

MES COLLEGE OF ENGINEERING, KUTTIPPURAM
DEPARTMENT OF COMPUTER SCIENCE

CSL 333
DATABASE MANAGEMENT SYSTEMS LAB

PROJECT
BLOOD BANK MANAGEMENT SYSTEM

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INTRODUCTION

A Blood Bank Management is a system that is designed to store, process, retrieve and analyse information concerned with the administrative and inventory management within a blood bank. Project blood bank Management System provides all necessary functions like User authentication, Dashboard, list donor details, delete donor details, list patient details, delete patient details

The Primary goal of a Blood Bank Management System is to improve the efficiency and effectiveness of a blood donation, so that the blood donation can be easily managed.

Features:

- User Authentication
- Dashboard
- List donor details
- Delete donor details
- List patient details
- Delete patient details
- Adding Students
- Logs

Technical Details:

- MySQL Database Server
- PHP for Server-side rendering
- HTML and CSS
- Apache Server

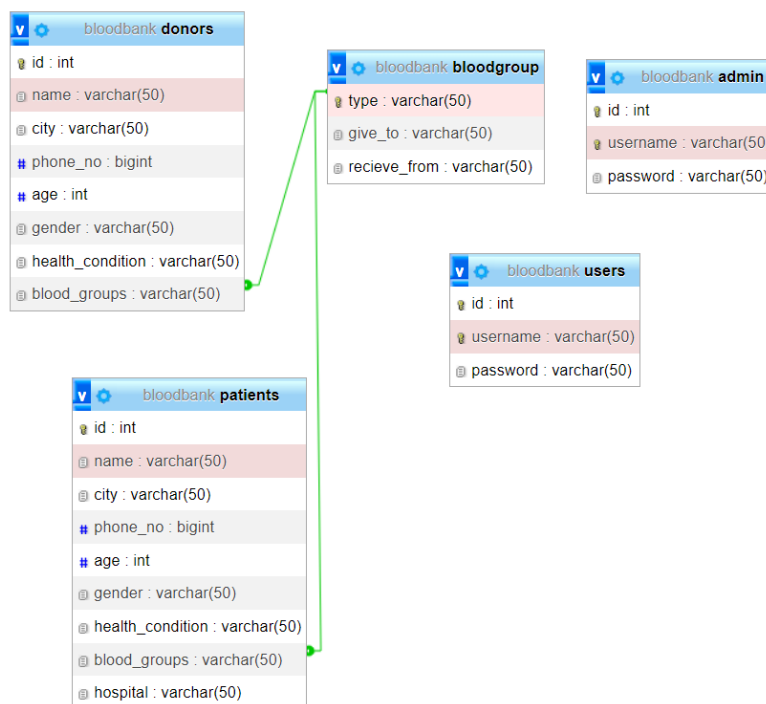
IMPLEMENTATION

DATABASE CREATION:

To create a database and tables in MySQL, you can follow these steps:

- Connect to the MySQL server using the MySQL client. You will need to enter your MySQL username and password to log in.
- Use the “CREATE DATABASE” command to create a new database •
Use the “USE” command to select the database you just created.
- Use the “CREATE TABLE” command to create a new table in the selected database. You will need to specify the name of the table and the names and data types of the columns in the table.

The database design for this project is as follows:



Database Architecture

The above result when converted to SQL it is equivalent to:

```
-- Table structure for table `admin`
DROP TABLE IF EXISTS `admin`;
CREATE TABLE IF NOT EXISTS `admin` (
  `id` int NOT NULL AUTO_INCREMENT,
  `username` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci NOT NULL,
  `password` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,
  PRIMARY KEY (`id`),
  UNIQUE KEY `username` (`username`)
) ENGINE=MyISAM AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
--
-- Dumping data for table `admin`
--
```

```
INSERT INTO `admin` (`id`, `username`, `password`) VALUES
(1, 'sss', '123');
```

```
-- -----
```

```
--
-- Table structure for table `bloodgroup`
--
```

```
DROP TABLE IF EXISTS `bloodgroup`;
CREATE TABLE IF NOT EXISTS `bloodgroup` (
  `type` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci NOT NULL,
  `give_to` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci NOT NULL,
  `recieve_from` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci NOT NULL,
  PRIMARY KEY (`type`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
-- -----
```

```
--
-- Table structure for table `donors`
--
```

```
DROP TABLE IF EXISTS `donors`;
CREATE TABLE IF NOT EXISTS `donors` (
  `id` int NOT NULL AUTO_INCREMENT,
  `name` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,
  `city` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,
  `phone_no` bigint DEFAULT NULL,
  `age` int DEFAULT NULL,
  `gender` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,
  `health_condition` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,
  `blood_groups` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,
  PRIMARY KEY (`id`),
  KEY `blood_groups` (`blood_groups`)
)
```

```
) ENGINE=InnoDB AUTO_INCREMENT=101 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
-- -----
```

```
--  
-- Table structure for table `patients`  
--
```

```
DROP TABLE IF EXISTS `patients`;  
CREATE TABLE IF NOT EXISTS `patients` (  
  `id` int NOT NULL AUTO_INCREMENT,  
  `name` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,  
  `city` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,  
  `phone_no` bigint DEFAULT NULL,  
  `age` int DEFAULT NULL,  
  `gender` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,  
  `health_condition` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,  
  `blood_groups` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,  
  `hospital` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  KEY `blood_groups` (`blood_groups`)  
) ENGINE=InnoDB AUTO_INCREMENT=56 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
-- -----
```

```
--  
-- Table structure for table `users`  
--
```

```
DROP TABLE IF EXISTS `users`;  
CREATE TABLE IF NOT EXISTS `users` (  
  `id` int NOT NULL AUTO_INCREMENT,  
  `username` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci NOT NULL,  
  `password` varchar(50) CHARACTER SET latin1 COLLATE latin1_swedish_ci DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  UNIQUE KEY `username` (`username`)  
) ENGINE=MyISAM AUTO_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
-- Dumping data for table `users`
```

```
INSERT INTO `users` (`id`, `username`, `password`) VALUES  
(1, 'uuu', '321');
```

```
-- Constraints for table `donors`
```

```
ALTER TABLE `donors`  
  ADD CONSTRAINT `donors_ibfk_1` FOREIGN KEY (`blood_groups`) REFERENCES `bloodgroup` (`type`) ON  
  DELETE CASCADE ON UPDATE CASCADE;  
-- Constraints for table `patients`  
ALTER TABLE `patients`  
  ADD CONSTRAINT `patients_ibfk_1` FOREIGN KEY (`blood_groups`) REFERENCES `bloodgroup` (`type`) ON  
  DELETE CASCADE ON UPDATE CASCADE;
```

STRUCTURE OF FILES

The following is a directory structure for the Library Management System Project. It includes all the necessary files and directories for the project, organized in a logical and easy-to-navigate manner. The directory structure includes various files that perform different functions of the Library Management System Project. 'materialize.min.css' is a framework used from the internet to help in the styling of the CSS code. There are not many dependencies required but most files reference the 'config.php' file. We have to open XAMPP and start the 'MySQL Database' and 'Apache Web Server' for the Hospital Management System to be loaded into localhost(127.0.0.1) along with its database.

```
bloodbank/  
├─ images/  
│   ├── pic1.jpg  
│   ├── pic2.jpg  
│   ├── pic3.jpg  
│   └─ pic4.png  
├─ bloodbank.sql  
├─ admin.php  
├─ bgcreate.php  
├─ bgdelete.php  
├─ bgedit.php  
├─ card.css  
├─ connection.php  
├─ dcreate.php  
├─ ddelete.php  
├─ dedit.php  
├─ form.css  
├─ index.php  
├─ login.css  
├─ login.php  
├─ logout.php  
├─ pcreate.php  
├─ pdelete.php  
├─ pedit.php  
├─ styles.css  
└─ user.php
```

Directory Structure

CONNECTION

The configuration file “connection.php” is used by each functions to connect to the database. The “connection.php” file contains the necessary code to establish a connection with mysql using mysqli which is a extension in php that adds mysqli functions. This mysqli functions can be used to connect, access, query or do alot of other work on a database. The contents of “connection.php” is provided below.

//‘connection.php’:

```
<?php
    $connection = mysqli_connect('localhost', 'root', '', 'bloodbank');
    if(!$connection){
        echo "Connection failed";
    }
?>
```

Here,

Hostname is stored in *mysqlhost* variable,

Mysql Username is stored in *mysqlusername* variable,

Mysql Password in *mysqlpassword* variable,

The Database name is stored in *mysqlldb* variable,

The *connection* variable is used to store the object representing the connection to a mysql database. The connection is established by using *mysqli_connect* function with the mysql server hostname, mysql server username, mysqlserver password and the mysql database name. Hence, The *mysqli_connect()* function simply opens a new connection to the MySQL Server.

LOGIN

Lets the user as well as admin login into the Blood Bank Management System through authentication. Checks whether provided username and password match the one in the database. If it doesnt match, session wont start and the user cannot login.

//'login.php':

```
<?php
session_start();
include "connection.php";
if(isset($_POST['adun'])){
if((isset($_POST['adun']) && isset($_post['adpw'])) || (isset($_POST['usun']) && isset($_post['uspw']))) {
function validate($data){
    $data=trim($data);
    $data=stripslashes($data);
    $data=htmlspecialchars($data);
    return data;
}
}
$username1=$_POST['adun'];
$password1=$_POST['adpw'];
if(empty($username1)){
    header("Location: index.php");
    exit();
}
else if(empty($password1)){
    header("Location: index.php");
    exit();
}
$sql1 = "SELECT * FROM admin WHERE username='$username1' AND password='$password1'";
$result1 = mysqli_query($connection, $sql1);
if(mysqli_num_rows($result1)==1){
    $row1=mysqli_fetch_assoc($result1);
    if($row1['username']===$username1 && $row1['password']===$password1){
        echo "Logged In!";
        $_SESSION['username'] = $row1['username'];
        header("Location: admin.php");
        exit();
    }
    else{
        header("Location: index.php");
        exit();
    }
}
else{
    header("Location: index.php");
    exit();
}
}
else if(isset($_POST['usun'])){
    if(isset($_POST['usun']) && isset($_post['uspw'])){
        function validate($data){
```

```

        $data=trim($data);
        $data=stripslashes($data);
        $data=htmlspecialchars($data);
        return data;
    }
}
$username2=$_POST['usun'];
$password2=$_POST['uspw'];
if(empty($username2)){
    header("Location: index.php");
    exit();
}
else if(empty($password2)){
    header("Location: index.php");
    exit();
}
$sql2 = "SELECT * FROM users WHERE username='$username2' AND password='$password2'";
$result2 = mysqli_query($connection, $sql2);
if(mysqli_num_rows($result2)==1){
    $row2=mysqli_fetch_assoc($result2);
    if($row2['username']===$username2 && $row2['password']===$password2){
        echo "Logged In!";
        $_SESSION['username'] = $row2['username'];
        header("Location: user.php");
        exit();
    }
}
else{
    header("Location: index.php");
    exit();
}
}
else{
    header("Location: index.php");
    exit();
}
}
?>

```

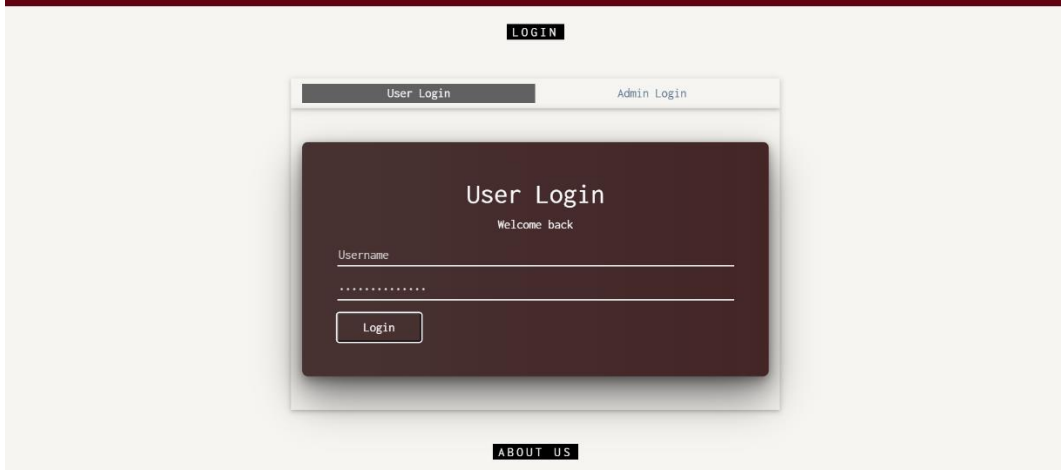
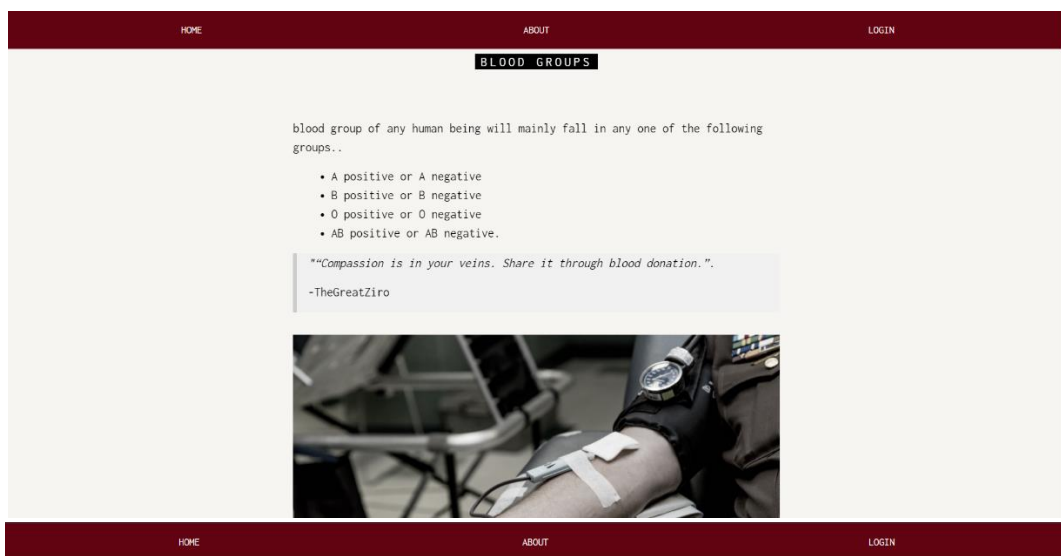
HOME PAGE

The Home Page shows information about the blood bank. It also contains a section for both User login as well as Admin login. It also provides contact information as well as information about the team.



BLOOD GROUPS

index.php is loaded here



//‘index.php’:

```
<!DOCTYPE html>
<html>
<head>
  <title>Blood Bank</title>
```

```

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="/styles.css">
<link rel="stylesheet" href="/login.css">
<link rel="stylesheet" href="/card.css">
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Inconsolata">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.1.3/css/bootstrap.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<style>
  body,
  html {
    height: 100%;
    font-family: "Inconsolata", sans-serif;
  }

  .bgimg {
    background-position: center;
    background-size: 1000px 563px;
    background-image: url("images/pic1.jpg");
    min-height: 75%;
  }

  .menu {
    display: none;
  }
</style>
</head>

<body>

<!-- Links (sit on top) -->
<div class="w3-top">
  <div class="w3-row w3-padding w3-black">
    <div class="w3-col s3">
      <a href="#" class="w3-button w3-block w3-black">HOME</a>
    </div>
    <div class="w3-col s3">
      <a href="#about" class="w3-button w3-block w3-black">ABOUT</a>
    </div>
    <div class="w3-col s3">
      <a href="#menu" class="w3-button w3-block w3-black">LOGIN</a>
    </div>
  </div>
</div>

<!-- Header with image -->
<header class="bgimg w3-display-container w3-grayscale-min" id="home" style="margin-top: 50px;">
  <!--div class="w3-display-bottomleft w3-center w3-padding-large w3-hide-small">
    <span class="w3-tag">Open from 6am to 5pm</span>
  </div-->
  <div class="w3-display-middle w3-center">
    <span class="w3-text-black" style="font-size:90px;">Donate Blood<br>Save Lives</span>
  </div>
  <!--div class="w3-display-bottomright w3-center w3-padding-large">
    <span class="w3-text-white">15 Adr street, 5015</span>
  </div-->

```

```

</div-->
</header>

<!-- Add a background color and large text to the whole page -->
<div class="w3-sand w3-grayscale w3-large">

<!-- About Container -->
<div class="w3-container" id="about">
  <div class="w3-content" style="max-width:700px">
    <h5 class="w3-center w3-padding-64"><span class="w3-tag w3-wide">BLOOD GROUPS</span></h5>
    <p>blood group of any human being will mainly fall in any one of the following groups.</p>
    <div class="col-lg-6">
      <ul>
        <li>A positive or A negative</li>
        <li>B positive or B negative</li>
        <li>O positive or O negative</li>
        <li>AB positive or AB negative.</li>
      </ul>
    </div>
    <div class="w3-panel w3-leftbar w3-light-grey">
      <p><i>"Compassion is in your veins. Share it through blood donation."</i></p>
      <p>-TheGreatZiro</p>
    </div>
    
  </div>
</div>

<!-- User login Container -->
<div class="w3-container" id="menu">
  <div class="w3-content" style="max-width:700px">

    <h5 class="w3-center w3-padding-48"><span class="w3-tag w3-wide">LOGIN</span></h5>

    <div class="w3-row w3-center w3-card w3-padding">
      <a href="javascript:void(0)" onclick="openMenu(event, 'user');" id="myLink">
        <div class="w3-col s6 tablink">User Login</div>
      </a>
      <a href="javascript:void(0)" onclick="openMenu(event, 'admin');">
        <div class="w3-col s6 tablink">Admin Login</div>
      </a>
    </div>

    <div id="user" class="w3-container menu w3-padding-48 w3-card">

      <section class='login' id='ulogin'>
        <div class='head'>
          <h1 class='company'>User Login</h1>
        </div>
        <p class='msg'>Welcome back</p>
        <div class='form'>
          <form method="post" action="login.php">
            <input type="text" placeholder='Username' class='text' id='username' name='usun' required><br>
            <input type="password" placeholder='.....' class='password' name='uspw'><br>
            <input type="submit" value="Login" class="btn-login" name="userlogin">
          </form>
        </div>
      </section>
    </div>
  </div>
</div>

```

```

    </form>
  </div>
</section>

```

```

</div>

```

```

<div id="admin" class="w3-container menu w3-padding-48 w3-card">

```

```

  <section class='login' id='alogin'>
    <div class='head'>
      <h1 class='company'>Admin Login</h1>
    </div>
    <p class='msg'>Welcome back</p>
    <div class='form'>
      <form method="post" action="login.php">
        <input type="text" placeholder='Username' class='text' id='username' name='adun' required><br>
        <input type="password" placeholder='.....' class='password' id='password' name='adpw'><br>
        <input type="submit" value="Login" class="btn-login" name="adlogin">
      </form>
    </div>
  </section>

```

```

</div>

```

```

</div>

```

```

</div>

```

```

<!-- Admin login Container -->

```

```

<div class="w3-container" id="where" style="padding-bottom:32px;">

```

```

  <div class="w3-content" style="max-width:2000px">

```

```

    <h5 class="w3-center w3-padding-48"><span class="w3-tag w3-wide"> ABOUT US</span></h5>

```

```

  <div class="team-boxed">

```

```

    <div class="container">

```

```

      <div class="intro">

```

```

        <p class="text-center">Our mission is to create a centralized platform that connects blood donors with those
in need, making the process of blood donation more efficient and accessible. Through our website, we aim to
promote awareness and educate the public on the importance of regular blood donation. By leveraging technology to
streamline the process and connect donors with recipients in real-time, we hope to make a positive impact on the
lives of those in need of life-saving blood transfusions.</p>

```

```

        <h2 class="text-center">Team </h2>

```

```

      </div>

```

```

    <div class="row people">

```

```

      <div class="col-md-6 col-lg-4 item">

```

```

        <div class="box">

```

```

        <h3 class="name">Salman</h3>

```

```

        <p class="title">bhai</p>

```

```

        <p class="description">Salman is a valuable member of our team, bringing expertise in frontend
technology as a third year Computer Engineering student at MES COLLEGE OF ENGINEERING. With a passion for
staying current and continuously learning, Salman is always seeking out new opportunities to expand his knowledge
and skills. </p>

```

```

        <div class="social"><a href="#"><i class="fa fa-facebook-official"></i></a><a href="#"><i class="fa fa-
twitter"></i></a><a href="#"><i class="fa fa-instagram"></i></a></div>

```

```

      </div>

```

```

    </div>

```

```

  <div class="col-md-6 col-lg-4 item">

```

```

<div class="box">
  <h3 class="name">Sahal</h3>
  <p class="title">TheGreatZiro</p>
  <p class="description">Sahal is a valuable team member with expertise in backend technology as a third
year Computer Engineering student at MES COLLEGE OF ENGINEERING. His dedication to growth and continuous
learning makes him a valuable asset to any software development project. With a strong foundation in these
areas,Sahal is well-equipped to make valuable contributions to the team.. </p>
  <div class="social"><a href="#"><i class="fa fa-facebook-official"></i></a><a href="#"><i class="fa fa-
twitter"></i></a><a href="#"><i class="fa fa-instagram"></i></a></div>
  </div>
</div>
<div class="col-md-6 col-lg-4 item">
  <div class="box">
    <h3 class="name">Vignesh</h3>
    <p class="title">Stylist</p>
    <p class="description">Vignesh is a valuable team member with expertise in frontend technology as a
third year Computer Engineering student at MES COLLEGE OF ENGINEERING. His dedication to growth and continuous
learning makes him a valuable asset to any software development project. With a strong foundation in these areas
and a passion for staying current, vignesh is well-equipped to make valuable contributions to the team. </p>
    <div class="social"><a href="#"><i class="fa fa-facebook-official"></i></a><a href="#"><i class="fa fa-
twitter"></i></a><a href="#"><i class="fa fa-instagram"></i></a></div>
    </div>
  </div>
<div class="col-md-6 col-lg-4 item">
  <div class="box">
    <h3 class="name">Sahil</h3>
    <p class="title">Stylist</p>
    <p class="description">Sahil is a valuable team member with expertise in backend technology as a third
year Computer Engineering student at MES COLLEGE OF ENGINEERING. His dedication to growth and continuous
learning makes him a valuable asset to any software development project. With a strong foundation in these
areas,Sahil is well-equipped to make valuable contributions to the team. </p>
    <div class="social"><a href="#"><i class="fa fa-facebook-official"></i></a><a href="#"><i class="fa fa-
twitter"></i></a><a href="#"><i class="fa fa-instagram"></i></a></div>
    </div>
  </div>
</div>
</div>
</div>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.1.3/js/bootstrap.bundle.min.js"></script>
<div class="w3-container" id="where" style="padding-bottom:32px;">
  <div class="w3-content" style="max-width:700px">
    </div>
  </div>
</div>
<!-- End page content -->
</div>

<div class="w3-center w3-light-grey w3-padding-48 w3-large">
  <p>Powered by <a href="https://www.w3schools.com/w3css/default.asp" title="W3.CSS" target="_blank"
class="w3-hover-text-green">w3.css</a></p>
</div>

```

```

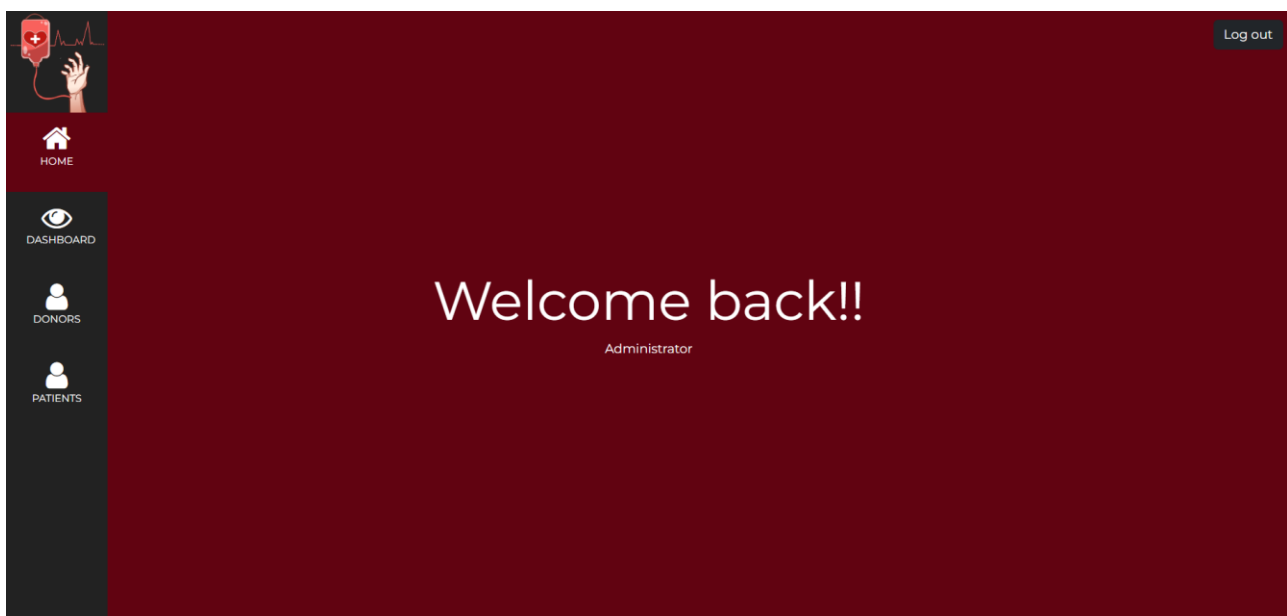
<script>
// Tabbed Menu
function openMenu(evt, menuName) {
  var i, x, tablinks;
  x = document.getElementsByClassName("menu");
  for (i = 0; i < x.length; i++) {
    x[i].style.display = "none";
  }
  tablinks = document.getElementsByClassName("tablink");
  for (i = 0; i < x.length; i++) {
    tablinks[i].className = tablinks[i].className.replace(" w3-dark-grey", "");
  }
  document.getElementById(menuName).style.display = "block";
  evt.currentTarget.firstElementChild.className += " w3-dark-grey";
}
document.getElementById("myLink").click();
</script>


</body>
</html>

```

ADMIN PAGE

The admin login, if successful, redirects to the admin page. This page contains a dashboard which shows total donors and patients as well as blood group chart. It also shows the donor table as well as the patient table. It also provides the options to add, edit and delete records to/from those tables.





HOME

DASHBOARD

DONORS

PATIENTS

Overview

10

READY TO GIVE BLOOD


10

NEED BLOOD

Blood Group chart

ADD

| Type | Give to | Recieve from | | |
|------|---------------|---------------------------|------|--------|
| A+ | A+,AB+ | A+,A-,O+,O- | Edit | Delete |
| A- | A+,A-,AB+,AB- | A-,O- | Edit | Delete |
| AB+ | AB+ | A+,O+,B+,AB+,A-,O-,B-,AB- | Edit | Delete |



HOME

DASHBOARD


DONORS

PATIENTS

Blood Group chart

ADD

| Type | Give to | Recieve from | | |
|------|---------------------------|---------------------------|------|--------|
| A+ | A+,AB+ | A+,A-,O+,O- | Edit | Delete |
| A- | A+,A-,AB+,AB- | A-,O- | Edit | Delete |
| AB+ | AB+ | A+,O+,B+,AB+,A-,O-,B-,AB- | Edit | Delete |
| AB- | AB+,AB- | AB-,A-,B-,O- | Edit | Delete |
| B+ | B+,AB+ | B+,B-,O+,O- | Edit | Delete |
| B- | B+,B-,AB+,AB- | B-,O- | Edit | Delete |
| O+ | O+,A+,B+,AB+ | O+,O- | Edit | Delete |
| O- | A+,O+,B+,AB+,A-,O-,B-,AB- | O- | Edit | Delete |



HOME

DASHBOARD


DONORS

PATIENTS

Donor List

ADD

| ID | NAME | CITY | PHONE NO | AGE | GENDER | HEALTH CONDITION | BLOOD GROUP | | |
|----|---------|------------|------------|-----|--------|------------------|-------------|------|--------|
| 1 | salman | calicut | 9048040741 | 19 | male | good | O+ | Edit | Delete |
| 2 | sahil | malappuram | 8086558484 | 20 | male | good | A+ | Edit | Delete |
| 3 | vignesh | malappuram | 8086559496 | 20 | male | good | B+ | Edit | Delete |
| 4 | nayif | kozhikode | 9207155253 | 20 | male | good | A+ | Edit | Delete |
| 5 | shahbaz | Thrissur | 9876542310 | 21 | male | good | B+ | Edit | Delete |
| 6 | shifal | kozhikode | 9786534219 | 22 | male | good | O+ | Edit | Delete |
| 7 | afeef | thrissur | 8907612548 | 20 | male | good | O+ | Edit | Delete |
| 8 | hisham | malapuram | 9083214567 | 20 | male | good | AB+ | Edit | Delete |
| 9 | rifa | malapuram | 8097245312 | 20 | female | good | B+ | Edit | Delete |
| 10 | ayman | kozhikode | 9768051234 | 21 | male | good | B+ | Edit | Delete |



Patient List

ADD

| ID | NAME | CITY | PHONE NO | AGE | GENDER | HEALTH CONDITION | BLOOD GROUP | HOSPITAL | |
|----|------------------|-----------|------------|-----|--------|------------------|-------------|---------------------------|--|
| 1 | rajeev | kannur | 7865342109 | 42 | male | bone cancer | B+ | aster medicity, ernakulam | Edit Delete |
| 2 | vinod | ernakulam | 9082314577 | 39 | male | diabetes | O- | aster medicity, ernakulam | Edit Delete |
| 3 | jameela | malapuram | 8098887763 | 52 | female | brain tumor | AB+ | aster medicity, ernakulam | Edit Delete |
| 4 | alex mathew | kottayam | 9970854612 | 42 | male | lung cancer | B+ | aster medicity, ernakulam | Edit Delete |
| 5 | gurmeendar singh | ernakulam | 8907662431 | 34 | male | bone cancer | AB- | aster medicity, ernakulam | Edit Delete |
| 6 | rishab | kollam | 9087564231 | 35 | male | hepatitis | A+ | aster medicity, ernakulam | Edit Delete |
| 7 | renukha | thrissur | 907812543 | 51 | female | AIDS | B- | aster medicity, ernakulam | Edit Delete |

HOME

DASHBOARD

DONORS

PATIENTS

//'admin.php':

```
<?php
session_start();
if(isset($_SESSION['username'])){

?>
```

```
<!DOCTYPE html>
<html>
<head>
<title>Administrator</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="/styles.css">
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Montserrat">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css">
```

```
<style>
body, h1,h2,h3,h4,h5,h6 {font-family: "Montserrat", sans-serif}
.w3-row-padding img {margin-bottom: 12px}
/* Set the width of the sidebar to 120px */
.w3-sidebar {width: 120px;background: #222;}
/* Add a left margin to the "page content" that matches the width of the sidebar (120px) */
#main {margin-left: 120px}
/* Remove margins from "page content" on small screens */
@media only screen and (max-width: 600px) {#main {margin-left: 0}}
</style>
</head>
<body class="w3-black">
```

```
<!-- Icon Bar (Sidebar - hidden on small screens) -->
<nav class="w3-sidebar w3-bar-block w3-small w3-hide-small w3-center">
<!-- Avatar image in top left corner -->

<a href="#" class="w3-bar-item w3-button w3-padding-large w3-black">
<i class="fa fa-home w3-xxlarge"></i>
<p>HOME</p>
</a>
```

```

<a href="#about" class="w3-bar-item w3-button w3-padding-large w3-hover-black">
  <i class="fa fa-eye w3-xxlarge"></i>
  <p>DASHBOARD</p>
</a>
<a href="#photos" class="w3-bar-item w3-button w3-padding-large w3-hover-black">
  <i class="fa fa-user w3-xxlarge"></i>
  <p>DONORS</p>
</a>
<a href="#contact" class="w3-bar-item w3-button w3-padding-large w3-hover-black">
  <i class="fa fa-user w3-xxlarge"></i>
  <p>PATIENTS</p>
</a>
</nav>

<!-- Navbar on small screens (Hidden on medium and large screens) -->
<div class="w3-top w3-hide-large w3-hide-medium" id="myNavbar">
  <div class="w3-bar w3-black w3-opacity w3-hover-opacity-off w3-center w3-small">
    <a href="#" class="w3-bar-item w3-button" style="width:25% !important">HOME</a>
    <a href="#about" class="w3-bar-item w3-button" style="width:25% !important">DASHBOARD</a>
    <a href="#photos" class="w3-bar-item w3-button" style="width:25% !important">DONORS</a>
    <a href="#contact" class="w3-bar-item w3-button" style="width:25% !important">PATIENTS</a>
  </div>
</div>

<!-- Page Content -->
<div class="w3-padding-large" id="main">
  <!-- Header/Home -->
  <div class="w3-padding-large" style="min-height: 650px;">
    <header class="w3-container w3-padding-32 w3-center w3-black" style="min-height: 500px;" id="home">
      <div class="w3-display-middle w3-center">
        <h1 class="w3-jumbo"> Welcome back!!</h1>
        <p>Administrator</p>
      </div>
    </header>
  </div>
  <!-- About Section -->
  <div class="w3-content w3-justify w3-text-grey w3-padding-64" style="min-height: 650px;" id="about">
    <h2 class="w3-text-light-grey">Overview</h2>
    <hr style="width:200px" class="w3-opacity">

    <div class="w3-row w3-center w3-padding-16 w3-section w3-light-grey">
      <div class="w3-section">
        <span class="w3-xlarge">
          <?php
            include("connection.php");

            $sql = "SELECT COUNT(*) AS count FROM donors;";
            $result = $connection->query($sql);
            $row = $result->fetch_assoc();
            $count = $row["count"];
            echo "<strong>$count</strong>";

            ?>
          </span><br>
          READY TO GIVE BLOOD
        </div>
      </div>

    <div class="w3-row w3-center w3-padding-16 w3-section w3-light-grey">
      <div class="w3-section">
        <span class="w3-xlarge">
          <?php
            include("connection.php");

            $sql = "SELECT COUNT(*) AS count FROM patients;";
            $result = $connection->query($sql);
            $row = $result->fetch_assoc();
            $count = $row["count"];

```

```

        echo "<strong>$count</strong>";

        ?>
    </span><br>
    NEED BLOOD
</div>
</div>

<div class="container my-5" id="bgchart">
    <h2 class="w3-text-light-grey">Blood Group chart</h2>
    <hr style="width:280px" class="w3-opacity">
    <a class="btn btn-primary" href="/bloodbank_dbms/bgcreate.php" role="button">ADD</a>
    <br>
    <br>
    <table class="table table-striped">
        <thead class="table-dark">
            <tr>
                <th>Type</th>
                <th>Give to</th>
                <th>Recieve from</th>
                <th></th>
            </tr>
        </thead>
        <tbody style="height: 100px !important; overflow: scroll; ">
            <?php
                include "connection.php";

                $sql = "SELECT * FROM bloodgroup";
                $result = $connection->query($sql);

                while($row = $result->fetch_assoc()) {
                    echo"
                    <tr>
                        <td>$row[type]</td>
                        <td>$row[give_to]</td>
                        <td>$row[recieve_from]</td>
                        <td>
                            <a class='btn btn-primary btn-sm' href='/bloodbank_dbms/bgedit.php?type=$row[type]'>Edit</a>
                            <a class='btn btn-danger btn-sm' href='/bloodbank_dbms/bgdelete.php?id=$row[type]'>Delete</a>
                        </td>
                    </tr>
                    ";

                }
            ?>

        </tbody>
    </table>
</div>

<!-- End About Section -->
</div>

<!-- Portfolio Section -->
<div class="w3-padding-64 w3-content" style="min-height: 650px;" id="photos">
    <div class="container my-5" id="dchart">
        <h2 class="w3-text-light-grey">Donor List</h2>
        <hr style="width:280px" class="w3-opacity">
        <a class="btn btn-primary" href="/bloodbank_dbms/dcreate.php" role="button">ADD</a>
        <br>
        <br>
        <table class="table table-striped">
            <thead class="table-dark">
                <tr>
                    <th>ID</th>
                    <th>NAME</th>
                    <th>CITY</th>
                </tr>
            </thead>
        </table>
    </div>

```

```

        <th>PHONE NO</th>
        <th>AGE</th>
        <th>GENDER</th>
        <th>HEALTH CONDITION</th>
        <th>BLOOD GROUP</th>
        <th></th>
    </tr>
</thead>
<tbody style="height: 100px !important; overflow: scroll; ">
    <?php
    include "connection.php";

    $sql = "SELECT * FROM donors";
    $result = $connection->query($sql);

    while($row = $result->fetch_assoc()) {
        echo"
        <tr>
        <td>$row[id]</td>
        <td>$row[name]</td>
        <td>$row[city]</td>
        <td>$row[phone_no]</td>
        <td>$row[age]</td>
        <td>$row[gender]</td>
        <td>$row[health_condition]</td>
        <td>$row[blood_groups]</td>
        <td>
            <a class='btn btn-primary btn-sm' href='/bloodbank_dbms/dedit.php?id=$row[id]'>Edit</a>
            <a class='btn btn-danger btn-sm' href='/bloodbank_dbms/ddelete.php?id=$row[id]'>Delete</a>
        </td>
        </tr>
        ";
    }
    ?>

</tbody>
</table>
</div>

```

```

</div>
<!-- End Portfolio Section -->
</div>

```

```

<!-- Contact Section -->
<div class="w3-padding-64 w3-content w3-text-grey" style="min-height: 650px;" id="contact">
    <div class="container my-5" id="pchart">
        <h2 class="w3-text-light-grey">Patient List</h2>
        <hr style="width:280px" class="w3-opacity">
        <a class="btn btn-primary" href="/bloodbank_dbms/pcreate.php" role="button">ADD</a>
        <br>
        <br>
        <table class="table table-striped">
            <thead class="table-dark">
                <tr>
                    <th>ID</th>
                    <th>NAME</th>
                    <th>CITY</th>
                    <th>PHONE NO</th>
                    <th>AGE</th>
                    <th>GENDER</th>
                    <th>HEALTH CONDITION</th>
                    <th>BLOOD GROUP</th>
                    <th>HOSPITAL</th>
                    <th></th>
                </tr>
            </thead>
        </table>
    </div>

```

```

        </tr>
    </thead>
    <tbody style="height: 100px !important; overflow: scroll; ">
        <?php
            include "connection.php";

            $sql = "SELECT * FROM patients";
            $result = $connection->query($sql);

            while($row = $result->fetch_assoc()) {
                echo"
                <tr>
                    <td>$row[id]</td>
                    <td>$row[name]</td>
                    <td>$row[city]</td>
                    <td>$row[phone_no]</td>
                    <td>$row[age]</td>
                    <td>$row[gender]</td>
                    <td>$row[health_condition]</td>
                    <td>$row[blood_groups]</td>
                    <td>$row[hospital]</td>
                    <td>
                        <a class='btn btn-primary btn-sm' href='/bloodbank_dbms/pedit.php?id=$row[id]'>Edit</a>
                        <a class='btn btn-danger btn-sm' href='/bloodbank_dbms/pdelete.php?id=$row[id]'>Delete</a>
                    </td>
                </tr>
                ";
            }
        ?>

    </tbody>
</table>
</div>

<!-- End Contact Section -->
</div>

<div class="w3-padding-64 w3-content w3-text-grey" style="min-height: 650px;">
<h2 class="w3-text-light-grey">Contact Us</h2>
<hr style="width:200px" class="w3-opacity">
<div class="w3-section">
    <p><i class="fa fa-map-marker fa-fw w3-text-white w3-xxlarge w3-margin-right"></i> Kuttipuram, KERALA</p>
    <p><i class="fa fa-phone fa-fw w3-text-white w3-xxlarge w3-margin-right"></i> Phone: 9876543210</p>
    <p><i class="fa fa-envelope fa-fw w3-text-white w3-xxlarge w3-margin-right"></i> Email: bloodbank_dbms@gmail.com</p>
</div><br>
<div style="position: absolute; top: 10px; right: 10px;">
    <a type="button" class="btn btn-dark data-mdb-ripple-init" href="logout.php"><span class="glyphicon glyphicon-log-out"></span> Log out</a>
</div>
</div>
<!-- Footer -->
<footer class="w3-content w3-padding-64 w3-text-grey w3-xlarge">
    <i class="fa fa-facebook-official w3-hover-opacity"></i>
    <i class="fa fa-instagram w3-hover-opacity"></i>
    <i class="fa fa-snapchat w3-hover-opacity"></i>
    <i class="fa fa-pinterest-p w3-hover-opacity"></i>
    <i class="fa fa-twitter w3-hover-opacity"></i>
    <i class="fa fa-linkedin w3-hover-opacity"></i>
    <p class="w3-medium">Powered by <a href="https://www.w3schools.com/w3css/default.asp" target="_blank" class="w3-hover-text-green">w3.css</a></p>
<!-- End footer -->
</footer>
<!-- END PAGE CONTENT -->
</div>
</body>
</html>
<?php
}else {

```

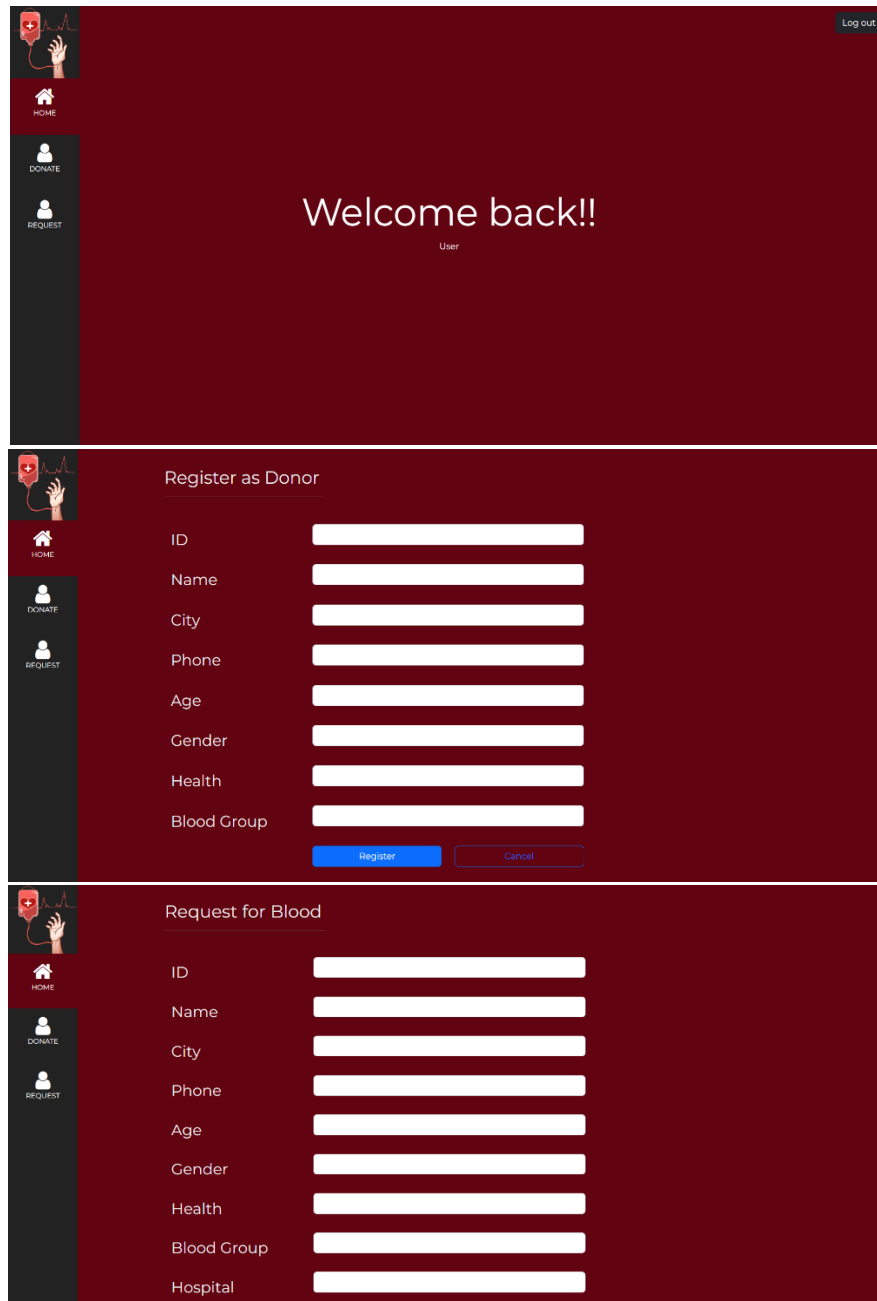
```

header("Location: index.php");
exit();
}
?>

```

USER PAGE

The user login, if successful, redirects to the user page. This page provides options to add to donors table and patients table.



The user page interface consists of three main sections, each with a sidebar on the left containing icons for HOME, DONATE, and REQUEST. The top section displays a 'Welcome back!!' message with a 'User' label and a 'Log out' button. The middle section, titled 'Register as Donor', contains a form with fields for ID, Name, City, Phone, Age, Gender, Health, and Blood Group, along with 'Register' and 'Cancel' buttons. The bottom section, titled 'Request for Blood', contains a form with fields for ID, Name, City, Phone, Age, Gender, Health, Blood Group, and Hospital.

//'user.php':

```

<?php
session_start();
if(isset($_SESSION['username'])){
$id="";

```

```

$name="";
$city="";
$phone_no="";
$age="";
$gender="";
$health_condition="";
$blood_groups="";
$hospital="";
$errorMessage="";
$successMessage="";
?>

<!DOCTYPE html>
<html>
<head>
<title>User</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="./styles.css">
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Montserrat">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css">
<link rel="stylesheet" href="form.css">

<style>
  body, h1,h2,h3,h4,h5,h6 {font-family: "Montserrat", sans-serif}
  .w3-row-padding img {margin-bottom: 12px}
  /* Set the width of the sidebar to 120px */
  .w3-sidebar {width: 120px;background: #222;}
  /* Add a left margin to the "page content" that matches the width of the sidebar (120px) */
  #main {margin-left: 120px}
  /* Remove margins from "page content" on small screens */
  @media only screen and (max-width: 600px) {#main {margin-left: 0}}
</style>
</head>
<body class="w3-black">

<!-- Icon Bar (Sidebar - hidden on small screens) -->
<nav class="w3-sidebar w3-bar-block w3-small w3-hide-small w3-center">
  <!-- Avatar image in top left corner -->
  
  <a href="#" class="w3-bar-item w3-button w3-padding-large w3-black">
    <i class="fa fa-home w3-xxlarge"></i>
    <p>HOME</p>
  </a>
  <a href="#about" class="w3-bar-item w3-button w3-padding-large w3-hover-black">
    <i class="fa fa-user w3-xxlarge"></i>
    <p>DONATE</p>
  </a>
  <a href="#photos" class="w3-bar-item w3-button w3-padding-large w3-hover-black">
    <i class="fa fa-user w3-xxlarge"></i>
    <p>REQUEST</p>
  </a>
</nav>

<!-- Navbar on small screens (Hidden on medium and large screens) -->
<div class="w3-top w3-hide-large w3-hide-medium" id="myNavbar">
  <div class="w3-bar w3-black w3-opacity w3-hover-opacity-off w3-center w3-small">
    <a href="#" class="w3-bar-item w3-button" style="width:25% !important">HOME</a>
    <a href="#about" class="w3-bar-item w3-button" style="width:25% !important">DONATE</a>
    <a href="#photos" class="w3-bar-item w3-button" style="width:25% !important">REQUEST</a>
  </div>
</div>

<!-- Page Content -->
<div class="w3-padding-large" id="main">
  <!-- Header/Home -->
  <div class="w3-padding-large" style="min-height: 650px;">

```



```

<header class="w3-container w3-padding-32 w3-center w3-black" style="min-height: 500px;" id="home">
<div class="w3-display-middle w3-center">
<h1 class="w3-jumbo"> Welcome back!!</h1>
<p>User</p>
</div>
</header>
</div>
<!-- About Section -->
<div class="w3-content w3-justify w3-text-grey w3-padding-64" style="min-height: 650px;" id="about">
<h2 class="w3-text-light-grey fs-2">Register as Donor</h2>
<hr style="width:275px" class="w3-opacity">

<div class="container my-5 fs-3 w3-text-lgrey">

<?php if( !empty($errorMessage)){
    echo "
    <div class='alert alert-warning alert-dismissible fade show' role='alert'>
        <strong>$errorMessage</strong>
        <button id='button' class='btn-close' data-bs-dismiss='alert' aria-label='Close'></button>
    </div>
    ";
}
?>

<form method="post">
<div class="row mb-3">
<label class="col-sm-3 col-form-label">ID</label>
<div class='col-sm-6'>
    <input id="text" class="form-control" name="id" values="<?php echo $id; ?>">
</div>
</div>
<div class="row mb-3">
<label class="col-sm-3 col-form-label">Name</label>
<div class='col-sm-6'>
    <input id="text" class="form-control" name="name" values="<?php echo $name; ?>">
</div>
</div>
<div class="row mb-3">
<label class="col-sm-3 col-form-label">City</label>
<div class='col-sm-6'>
    <input id="text" class="form-control" name="city" values="<?php echo $city; ?>">
</div>
</div>
<div class="row mb-3">
<label class="col-sm-3 col-form-label">Phone</label>
<div class='col-sm-6'>
    <input id="text" class="form-control" name="phone_no" values="<?php echo $phone_no; ?>">
</div>
</div>
<div class="row mb-3">
<label class="col-sm-3 col-form-label">Age</label>
<div class='col-sm-6'>
    <input id="text" class="form-control" name="age" values="<?php echo $age; ?>">
</div>
</div>
<div class="row mb-3">
<label class="col-sm-3 col-form-label">Gender</label>
<div class='col-sm-6'>
    <input id="text" class="form-control" name="gender" values="<?php echo $gender; ?>">
</div>
</div>
<div class="row mb-3">
<label class="col-sm-3 col-form-label">Health</label>
<div class='col-sm-6'>
    <input id="text" class="form-control" name="health_condition" values="<?php echo $health_condition; ?>">
</div>
</div>
<div class="row mb-3">

```

```

        <label class="col-sm-3 col-form-label">Blood Group</label>
        <div class='col-sm-6'>
            <input id="text" class="form-control" name="blood_groups" values="<?php echo $blood_groups; ?>">
        </div>
    </div>
<?php
if( !empty($successMessage) ){
    echo "
    <div class='row mb-3'>
        <div class='offset-sm-3 col-sm-6'>
            <div class='alert alert-success alert-dismissible fade show' role='alert'>
                <strong>$successMessage</strong>
                <button id='button' class='btn-close' data-bs-dismiss='alert' aria-label='Close'></button>
            </div>
        </div>
    </div>
    ";
}
?>

    <div class="row mb-3">
        <div class="offset-sm-3 col-sm-3 d-grid">
            <input type="submit" class="btn btn-primary" id="submit2" name="add" value="Register" />
        </div>
        <div class='col-sm-3 d-grid'>
            <a class="btn btn-outline-primary" href="/bloodbank_dbms/user.php#about" role="button">Cancel</a>
        </div>
    </div>
</form>
</div>
<!-- End About Section -->
</div>
<!-- Portfolio Section -->
<div class="w3-content w3-justify w3-text-grey w3-padding-64" style="min-height: 650px;" id="photos">
    <h2 class="w3-text-light-grey fs-2">Request for Blood</h2>
    <hr style="width:275px" class="w3-opacity">
    <div class="container my-5 fs-3 w3-text-lgrey">

        <?php if( !empty($errorMessage)){
            echo "
            <div class='alert alert-warning alert-dismissible fade show' role='alert'>
                <strong>$errorMessage</strong>
                <button id='button' class='btn-close' data-bs-dismiss='alert' aria-label='Close'></button>
            </div>
            ";
        }
        ?>

        <form method="post">
            <div class="row mb-3">
                <label class="col-sm-3 col-form-label">ID</label>
                <div class='col-sm-6'>
                    <input id="text" class="form-control" name="id" values="<?php echo $id; ?>">
                </div>
            </div>
            <div class="row mb-3">
                <label class="col-sm-3 col-form-label">Name</label>
                <div class='col-sm-6'>
                    <input id="text" class="form-control" name="name" values="<?php echo $name; ?>">
                </div>
            </div>
            <div class="row mb-3">
                <label class="col-sm-3 col-form-label">City</label>
                <div class='col-sm-6'>
                    <input id="text" class="form-control" name="city" values="<?php echo $city; ?>">
                </div>
            </div>
            <div class="row mb-3">

```

```

<label class="col-sm-3 col-form-label">Phone</label>
<div class='col-sm-6'>
    <input id="text" class="form-control" name="phone_no" values="<?php echo $phone_no; ?>">
</div>
</div>
<div class="row mb-3">
    <label class="col-sm-3 col-form-label">Age</label>
    <div class='col-sm-6'>
        <input id="text" class="form-control" name="age" values="<?php echo $age; ?>">
    </div>
</div>
<div class="row mb-3">
    <label class="col-sm-3 col-form-label">Gender</label>
    <div class='col-sm-6'>
        <input id="text" class="form-control" name="gender" values="<?php echo $gender; ?>">
    </div>
</div>
<div class="row mb-3">
    <label class="col-sm-3 col-form-label">Health</label>
    <div class='col-sm-6'>
        <input id="text" class="form-control" name="health_condition" values="<?php echo $health_condition; ?>">
    </div>
</div>
<div class="row mb-3">
    <label class="col-sm-3 col-form-label">Blood Group</label>
    <div class='col-sm-6'>
        <input id="text" class="form-control" name="blood_groups" values="<?php echo $blood_groups; ?>">
    </div>
</div>
<div class="row mb-3">
    <label class="col-sm-3 col-form-label">Hospital</label>
    <div class='col-sm-6'>
        <input id="text" class="form-control" name="hospital" values="<?php echo $hospital; ?>">
    </div>
</div>
<?php
if( !empty($successMessage) ){
    echo "
    <div class='row mb-3'>
        <div class='offset-sm-3 col-sm-6'>
            <div class='alert alert-success alert-dismissible fade show' role='alert'>
                <strong>$successMessage</strong>
                <button id='button' class='btn-close' data-bs-dismiss='alert' aria-label='Close'></button>
            </div>
        </div>
    </div>
    ";
}
?>

<div class="row mb-3">
    <div class="offset-sm-3 col-sm-3 d-grid">
        <input type="submit" class="btn btn-primary" id="submit2" name="add" value="Request" />
    </div>
    <div class='col-sm-3 d-grid'>
        <a class="btn btn-outline-primary" href="/bloodbank_dbms/user.php#photos" role="button">Cancel</a>
    </div>
</div>
</form>
</div>
</div>
<!-- End Portfolio Section -->
</div>

<div class="w3-padding-64 w3-content w3-text-grey" style="min-height: 650px;">
<h2 class="w3-text-light-grey">Contact Us</h2>
<hr style="width:200px" class="w3-opacity">
<div class="w3-section">

```

```

<p><i class="fa fa-map-marker fa-fw w3-text-white w3-xxlarge w3-margin-right"></i> Kuttipuram, KERALA</p>
<p><i class="fa fa-phone fa-fw w3-text-white w3-xxlarge w3-margin-right"></i> Phone: 9876543210</p>
<p><i class="fa fa-envelope fa-fw w3-text-white w3-xxlarge w3-margin-right"></i> Email: bloodbank_dbms@gmail.com</p>
</div><br>
<div style="position: absolute; top: 10px; right: 10px;">
  <a type="button" class="btn btn-dark data-mdb-ripple-init" href="logout.php"><span class="glyphicon glyphicon-log-out"></span> Log out</a>
</div>
</div>
<!-- Footer -->
<footer class="w3-content w3-padding-64 w3-text-grey w3-xlarge">
  <i class="fa fa-facebook-official w3-hover-opacity"></i>
  <i class="fa fa-instagram w3-hover-opacity"></i>
  <i class="fa fa-snapchat w3-hover-opacity"></i>
  <i class="fa fa-pinterest-p w3-hover-opacity"></i>
  <i class="fa fa-twitter w3-hover-opacity"></i>
  <i class="fa fa-linkedin w3-hover-opacity"></i>
  <p class="w3-medium">Powered by <a href="https://www.w3schools.com/w3css/default.asp" target="_blank" class="w3-hover-text-green">w3.css</a></p>
<!-- End footer -->
</footer>
<?php
include("connection.php");

if($_POST['add'] == "Register") {

if( $_SERVER['REQUEST_METHOD'] == 'POST' ){
  $id=$_POST["id"];
  $name=$_POST["name"];
  $city=$_POST["city"];
  $phone_no=$_POST["phone_no"];
  $age=$_POST["age"];
  $gender=$_POST["gender"];
  $health_condition=$_POST["health_condition"];
  $blood_groups=$_POST["blood_groups"];
  do{
    if( empty($id) || empty($name) || empty($city) || empty($phone_no) || empty($age) || empty($gender) || empty($health_condition) ||
empty($blood_groups)){
      $errorMessage = "All the fields are required";
      break;
    }

    $sql = "INSERT INTO donors (id, name, city,phone_no,age,gender,health_condition,blood_groups)".
      "VALUES ('$id','$name','$city','$phone_no','$age','$gender','$health_condition','$blood_groups')";
    $result = $connection->query($sql);

    if(!$result){
      $errorMessage = "Invalid query: " . $connection->error;
      break;
    }

    $id="";
    $name="";
    $city="";
    $phone_no="";
    $age="";
    $gender="";
    $health_condition="";
    $blood_groups="";
    $successMessage = "NEW RECORD ADDED SUCCESFULLY";

    header("location: /bloodbank_dbms/user.php#about");
  } while (false);
}
}
else if($_POST['add'] == "Request") {

if( $_SERVER['REQUEST_METHOD'] == 'POST' ){
  $id=$_POST["id"];

```

```

$name=$_POST["name"];
$city=$_POST["city"];
$phone_no=$_POST["phone_no"];
$age=$_POST["age"];
$gender=$_POST["gender"];
$health_condition=$_POST["health_condition"];
$blood_groups=$_POST["blood_groups"];
$hospital=$_POST["hospital"];
do{
    if(empty($name) || empty($city) || empty($phone_no) || empty($age) || empty($gender) || empty($health_condition) ||
empty($blood_groups) || empty($hospital)){
        $errorMessage = "All the fields are required";
        break;
    }

    $sql = "INSERT INTO patients (id, name, city,phone_no,age,gender,health_condition,blood_groups,hospital)" .
        "VALUES ('$id','$name','$city','$phone_no','$age','$gender','$health_condition','$blood_groups','$hospital')";
    $result = $connection->query($sql);

    if(!$result){
        $errorMessage = "Invalid query: " . $connection->error;
        break;
    }

    $id="";
    $name="";
    $city="";
    $phone_no="";
    $age="";
    $gender="";
    $health_condition="";
    $blood_groups="";
    $hospital="";
    $successMessage = "NEW RECORD ADDED SUCCESFULLY";

    header("location: /bloodbank_dbms/user.php#photos");
} while (false);
}
}

?>

<!-- END PAGE CONTENT -->
</div>

</body>
</html>

<?php
}
else {
    header("Location: index.php");
    exit();
}
?>

```

LOGOUT

The "logout.php" file contains the code to destroy existing session and redirects to the homepage.

//'logout.php':

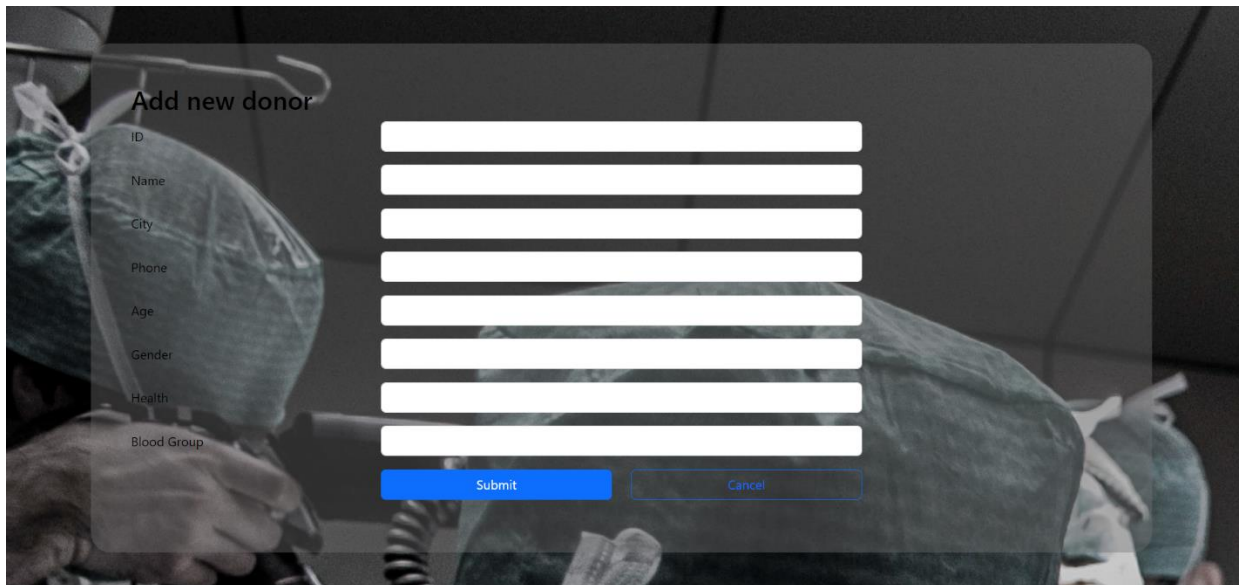
```
<?php
session_start();

session_unset();
session_destroy();

header("Location: index.php");
?>
```

ADD, EDIT & DELETE from the tables

The following php files are used to add new records, update existing records and delete records.



The screenshot displays a web interface for adding a new donor. A semi-transparent modal box is centered on the screen, featuring a title 'Add new donor' and a list of input fields: ID, Name, City, Phone, Age, Gender, Health, and Blood Group. Each field is accompanied by a white text input box. At the bottom of the modal, there are two buttons: a blue 'Submit' button and a grey 'Cancel' button. The background of the page shows a person lying in a hospital bed, partially obscured by the modal.

//'create.php':

```
<?php
include("connection.php");
$id="";
$name="";
$city="";
```

```

$phone_no="";
$age="";
$gender="";
$health_condition="";
$blood_groups="";
$hospital="";
$errorMessage= "";
$successMessage= "";

if( $_SERVER['REQUEST_METHOD'] == 'POST' ){
    $id=$_POST["id"];
    $name=$_POST["name"];
    $city=$_POST["city"];
    $phone_no=$_POST["phone_no"];
    $age=$_POST["age"];
    $gender=$_POST["gender"];
    $health_condition=$_POST["health_condition"];
    $blood_groups=$_POST["blood_groups"];
    $hospital=$_POST["hospital"];
    do{
        if(empty($name) || empty($city) || empty($phone_no) || empty($age) || empty($gender) ||
empty($health_condition) || empty($blood_groups) || empty($hospital)){
            $errorMessage = "All the fields are required";
            break;
        }

        $sql = "INSERT INTO patients (id, name, city,phone_no,age,gender,health_condition,blood_groups,hospital)" .
            "VALUES ('$id','$name','$city','$phone_no','$age','$gender','$health_condition','$blood_groups','$hospital')";
        $result = $connection->query($sql);

        if(!$result){
            $errorMessage = "Invalid query: " . $connection->error;
            break;
        }

        $id="";
        $name="";
        $city="";
        $phone_no="";
        $age="";
        $gender="";
        $health_condition="";
        $blood_groups="";
        $hospital="";
        $successMessage = "NEW RECORD ADDED SUCCESSFULLY";

        header("location: /bloodbank_dbms/admin.php#pchart");
    } while (false);
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

```

```

<title>PATIENTS</title>
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>
<link rel="stylesheet" href="form.css">
</head>
<body class="background">
  <div class="container my-5 layer text">
    <h2>Add new patient</h2>

    <?php if( !empty($errorMessage)){
      echo "
      <div class='alert alert-warning alert-dismissible fade show' role='alert'>
        <strong>$errorMessage</strong>
        <button id='button' class='btn-close' data-bs-dismiss='alert' aria-label='Close'></button>
      </div>
      ";
    }
    ?>

    <form method="post">
      <div class="row mb-3">
        <label class="col-sm-3 col-form-label">ID</label>
        <div class='col-sm-6'>
          <input id="text" class="form-control" name="id" values="<?php echo $id; ?>">
        </div>
      </div>
      <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Name</label>
        <div class='col-sm-6'>
          <input id="text" class="form-control" name="name" values="<?php echo $name; ?>">
        </div>
      </div>
      <div class="row mb-3">
        <label class="col-sm-3 col-form-label">City</label>
        <div class='col-sm-6'>
          <input id="text" class="form-control" name="city" values="<?php echo $city; ?>">
        </div>
      </div>
      <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Phone</label>
        <div class='col-sm-6'>
          <input id="text" class="form-control" name="phone_no" values="<?php echo $phone_no; ?>">
        </div>
      </div>
      <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Age</label>
        <div class='col-sm-6'>
          <input id="text" class="form-control" name="age" values="<?php echo $age; ?>">
        </div>
      </div>
      <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Gender</label>
        <div class='col-sm-6'>
          <input id="text" class="form-control" name="gender" values="<?php echo $gender; ?>">
        </div>
      </div>
    </form>
  </div>

```

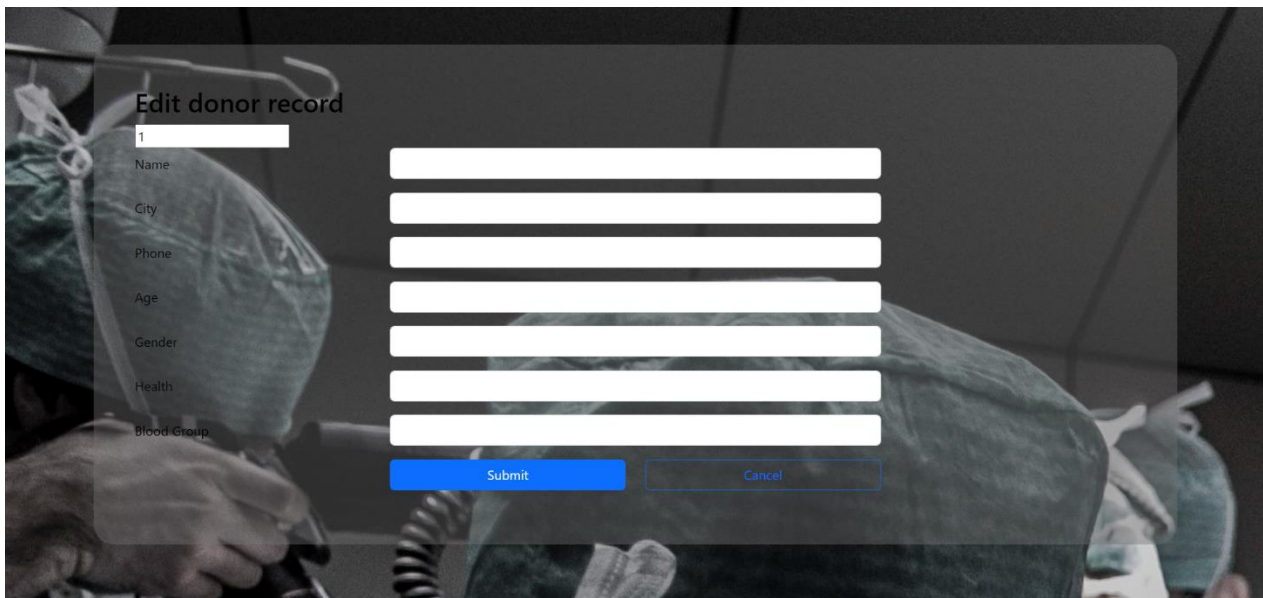


```

</div>
<div class="row mb-3">
  <label class="col-sm-3 col-form-label">Health</label>
  <div class='col-sm-6'>
    <input id="text" class="form-control" name="health_condition" values="<?php echo $health_condition;
?>">
  </div>
</div>
<div class="row mb-3">
  <label class="col-sm-3 col-form-label">Blood Group</label>
  <div class='col-sm-6'>
    <input id="text" class="form-control" name="blood_groups" values="<?php echo $blood_groups; ?>">
  </div>
</div>
<div class="row mb-3">
  <label class="col-sm-3 col-form-label">Hospital</label>
  <div class='col-sm-6'>
    <input id="text" class="form-control" name="hospital" values="<?php echo $hospital; ?>">
  </div>
</div>
<?php
if( !empty($successMessage) ){
  echo "
<div class='row mb-3'>
  <div class='offset-sm-3 col-sm-6'>
    <div class='alert alert-success alert-dismissible fade show' role='alert'>
      <strong>$successMessage</strong>
      <button id='button' class='btn-close' data-bs-dismiss='alert' aria-label='Close'></button>
    </div>
  </div>
</div>
";
}
?>

<div class="row mb-3">
  <div class="offset-sm-3 col-sm-3 d-grid">
    <button id="submit" class="btn btn-primary">Submit</button>
  </div>
  <div class='col-sm-3 d-grid'>
    <a class="btn btn-outline-primary" href="/bloodbank_dbms/admin.php#pchart" role="button">Cancel</a>
  </div>
</div>
</form>
</div>
</body>
</html>

```



//‘edit.php’:

```
<?php
include("connection.php");

$id="";
$name="";
$city="";
$phone_no="";
$age="";
$gender="";
$health_condition="";
$blood_groups="";
$hospital="";
$error_message="";
$success_message="";

if( $_SERVER['REQUEST_METHOD'] == 'GET' ){
    if(!isset($_GET["id"])){
        header("location: /bloodbank_dbms/admin.php#pchart");
        exit;
    }

    $id=$_GET["id"];

    $sql = " SELECT * FROM patients WHERE id = '$id' ";
    $result = $connection->query($sql);
    $row = $result->fetch_assoc();

    if(!$row){
        header("location: /bloodbank_dbms/admin.php#pchart");
        exit;
    }

    $id = $row["id"];
    $name = $row["name"];
    $city = $row["city"];
    $phone_no = $row["phone_no"];
    $age = $row["age"];
    $gender = $row["gender"];
    $health_condition = $row["health_condition"];
    $blood_groups = $row["blood_groups"];
    $hospital = $row["hospital"];
}
else{
```

```

$id = $_POST["id"];
$name = $_POST["name"];
$city = $_POST["city"];
$phone_no = $_POST["phone_no"];
$age = $_POST["age"];
$gender = $_POST["gender"];
$health_condition = $_POST["health_condition"];
$blood_groups = $_POST["blood_groups"];
$hospital = $_POST["hospital"];
do{
    if( empty($id) || empty($name) || empty($city) || empty($phone_no) || empty($age) || empty($gender) || empty($health_condition) ||
empty($blood_groups) || empty($hospital) ){
        $errorMessage = "All the fields are required";
        break;
    }

    $sql = "UPDATE donors SET name='$name',
city='$city',phone_no='$phone_no',age='$age',gender='$gender',health_condition='$health_condition',blood_groups='$blood_groups',hospital='$h
ospital' WHERE id='$id'";

    $result = $connection->query($sql);

    if(!$result){
        $errorMessage = "Invalid query".$connection->error;
        break;
    }

    $successMessage="Table updated succesfully";
    header("location: /bloodbank_dbms/admin.php#pchart");
    exit;
}while (true);
}
?>

```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>PATIENTS</title>
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css">
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>
    <link rel="stylesheet" href="form.css">
</head>
<body class="background">
    <div class="container my-5 layer text">
        <h2>Edit patient record</h2>

        <?php if( !empty($errorMessage)){
            echo "
            <div class='alert alert-warning alert-dismissible fade show' role='alert'>
                <strong>$errorMessage</strong>
                <button id='button' class='btn-close' data-bs-dismiss='alert' aria-label='Close'></button>
            </div>
            ";
        }
        ?>

        <form method="post">
            <input id="hidden" name="id" value="<?php echo $id; ?>">
            <div class="row mb-3">
                <label class="col-sm-3 col-form-label">Name</label>
                <div class='col-sm-6'>
                    <input id="text" class="form-control" name="name" value="<?php echo $name; ?>">
                </div>
            </div>
            <div class="row mb-3">

```

```

        <label class="col-sm-3 col-form-label">City</label>
        <div class='col-sm-6'>
            <input id="text" class="form-control" name="city" values="<?php echo $city; ?>">
        </div>
    </div>
    <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Phone</label>
        <div class='col-sm-6'>
            <input id="text" class="form-control" name="phone_no" values="<?php echo $phone_no; ?>">
        </div>
    </div>
    <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Age</label>
        <div class='col-sm-6'>
            <input id="text" class="form-control" name="age" values="<?php echo $age; ?>">
        </div>
    </div>
    <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Gender</label>
        <div class='col-sm-6'>
            <input id="text" class="form-control" name="gender" values="<?php echo $gender; ?>">
        </div>
    </div>
    <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Health Conditions</label>
        <div class='col-sm-6'>
            <input id="text" class="form-control" name="health_condition" values="<?php echo $health_condition; ?>">
        </div>
    </div>
    <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Blood Group</label>
        <div class='col-sm-6'>
            <input id="text" class="form-control" name="blood_groups" values="<?php echo $blood_groups; ?>">
        </div>
    </div>
    <div class="row mb-3">
        <label class="col-sm-3 col-form-label">Hospital</label>
        <div class='col-sm-6'>
            <input id="text" class="form-control" name="hospital" values="<?php echo $hospital; ?>">
        </div>
    </div>
    <?php
    if( !empty($successMessage) ){
        echo "
        <div class='row mb-3'>
            <div class='offset-sm-3 col-sm-6'>
                <div class='alert alert-success alert-dismissible fade show' role='alert'>
                    <strong>$successMessage</strong>
                    <button id='button' class='btn-close' data-bs-dismiss='alert' aria-label='Close'></button>
                </div>
            </div>
        </div>
        ";
    }
    ?>

    <div class="row mb-3">
        <div class="offset-sm-3 col-sm-3 d-grid">
            <button id="submit" class="btn btn-primary">Submit</button>
        </div>
        <div class='col-sm-3 d-grid'>
            <a class="btn btn-outline-primary" href="/bloodbank_dbms/admin.php#pchart" role="button">Cancel</a>
        </div>
    </div>
</form>
</div>
</body>
</html>

```

//‘delete.php’:

```
<?php
if(isset($_GET["id"])){
    $id = $_GET["id"];
    include("connection.php");

    $sql="DELETE FROM patients WHERE id=$id";
    $connection->query($sql);
}

header("location: /bloodbank_dbms/admin.php#pchart");
exit;

?>
```

CSS STYLES

In this project, we have used some frameworks and libraries from the internet. They are Bootstrap and Font Awesome. Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components. Font Awesome is a font and icon toolkit based on CSS and Less. As of 2023, Font Awesome was used by 30% of sites that use third-party font scripts, placing Font Awesome in second place after Google Fonts.

In addition to those css styles, we have used our own css files to style the pages in this website.

//‘form.css’:

```
.background {
    background:url('images/pic2.jpg');
    position: relative;
}

.layer {
    background-color: rgba(114, 114, 114, 0.4);
    padding: 50px;
    border-radius: 25px;
}

.text {
    color: rgb(0, 0, 0)
}
```

//‘login.css’:

```
.login {
    color: white;
```

```

background: #136a8a;
background:
  -webkit-linear-gradient(to right, #782626, #8a1313);
background:
  linear-gradient(to right, #782626, #8a1313);
margin: auto;
box-shadow:
  0px 2px 10px rgba(0,0,0,0.2),
  0px 10px 20px rgba(0,0,0,0.3),
  0px 30px 60px 1px rgba(0,0,0,0.5);
border-radius: 8px;
padding: 50px;
}
.login .head {
  display: flex;
  align-items: center;
  justify-content: center;
}
.login .head .company {
  font-size: 2.2em;
}
.login .msg {
  text-align: center;
}
.login .form input[type=text].text {
  border: none;
  background: none;
  box-shadow: 0px 2px 0px 0px white;
  width: 100%;
  color: white;
  font-size: 1em;
  outline: none;
}
.login .form .text::placeholder {
  color: #D3D3D3;
}
.login .form input[type=password].password {
  border: none;
  background: none;
  box-shadow: 0px 2px 0px 0px white;
  width: 100%;
  color: white;
  font-size: 1em;
  outline: none;
  margin-bottom: 20px;
  margin-top: 20px;
}
.login .form .password::placeholder {
  color: #D3D3D3;
}
.login .form .btn-login {
  background: none;
  text-decoration: none;
  color: white;
  box-shadow: 0px 0px 0px 2px white;

```

```

border-radius: 3px;
padding: 5px 2em;
transition: 0.5s;
}
.login .form .btn-login:hover {
background: white;
color: dimgray;
transition: 0.5s;
}
.login .forgot {
text-decoration: none;
color: white;
float: right;
}
}
footer {
position: absolute;
color: #136a8a;
bottom: 10px;
padding-left: 20px;
}
footer p {
display: inline;
}
}
footer a {
color: green;
text-decoration: none;
}
}
footer a:hover {
text-decoration: underline;
}
}
footer .heart {
color: #B22222;
font-size: 1.5em
}
}

```

//‘card.css’:

```

.team-boxed {
color:#313437;
}

.team-boxed p {
color:#7d8285;
}

.team-boxed h2 {
font-weight:bold;
margin-bottom:40px;
padding-top:40px;
color:inherit;
}

@media (max-width:767px) {
.team-boxed h2 {

```

```

    margin-bottom:25px;
    padding-top:25px;
    font-size:24px;
  }
}

.team-boxed .intro {
  font-size:16px;
  max-width:2000px;
  margin:0 auto;
}

.team-boxed .intro p {
  margin-bottom:0;
}

.team-boxed .people {
  padding:50px 0;
}

.team-boxed .item {
  text-align:center;
}

.team-boxed .item .box {
  text-align:center;
  padding:30px;
  background-color:#fff;
  margin-bottom:30px;
}

.team-boxed .item .name {
  font-weight:bold;
  margin-top:28px;
  margin-bottom:8px;
  color:inherit;
}

.team-boxed .item .title {
  text-transform:uppercase;
  font-weight:bold;
  color:#d0d0d0;
  letter-spacing:2px;
  font-size:13px;
}

.team-boxed .item .description {
  font-size:15px;
  margin-top:15px;
  margin-bottom:20px;
}

.team-boxed .item img {
  max-width:160px;
}

```



```
.team-boxed .social {  
  font-size:18px;  
  color:#a2a8ae;  
}
```

```
.team-boxed .social a {  
  color:inherit;  
  margin:0 10px;  
  display:inline-block;  
  opacity:0.7;  
}
```

```
.team-boxed .social a:hover {  
  opacity:1;  
}
```

CONCLUSION

In conclusion, the Blood Bank Management System Project is a valuable tool that provides a range of functionalities to manage and organize blood bank resources. The system allows for easy access to donors, patients and other information by adding, updating and deleting records from the tables. The project also provides a dashboard for monitoring the total count of both donors and patients. It also contains a chart to show which blood type can give to whom and receive from whom. The system was successful in achieving its objectives and can be implemented in blood banks to improve their efficiency. Overall, this project has proven to be a valuable addition to the blood bank's resources and services, and it is expected to have a positive impact on the blood bank's overall performance.