**BLOOD DONATION APP**

**ABSTRACT:**

* The blood donation website is a platform designed to encourage and facilitate blood donation.
* This website aims to educate the public about the importance of donating blood and to provide information about the donation process.
* It also serves as a means for individuals to register as blood donors and for blood banks to manage their inventory.
* The website features a user-friendly interface that allows donors to schedule appointments, track their donation history, and receive notifications about upcoming blood drives.
* Additionally, the website provides resources for individuals who may have questions or concerns about the donation process.
* Overall, the blood donation website is a valuable tool for promoting and supporting the lifesaving act of blood donation.

**MODULES:**

The project consists of 2 modules, which are

* Become a donor
* Need a blood donor

**SOFTWARE REQUIREMENTS:**

* Operating system – Windows 10
* Web Server : XAMPP [5.6.4]
* Database : MYSQL [5.0.21]
* Coding Language : Web Tech (HTML, CSS, Java Script, PHP)

**LIMITATION OF EXISTING SYSTEM:**

* Time - consuming
* Inefficient
* Limited reach
* Lack of privacy
* Safety concerns

**PROGRAM CODE:**

**//SAVE\_DATA**

<?php

$name=$\_POST['fullname'];

$number=$\_POST['mobileno'];

$email=$\_POST['emailid'];

$age=$\_POST['age'];

$gender=$\_POST['gender'];

$blood\_group=$\_POST['blood'];

$address=$\_POST['address'];

$conn=mysqli\_connect("localhost","root","","blood\_donation") or die("Connection error");

$sql= "INSERT INTO donor\_details(donor\_name,donor\_number,donor\_mail,donor\_age,donor\_gender,donor\_blood,donor\_address) values('{$name}','{$number}','{$email}','{$age}','{$gender}','{$blood\_group}','{$address}')";

$result=mysqli\_query($conn,$sql) or die("query unsuccessful.");

echo "<script>alert('Successfully Requested... ');</script>";

header("Location: http://localhost:7070/blood/index.php");

mysqli\_close($conn);

?>

**//INDEX.PHP**

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<meta name="description" content="">

<meta name="author" content="">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</head>

<body>

<div id="page-container" style="margin-top:50px; position: relative;min-height: 84vh;">

<div class="container">

<div id="content-wrap" style="padding-bottom:50px;">

<div class="row">

<div class="col-lg-6">

<h1 class="mt-4 mb-3">Need Blood</h1>

</div>

</div>

<form name="needblood" action="" method="post">

<div class="row">

<div class="col-lg-4 mb-4">

<div class="font-italic">Blood Group<span style="color:red">\*</span></div>

<div><select name="blood" class="form-control" required>

<option value=""selected disabled>Select</option>

<?php

include 'conn.php';

$sql= "select \* from blood";

$result=mysqli\_query($conn,$sql) or die("query unsuccessful.");

while($row=mysqli\_fetch\_assoc($result)){

?>

<option value=" <?php echo $row['blood\_id'] ?>"> <?php echo $row['blood\_group'] ?> </option>

<?php } ?>

</select>

</div>

</div>

<div class="col-lg-4 mb-4">

<div class="font-italic">Reason, why do you need blood?<span style="color:red">\*</span></div>

<div><textarea class="form-control" name="address" required></textarea></div></div>

</div>

<div class="row">

<div class="col-lg-1">

<div><input type="submit" name="search" class="btn btn-primary" value="Search" style="cursor:pointer"></div>

</div>

<div class="col-lg-4 mb-4">

Willing To DonateBlood,

<a href="donate\_blood.php">

click here to Donate

</a>

</div>

</div><div class="row">

<?php if(isset($\_POST['search'])){

$bg=$\_POST['blood'];

$sql= "select \* from donor\_details join blood where donor\_details.donor\_blood=blood.blood\_id AND donor\_blood='{$bg}' order by rand() limit 5";

$result=mysqli\_query($conn,$sql) or die("query unsuccessful.");

if(mysqli\_num\_rows($result)>0) {

while($row = mysqli\_fetch\_assoc($result)) {

?>

<div class="col-lg-4 col-sm-6 portfolio-item" ><br>

<div class="card" style="width:300px">

<img class="card-img-top" src="blood\_drop\_logo.jpg" alt="Card image" style="width:100%;height:300px">

<div class="card-body">

<h3 class="card-title"><?php echo $row['donor\_name']; ?></h3>

<p class="card-text">

<b>Blood Group : </b> <b><?php echo $row['blood\_group']; ?></b><br>

<b>Mobile No. : </b> <?php echo $row['donor\_number']; ?><br>

<b>Gender : </b><?php echo $row['donor\_gender']; ?><br>

<b>Age : </b> <?php echo $row['donor\_age']; ?><br>

<b>Address : </b> <?php echo $row['donor\_address']; ?><br>

</p>

</div>

</div>

</div>

<?php

}

}

else

{

echo '<div class="alert alert-danger">No Donor Found For your search Blood group </div>';

}

} ?>

</div>

</div>

</div>

</div>

</body>

</html>

**//BLOOD\_DONATION**

-- Database: `blood\_donation`

-- Table structure for table `blood`

CREATE TABLE `blood` (

`blood\_id` int(11) NOT NULL,

`blood\_group` varchar(10) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1\_swedish\_ci;

-- Dumping data for table `blood`

INSERT INTO `blood` (`blood\_id`, `blood\_group`) VALUES

(1, 'B+'),

(2, 'B-'),

(3, 'A+'),

(4, 'O+'),

(5, 'O-'),

(6, 'A-'),

(7, 'AB+'),

(8, 'AB-');

-- Table structure for table `donor\_details`

CREATE TABLE `donor\_details` (

`donor\_id` int(11) NOT NULL,

`donor\_name` varchar(50) NOT NULL,

`donor\_number` varchar(10) NOT NULL,

`donor\_mail` varchar(50) DEFAULT NULL,

`donor\_age` int(60) NOT NULL,

`donor\_gender` varchar(10) NOT NULL,

`donor\_blood` varchar(10) NOT NULL,

`donor\_address` varchar(100) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1 COLLATE=latin1\_swedish\_ci;

-- Dumping data for table `donor\_details`

INSERT INTO `donor\_details` (`donor\_id`, `donor\_name`, `donor\_number`, `donor\_mail`, `donor\_age`, `donor\_gender`, `donor\_blood`, `donor\_address`) VALUES

(7, 'gd', '9585718037', 'gd@gmail.com', 20, 'Male', ' 2', 'Pondy'),

(8, 'gs', '9585718037', 'gs@gmail.com', 18, 'Male', ' 2', 'Pdy'),

(9, 'gs', '9585718037', 'gs@gmail.com', 18, 'Male', ' 2', 'Pdy');

-- Indexes for dumped tables

-- Indexes for table `blood`

ALTER TABLE `blood`

ADD PRIMARY KEY (`blood\_id`);

-- Indexes for table `donor\_details`

ALTER TABLE `donor\_details`

ADD PRIMARY KEY (`donor\_id`);

-- AUTO\_INCREMENT for dumped tables

-- AUTO\_INCREMENT for table `blood`

ALTER TABLE `blood`

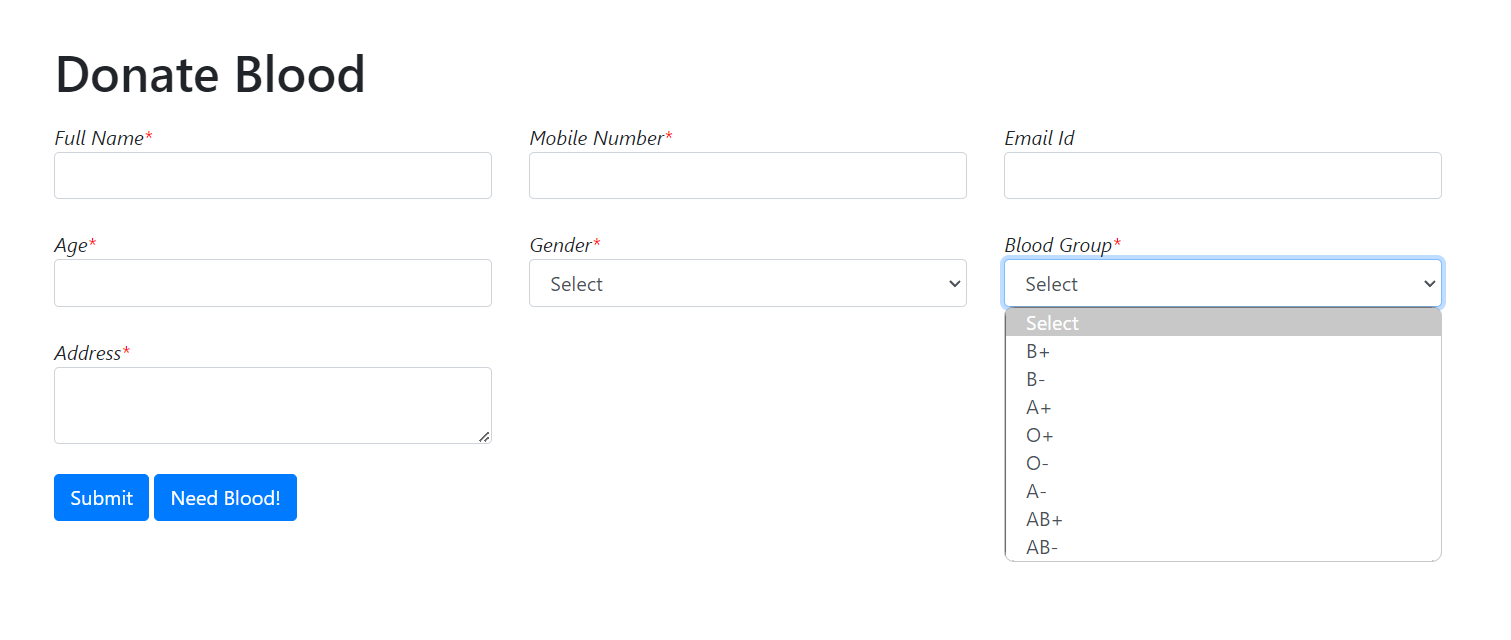
MODIFY `blood\_id` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=9;

-- AUTO\_INCREMENT for table `donor\_details`

ALTER TABLE `donor\_details`

MODIFY `donor\_id` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=10;

COMMIT;

1. **DONATE BLOOD:**
2. **NEED BLOOD:**

