              $('body').removeClass('loading');          }
        });     });
  </script>
</head><body>
<?php include('admin/function.php'); ?>
 <div class="h_bg"><div class="wrap"><div class="header">              <div
class="logo"> <h1><a          href="index.php"><img          src="Images/logo1.png"
alt=""></a></h1>                </div> </div></div></div><div      class="nav_bg"><div
class="wrap"><?php require('header.php');?>          </div>
  <table  border= "10"  cellpadding="1" cellspacing="1" width="600px" height="300px"
style="margin:auto; margin-top:100px;" >
   <tr><td> </td><td> </td></tr <center>
        <tr><td colspan="10" align="center"><em> DataBase</em></td></tr>
<tr><td></td></tr>
<tr><th>Name</th><<th class="lefttd" >Gender</th><th class="lefttd" >Age</th><th
class="lefttd" >Mobile</th><th class="lefttd" >Blood  Group</th><th class="lefttd"
>Email</th>
</tr><?php   $host='localhost';    $user='root';    $pass='';    $db='blooddonation';
$con=mysqli_connect($host,$user,$pass,$db);
if(!$con)        echo "NOT Successfully <br>";
$sql="SELECT * FROM requestdb";
$rec=mysqli_query($con,$sql);
while($x=mysqli_fetch_array($rec))
{echo  "<tr>";echo  "<td  class='lefttd'  align='center'>".$x[0]."</td>";echo  "<td
class='lefttd>'        align='center'>".$x[1]."</td>";echo         "<td        class='lefttd>'
align='center'>".$x[2]."</td>";echo "<td class='lefttd>' align='center'>".$x[3]."</td>";
```

echo "<td class='lefttd' align='center'>".$x[4]."</td>";echo "<td class='lefttd' align='center'>".$x[5]."</td>";echo "</tr>";

}?></center></table>

<center>    Log Out<t><a href="login.php" style="color:#C30">   Click here   </a> </center></body></html>

**HEADER.PHP**

<ul class="nav">

                              <li class="active"><a href="index.php">Home</a></li>

                              <li><a href="donar.php">Details      </a></li>

                              <li><a href="requests.php">Send Request</a></li>

                              <li><a href="registration.php">Donor Registration</a></li>

    <!-- <li><a href="viewrequest.php">View Request</a></li> -->
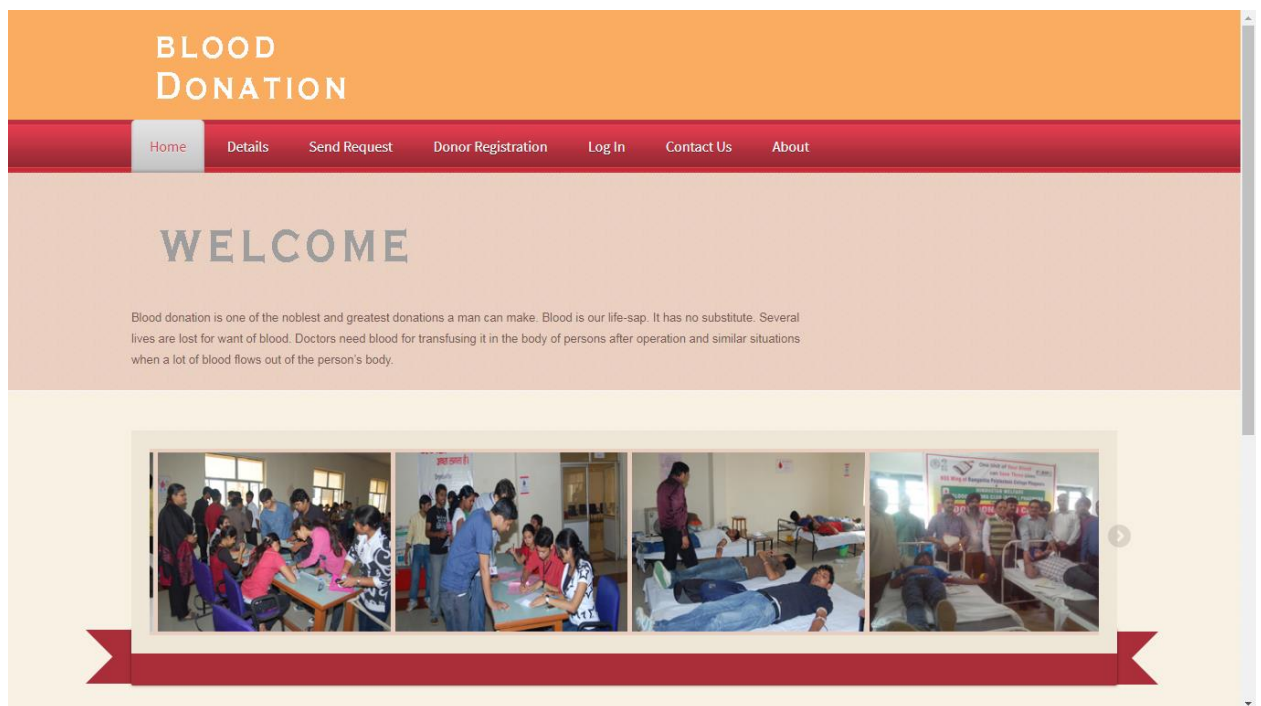
    <!-- <li><a href="camps.php">Camps</a></li> -->

    <li><a href="login.php">Log In</a></li>

    <!-- <li><a href="search.php">Search</a></li> -->

    <li><a href="contact.php">Contact Us</a></li>
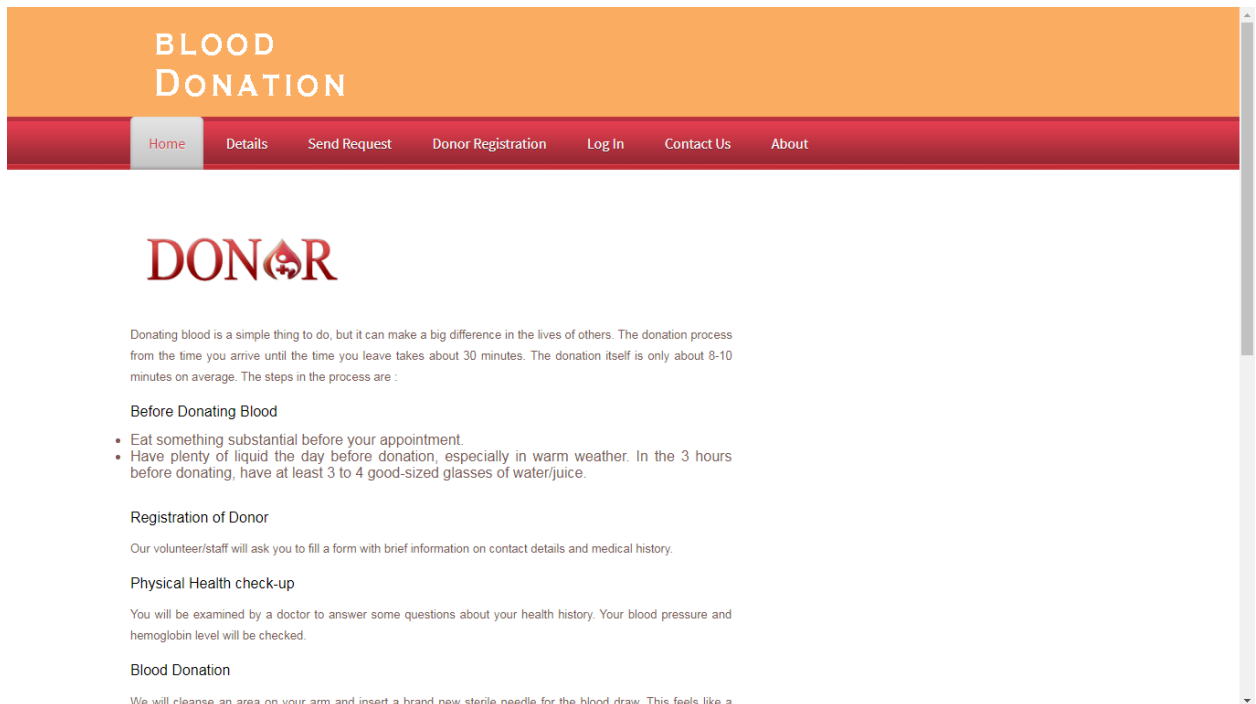
    <li><a href="aboutus.php">About</a></li>

  </ul>

# CHAPTER 8

# WEBPAGES



Fig 8.1 Home Page

Fig 8.2 Home Page Extended

## Blood Bank:

We welcome you to in our WebSite. If you are a donor , We appreciate you signing up online as a Donor. If you need blood we are happy to serve you. This blood donor list is hosted by us on behalf of Blood Donation Bank as a public service without any profit motive.This is a free service. While the Organisers have taken all steps to obtain accurate and up-to-date information of potential blood donors, the Organizers and ICM Computers do not guarantee accuracy of the information contained herein or the suitability of the persons listed as any liability for direct or consequential damage to any person using this blood donor list including loss of life or damage due to infection of any nature arising out of blood transfusion from persons whose names have been listed in this website. We request donors to update contact details regularly.

## Facts

**Red Cross Society**
The Indian Red Cross is a voluntary humanitarian organization having a network of over 700 branches throughout the country, providing relief in times of disasters/emergencies and promotes health & care of the vulnerable people and communities.



Fig 8.3 Donor Information Page

Home   Details   Send Request   Donor Registration   Log In   Contact Us   About

Donating blood is a simple thing to do, but it can make a big difference in the lives of others. The donation process from the time you arrive until the time you leave takes about 30 minutes. The donation itself is only about 8-10 minutes on average. The steps in the process are :

**Before Donating Blood**

- Eat something substantial before your appointment.
- Have plenty of liquid the day before donation, especially in warm weather. In the 3 hours before donating, have at least 3 to 4 good-sized glasses of water/juice.

**Registration of Donor**

Our volunteer/staff will ask you to fill a form with brief information on contact details and medical history.

**Physical Health check-up**

You will be examined by a doctor to answer some questions about your health history. Your blood pressure and hemoglobin level will be checked.

**Blood Donation**

We will cleanse an area on your arm and insert a brand new sterile needle for the blood draw. This feels like a

quick pinch and is over in seconds.

- The actual donation takes about 8-10 minutes, during which you will be seated comfortably.
- When a unit of blood (350 – 450 ml) has been collected, the donation is complete.
- A staff person will place a bandage on your arm

Safety

All equipment is sterile; needles are used only once and then discarded. In the great majority of individuals, a donation of 450 ml is less than 10% of your total body volume and may be given safely every 3 months. Your body keeps on discarding and replenishing blood all the time whether you give blood or not, so this amount is quickly replenished.

## AFTER DONATION

Relax & Refresh

You can have something to eat and drink in and relax for about 15-20 minutes before departing. Within 24-48 hours your blood volume is completely restored. Apart from enjoying our refreshments and souvenir, other things to help you recover quickly include

- Drink plenty of water, fruit juice etc. and avoid alcohol for 8 hours after you've given blood.
- Avoid any strenuous activity or heavy lifting with the 'donating arm' for 24 hours after you've given blood.
- If you become unwell in any way after giving blood, speak to the doctor in-charge straight away.

Donate Blood Again

- Whole blood donors can give blood again after 3 months.
- Apheresis plasma or platelet donors can give blood in around 2-3 weeks time.

Spread the word

Tell your friends, colleagues and family about the wonderful feeling you experience on donating blood and saving lives.
Enjoy the feeling of knowing that you helped save precious lives!

Fig 8.4 Donor Information Page Extended

**BLOOD DONATION**

Home    Details    Send Request    Donor Registration    Log In    Contact Us    About

**REQUEST FOR B L O O D**

Name:

Gender          ● Male  ○ Female

Age

Mobile No

Select Blood Group    Select ▾

E-Mail

submit

Fig 8.5 Blood Request Form Page

Fig 8.6 Donor Registration Page



Fig 8.7 Donor Login Page

Home    Details    Send Request    Donor Registration    Log In    Contact Us    About

<

DataBase

| Name | Gender | Age | Mobile | Blood Group | Email |
|------|--------|-----|--------|-------------|-------|
| qweew | male | 12 | 542331 | O+ | qweee@gm.com |
| fffff | male | 56 | 777777 | A+ | ttt@gm.com |
| Ravi | male | 19 | 98662722 | A- | ravi@gm.com |
| Smith | male | 31 | 98976562 | O- | smith@gail.com |
| Smith | male | 31 | 98976562 | O- | smith@gail.com |

Log Out Click here

Fig 8.8 Blood Request List Page

Home    Details    Send Request    Donor Registration    Log In    Contact Us    About

Contact Us

. Name:

. E-Mail

. Mobile No

. Subject

Send Us

Fig 8.9 Contact Us Page
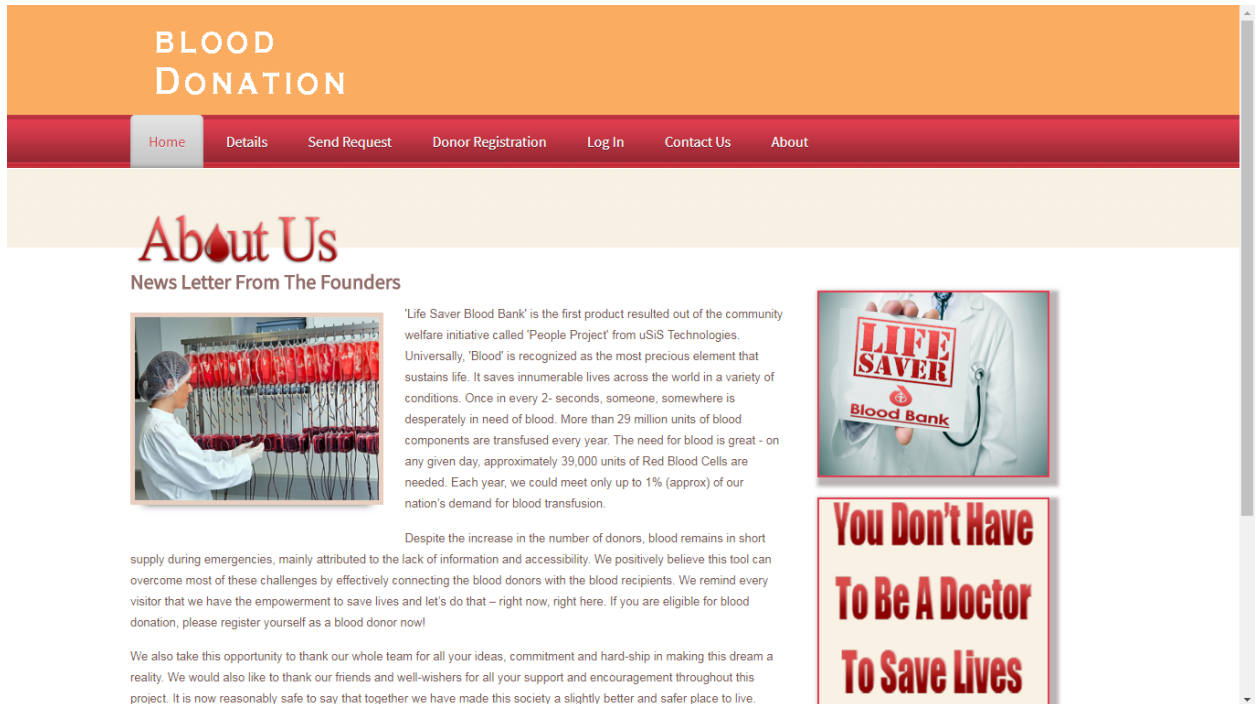
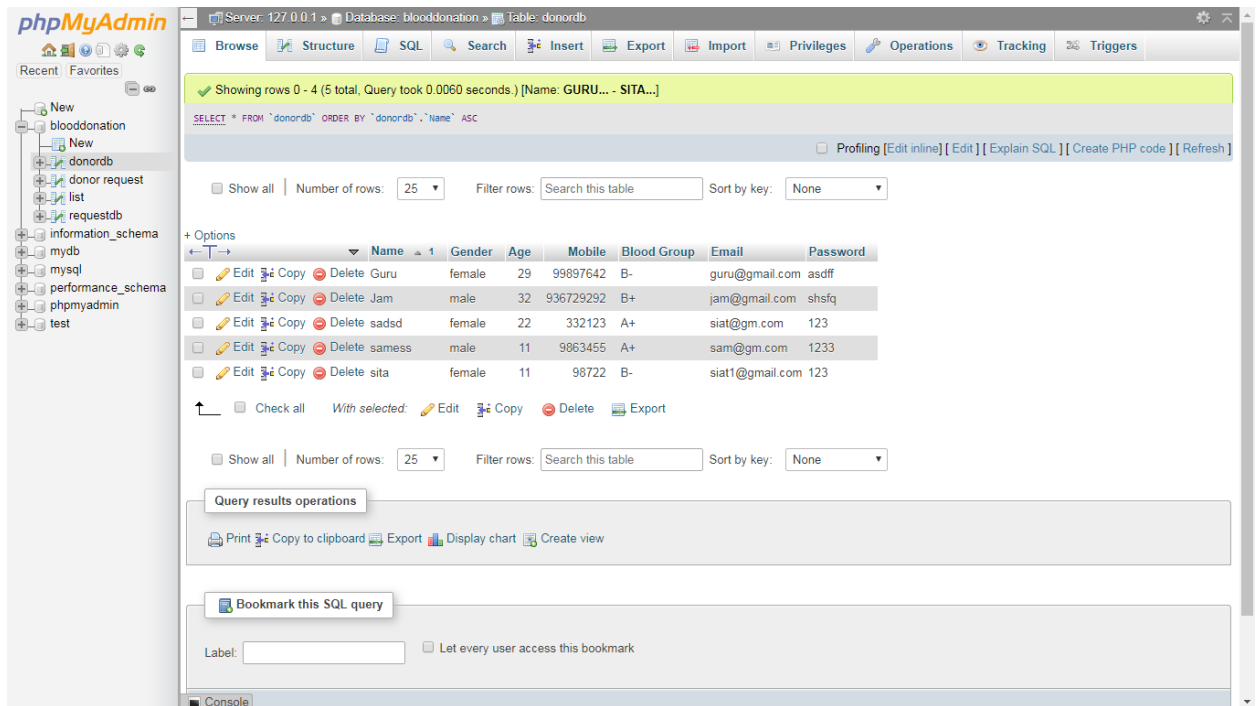Fig 8.10 About Us Page

# CHAPTER 9

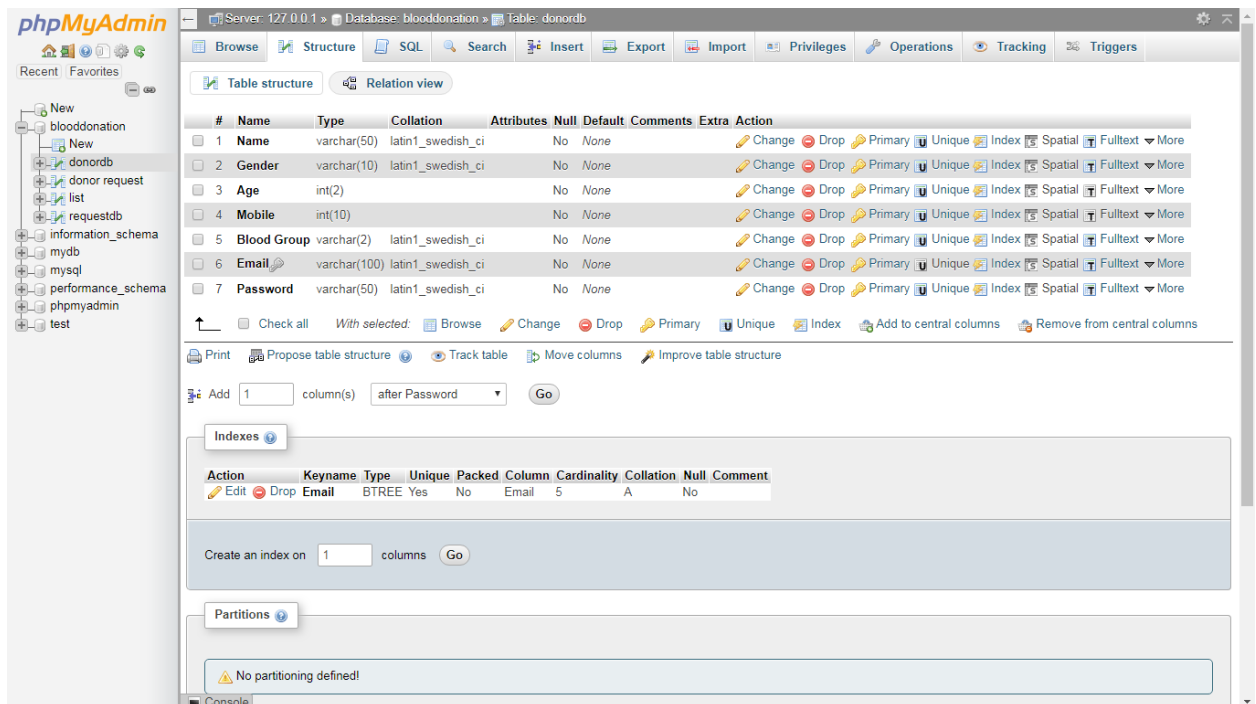# DATABASE

Fig 9.1 Donor Database Content
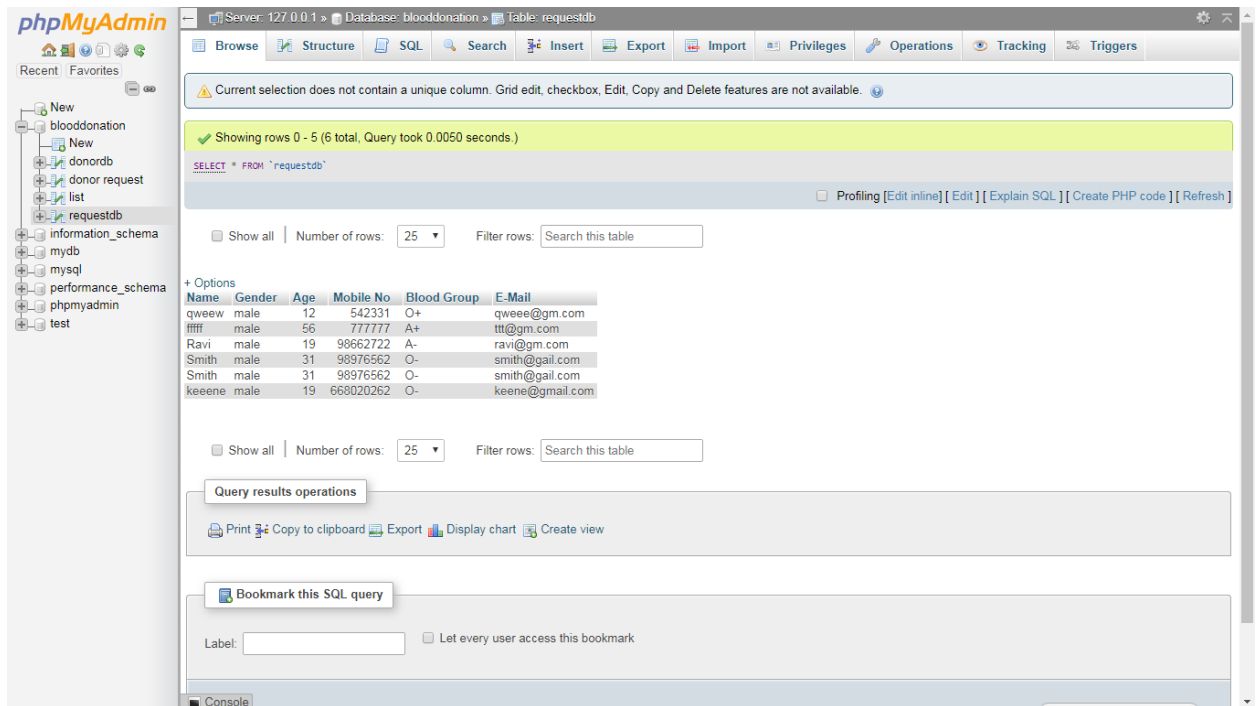


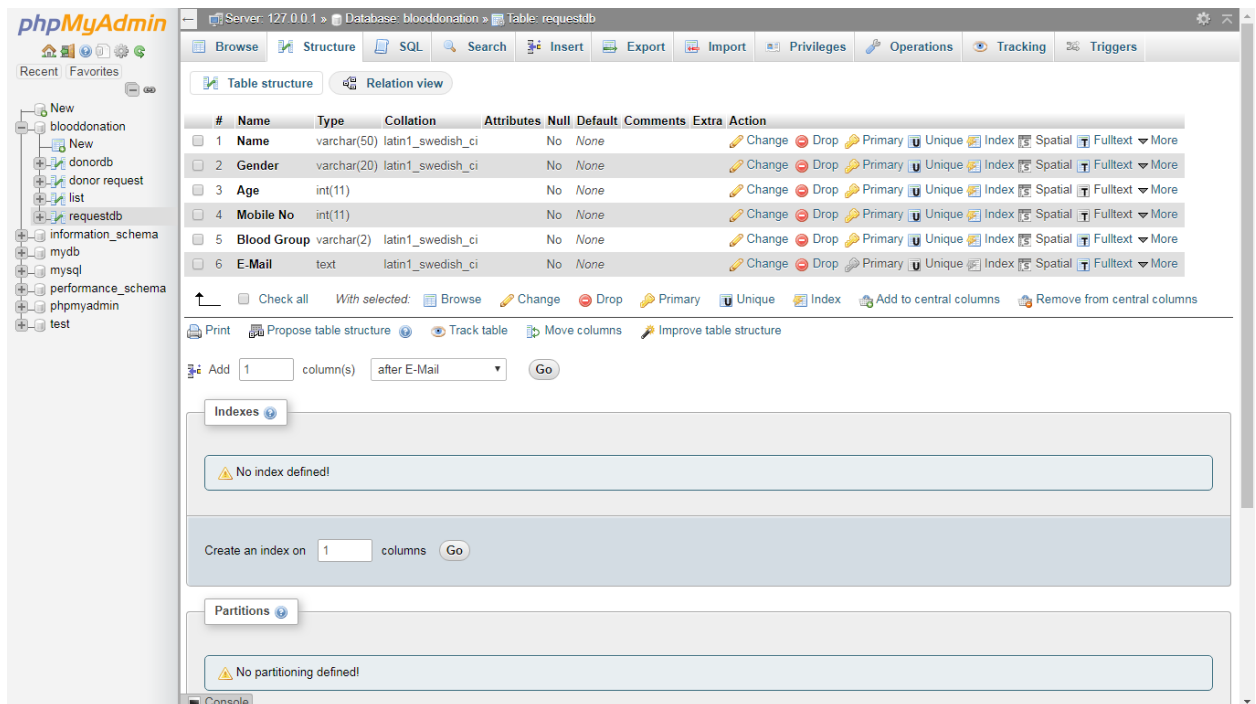Fig 9.2 Donor Database Constrains

Fig 9.3 Blood Request Database



Fig 9.4 Blood Request Database Constrains

# CHAPTER 10

# CONCLUSION

With the theoretical inclination of our syllabus it becomes very essential to take the atmost advantage of any opportunity of gaining practical experience that comes along. The building blocks of this Major Project "Blood Donation" 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:

a)      The planning that goes into implementing a project.
b)      The importance of proper planning and an organized methodology.
c)      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

# CHAPTER 11

# FUTURE EXPANSION WORK

Blood Donation is a software application to built such a way that it should suits for all type of blood banks in future. One important future scope is 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 use. This time donor request does not reach in proper time, this can be avoid through adding some message sending procedure this will help to find proper blood donor in time. This will provide availability of blood in time.