Project Report

On

BLOOD DONOR MANAGEMENT SYSTEM

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BLOOD DONOR MANAGEMENT SYSTEM

The main aim of developing this system is to provide blood to the people who are in need of blood. The number 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 Online Blood Donor 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 donor user can request the donor to donate the blood to him and save someone life. Using this blood donor 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.

This blood donor management system is an online website so it is easily available to everyone. When a person want to donate blood he have to register to the system. Donor registration is very easy, to get register to the system he have to fill up registration form. After submitting the registration form he can create username and password. Donor have to give information like blood group, contact details etc. donor can also change his account information when he wants using his username and password.

Using this blood donor system people can search blood group available which they are needed. They check it online using our blood donor management website. If in case blood group is not available in blood donor they can also get contact numbers of the persons who has the same blood group he is need. And he can request the person to donate the blood for saving someone life. Our system also allow user to search online the person who have the same blood group he needs and if he find the If he find a donor in his city then we give him all details of the donor, if he doesn't find any donor then he is given the contact numbers and addresses of the Life Saving Contact Persons for big cities.

Proposed system

The proposed Blood Donor management 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.

The advantages of the 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 his relative or friend life. Our website work 24x7 so user can get information of blood donor any time. Blood donor can also get registered and save life of other person. The main benefit of this system is the information of available blood group. When blood is need in the operation then people have very less time to get the blood available so if he get the information like who can give him blood in time in his city is life saving. And here our system work, whenever a person need blood he get information of the person who has the same blood group he needs.

Modules of blood donor management system

Online Blood Bank management system is to provide services for the people who are in need of blood by getting help from the donors who are interested in donating blood for the people. There are seven main modules in this system.

Admin

Donors

Donor Registration

Modifying Donor Information

Blood Requested

Donor Search

Contacts Us

Admin:

Admin can manage both donors & acceptors. He can add or remove any user from the system. Each member in a donor & acceptor is given a user id and password, which identifies him uniquely. From admin module use can change donor details, delete donor or change the password.

· Change Password

· Modify donor details

· delete donor details

· Logout

Whenever a user wants to change his / her password he can select the change password option. The system displays the form, which asks him for his old password and new password. The system then compares the old password with the existing password in the database and if they match then the password is set to the new password in the database.

Donors:

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 and can also refer his friend to become a donor. Donor can also get information like when he donated blood or when he will be able to donate blood.

Donor Registration:

In this module, people who are interested in donating blood get registered in my site and give his overall details related to him, i.e. he fills in a registration form by giving the total details such as name, address, city, sex, wt, dob, blood group, telephone numbers, e-mail address, etc. He was also given two fields' username and password to fill such that he was a registered donor and he can enter the login form with his username and password and can modify his details if needed.

Modifying Donor Information:

The registered donor only is able to modify his details; no other person can modify his details as there was a login form which restricts others from entering the username and password providing high security for the details given by the donor. If at all the donor wants to modify his details, he was forced to give his username and password to enter in. After giving the username and password it checks for the donor whether he is an existing donor or not and if the username and password matches, he can then able to modify his total details. If the username and password do not exist then he gets a message as 'Wrong ID and Password Entered, Try Again'.

Following links are available on donor and acceptor module.

· Why donate blood

· Who needs blood

· Find A Donor.

· Refer A Friend.

· Change password.

· Logout

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 with in the same city. They can directly click on the link search a donor and can select a city name as well as the blood group which he needs. He then gets the details of the donors who exist with in the city and the same blood group that he has selected. If no match was are found for the city and group selected by him he gets a message 'SORRY DONORS ARE NOT AVAILABE WITH THE FOLLOWING BLOOD GROUP AND AREA'.

Blood Requested

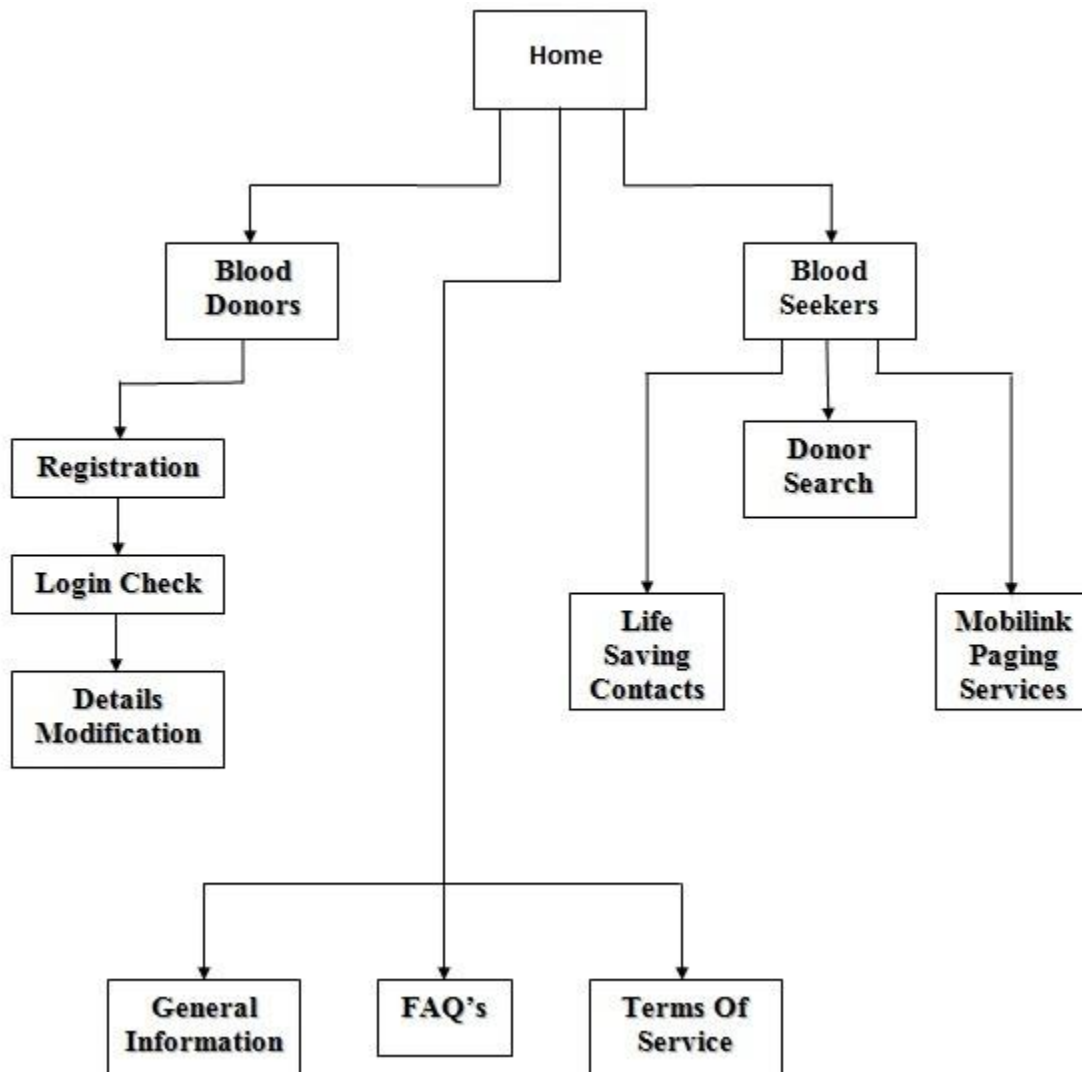Someone need blood when he/she post our website. Donors are cheek our website post then donor blood give this person. It's very important part of ur page.

Software Configuration

Operating System   :   Windows 8.1

Web Browser   :   Chrome, Mozilla Firefox

Designing Tool   :   Notepad++, HTML,Xampp
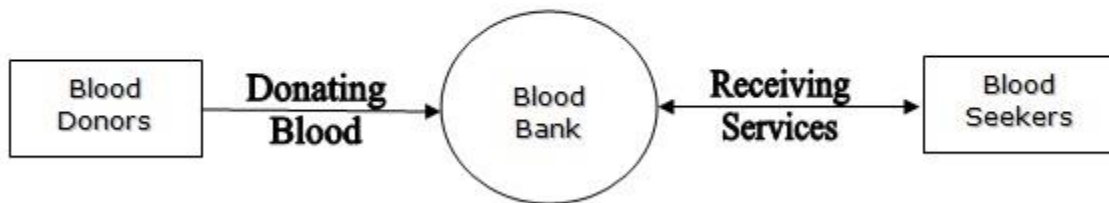
Client Side Scripting   :   CSS,HTML,PHP

System - Flow Diagram

```
                              ┌──────────┐
                              │   Home   │
                              └────┬─────┘
          ┌────────────────────────┼────────────────────────┐
          │                        │                         │
    ┌──────────┐                   │                   ┌──────────┐
    │  Blood   │                   │                   │  Blood   │
    │  Donors  │                   │                   │ Seekers  │
    └────┬─────┘                   │            ┌──────┴──────┬───────────┐
         │                         │            │             │           │
  ┌──────────────┐                 │            │      ┌──────────┐       │
  │ Registration │                 │            │      │  Donor   │       │
  └──────┬───────┘                 │            │      │  Search  │       │
         │                         │            │      └──────────┘       │
  ┌──────────────┐                 │      ┌──────────┐            ┌──────────┐
  │ Login Check  │                 │      │   Life   │            │ Mobilink │
  └──────┬───────┘                 │      │  Saving  │            │  Paging  │
         │                         │      │ Contacts │            │ Services │
  ┌──────────────┐                 │      └──────────┘            └──────────┘
  │   Details    │                 │
  │ Modification │                 │
  └──────────────┘                 │
                                   │
          ┌────────────────────────┼────────────────────────┐
          │                        │                         │
    ┌──────────┐             ┌──────────┐             ┌──────────┐
    │ General  │             │  FAQ's   │             │ Terms Of │
    │Information│            └──────────┘             │ Service  │
    └──────────┘                                      └──────────┘
```

Data - Flow Diagrams Blood donor management system

Context Level - DFD:

| Blood Donors | → **Donating Blood** → | Blood Bank | ← **Receiving Services** → | Blood Seekers |

HOME PAGE

BLOOD REQUEST PAGE

NAME:

MESSAGE:

post

All comments:

Jakir
Need blood A+ Date:20/09/2017 Address:Puran Dhaka Mobile:01521431916
Shanto
Need blood Blood Group:B+ Date:07/10/2017 Mobile:01787352332 Address:Dhaka Place:Dhaka Medical
Himel
Blood group:A- Mobile:017872352325

SEARCH BLOOD PAGE

Search Blood

Filter

Id	First Name	Last Name	Email	Mobile	Address	Gender	Age	Blood Group	Education	Image
10	Rafiqul	Islam	roficse15@gmail.com	01521431918	Dhaka	male	21	A+	b.tech	
11	Shepon	Das	das@gmail.com	0176983465	Dhaka	male	21	B+	b.tech	
12	Simanto	sahiar	simanto@gmail.com	0158732656	Commila	male	21	A-	b.tech	
14	Jahid	Hasan	Jahid@gmail.com	0163487654	Dhaka	male	21	O+	b.tech	

REGISTRATION PAGE

Donor Registration form

USER NAME: [first Name] [Last Name]

PASSWORD: [Enter Password]

Email: [Email]

Mobile: [Mobile No]

ADDRESS: [Enter address]

Gender: ○ Male ○ Female

Age: [enter age]

BLOOD GROUP: [select any option ▾]

Education: ☐ Diploma ☐ B.tech ☐ MBA

File upload: [Browse...] No fil

[insert]

ALL DONOR PROFILE PAGE

Id	First Name	Last Name	Email	Mobile	Address	Gender	Age	Blood Group	Education	Image
10	Rafiqul	Islam	roficse15@gmail.com	01521431918	Dhaka	male	21	A+	b.tech	
11	Shepon	Das	das@gmail.com	0176983465	Dhaka	male	21	B+	b.tech	
12	Simanto	sahiar	simanto@gmail.com	0158732656	Commila	male	21	A-	b.tech	
14	Jahid	Hasan	Jahid@gmail.com	0163487654	Dhaka	male	21	O+	b.tech	

LOGIN PAGE

Enter Username : Rafiqul

Enter Password : •••

Login

SOME IMPOTAN SORCE CODE

HOME

```html
<!DOCTYPE HTML>

<html>

<head lang="en-US">

  <meta charset="utf-8">
  <title>HOME</title>

  <link rel="stylesheet" href="css/blood.css" type="text/css" />    <!--css link set up-->

  <!--<link href="https://fonts.googleapis.com/css?family=Plaster" rel="stylesheet">-->
  <link href="https://fonts.googleapis.com/css?family=Luckiest+Guy" rel="stylesheet">

</head>

<body>

<div class="container dark">

        <div class="wraper" id="top_div">
```

```html
<div id="top_left">

            Email:shepondas@gmail.com

</div>


 <div id="top_right">

 mobile number:0165237215

</div>

  <div id="clear">

</div>

</div>

</div>




<div class="container light">


  <div class="wraper2">


      <div id="logo_left">

       <img src="image/head.JPG" height="250" width="900"/>

      </div>


      <div id="logo_right">

       <form>

                <input id="text_style" type="text" name="textbox"/>
```

```html
                    <input id="button" type="button" value="search">
<br><br><br><br><br><br><br><br>


                    <a href="index.php">

                    <input id="button" type="button" value="SIGN IN" >

                    </a>



            </form>

        </div>

    <div id="clear">

    </div>



    </div>



</div>













<div class="container pblue">

    <div class="wraper">



<div id="menu">
```

```html
<ul>

        <li><a href="#"> HOME </a></li>
            <li><a href="#"> All Doner List </a></li>
        <li><a href="#"> By Group </a><span class="darrow">&#9660;</span>

                    <ul>
                <li><a href="#">A negative(-)</a></li>
                <li><a href="#">A positive(+)</a></li>
                <li><a href="#">AB negative(-)</a></li>
                <li><a href="#">AB positive(+)</a></li>
                <li><a href="#">B negative(-)</a></li>
                <li><a href="#">B positive(+)</a></li>
                <li><a href="#">O negative(-)</a></li>
                <li><a href="#">O positive(+)</a></li>
                    </ul>
        </li>

        <li><a href="#"> Volunteer </a></li>
        <li><a href="#"> For Hospital </a></li>
        <li><a href="#"> About Blood </a></li>

    </ul>

</div>
```

```html
<marquee class="container light"><h4>WELLCOME TO Blood Donor
Community,Bangladesh</h4></marquee>



        <br>



    <div id="outerbox">
            <div id="sliderbox">
                    <img src="image/slide1.JPG"/>
                    <img src="image/slide2.JPG"/>
                    <img src="image/slide3.JPG"/>
                    <img src="image/slide4.JPG"/>
            </div>
            </div>


</div>
</div>






    <div class="container">
```

```html
<div class="wraper2">

        <div id="div_text">

            <aside id="aside">
        <h2><a href="#">SEARCH HERE FOR BLOOD</a></h2>


                <div id="outerbox2">
        <img src="image/search1.PNG" height="300" width="300"/>


            <div id="matter">


                <div id="text">


                    <a href="search.php">please click here</a>


                </div>



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


        </div>
```

```html
<div id=div_text>

<aside id="aside">
<h2><a href="#">BE A DONOR</a></h2>

<div id="outerbox2">
<img src="image/donor.JPG" height="300" width="300"/>

<div id="matter2">

<div id="text2">

<a href="registar.php">please click here</a>

</div>

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

</div>
```

```html
<div id=div_text>



        <aside id="aside">

    <h2><a href="#">REQUEST FOR BLOOD</a></h2>



                    <div id="outerbox3">

        <img src="image/rest.JPG" height="300" width="300"/>



            <div id="matter3">



                    <div id="text3">



                        inform us



                    </div>



            </div>
        </div>

                    </aside>


                </div>
```

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


<br>
<br>













<div class="container light">
  <div class="wraper">
        <h3>information about us</h3>


        <div id="bottom_div_left">


                <p><img src="image/rofi1.JPG" align="left"/>
                  name:Rafiqul islam rofi<br>
                        id:15101059<br>
                        dept:cse
                </p>
        </div>



                <div id="bottom_div_center">
```

```html
<p><img src="image/hitu4.JPG" align="center"/>
  name:shepon das<br>
     id:15101075<br>
     dept:cse
</p>
</div>


<div id="bottom_div_right">
  <p><img src="image/simanto.JPG" align="left"/>
  name:shimanto<br>
  id:15101064<br>
  dept:cse

  </p>
</div>

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

```html
<div class="container dark">

    <div class="wraper">

            <div>

                <footer id="footer">


        <a href="http://www.blooddonationcampbd.com">Contact Us</a>

        &copy; copyright 2017; Blood Donation Camp, Bangladesh

        </footer>




            </div>


        </div>


    </div>







</body>


</html>
```

LOGIN

```php
<?php
$fname=$_POST['fname'];//username

$pass=$_POST['pass'];//password

session_start();


$con=mysqli_connect("localhost","root","","info");//mysqli("localhost","username of
database","password of database","database name")

$result=mysqli_query($con,"SELECT * FROM `user` WHERE `fname`='$fname' &&
`pass`='$pass'");

$count=mysqli_num_rows($result);

if($count==1)

{

        echo "Login success";

        $_SESSION['log']=1;

        header("refresh:2;url=welcome.php");


}

else

{

        echo "please fill proper details";

        header("refresh:2;url=index.php");// it takes 2 sec to go index page

}



?>
```

REGIDTRATION

```php
<?php
$link=mysqli_connect("localhost","root","");
$connection=mysqli_select_db($link,"info");



if(isset($_REQUEST["submit"]))
{

        $fname=$_REQUEST["fname"];
        $lname=$_REQUEST["lname"];

        $pass=$_REQUEST["pass"];
        $email=$_REQUEST["email"];
        $mob=$_REQUEST["mobile"];

  $add=$_REQUEST["address"];
        $gender=$_REQUEST["gender"];
        $age=$_REQUEST["age"];

        $group=$_REQUEST["group"];
  $education=$_REQUEST["education"];
        $b=implode(",",$education);
        $file=$_FILES["file"]["name"];
        $tmp_name=$_FILES["file"]["tmp_name"];
```

```php
        $path="image/".$file;

        move_uploaded_file($tmp_name,$path);



mysqli_query($link,"insert into
user(fname,lname,pass,email,mobile,address,gender,age,bgroup,education,file)values('$fname'
,'$lname','$pass','$email','$mob','$add','$gender','$age','$group','$b','$file')");



}



?>
```

```html
<html>

<head>

<title>REGISTRATION FORM</title>

 <link rel="stylesheet" href="css/registration.css" type="text/css" />    <!--css link set up-->

</head>



<body>



 <div id="nav">

 Donor Registration form



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

USER NAME:<input type="text" placeholder="first Name" name="fname">

<input type="text" placeholder="Last Name" name="lname">

PASSWORD:<input type="password" placeholder="Enter Password" name="pass">

Email:<input type="text" placeholder="Email" name="email">

Mobile:<input type="text" placeholder="Mobile No" name="mobile">

ADDRESS:<textarea name="address" placeholder="Enter address"></textarea>

Gender:<input type="radio" name="gender" value="male">Male<input type="radio" name="gender" value="female">Female

Age:<input type="text" placeholder="enter age" name="age">

BLOOD GROUP:
<select name="group">
<option value="">select any option</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>

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

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

</select>

<br><br>


Education:

<input type="checkbox" name="education[]" value="diploma">Diploma

<input type="checkbox" name="education[]" value="b.tech">B.tech

<input type="checkbox" name="education[]" value="mba">MBA

        <br><br>


        File upload:

<input type="file" name="file">

        <br><br>




<br><br>


  <input type="submit" value="insert" name="submit">




  </form>


</body>

</html>
```

SEARCH

```php
<?php

if(isset($_POST['search']))
{
    $valueToSearch = $_POST['valueToSearch'];
    // search in all table columns
    // using concat mysql function
    $query = "SELECT * FROM `user` WHERE CONCAT(`bgroup`) LIKE '%".$valueToSearch."%'";
    $search_result = filterTable($query);

}
 else {
    $query = "SELECT * FROM `user`";
    $search_result = filterTable($query);
}

// function to connect and execute the query
function filterTable($query)
{
    $connect = mysqli_connect("localhost", "root", "", "info");
    $filter_Result = mysqli_query($connect, $query);
    return $filter_Result;
}
```

```
?>


<!DOCTYPE html>
<html>
  <head>
    <title>PHP HTML TABLE DATA SEARCH</title>
    <style>
      table,tr,th,td
      {
        border: 1px solid black;
      }
    </style>
  </head>
  <body>

    <form action="search.php" method="post">
      <input type="text" name="valueToSearch" placeholder="Search Blood"><br><br>
      <input type="submit" name="search" value="Filter"><br><br>

      <table>
        <tr>
          <th>Id</th>
          <th>First Name</th>
          <th>Last Name</th>
          <th>Email</th>
          <th>Mobile</th>
          <th>Address</th>
```

```php
        <th>Gender</th>

        <th>Age</th>

        <th>Blood Group</th>

        <th>Education</th>

        <th>Image</th>

     </tr>


   <!-- populate table from mysql database -->

       <?php while($row = mysqli_fetch_array($search_result)):?>

       <tr>

         <td><?php echo $row['id'];?></td>

         <td><?php echo $row['fname'];?></td>

         <td><?php echo $row['lname'];?></td>

         <td><?php echo $row['email'];?></td>

         <td><?php echo $row['mobile'];?></td>

         <td><?php echo $row['address'];?></td>

         <td><?php echo $row['gender'];?></td>

         <td><?php echo $row['age'];?></td>

         <td><?php echo $row['bgroup'];?></td>

         <td><?php echo $row['education'];?></td>




                             <td><img src="image/<?php echo $row["file"] ?>"
height="30px" weight="30px" style="border-radius:30px;"</td>



       </tr>
       <?php endwhile;?>
```

```html
        </table>
    </form>


  </body>
</html>
```