

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['mobilenno'];
$email=$_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?*</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,

click here to Donate

</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" >

<div class="card" style="width: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:

Donate Blood

Full Name*	Mobile Number*	Email Id
<input type="text"/>	<input type="text"/>	<input type="text"/>
Age*	Gender*	Blood Group*
<input type="text"/>	<input type="text" value="Select"/>	<input type="text" value="Select"/>
Address*		
<input type="text"/>		
<input type="button" value="Submit"/>	<input data-bbox="316 636 427 667" type="button" value="Need Blood!"/>	

2) NEED BLOOD:

Need Blood

Blood Group*	Reason, why do you need blood?*
<input type="text" value="Select"/>	<input type="text"/>
<input type="button" value="Search"/>	Willing To DonateBlood, click here to Donate



gd

Blood Group : B-

Mobile No. : 9585718037

Gender : Male

Age : 20

Address : Pondy



gs

Blood Group : B-

Mobile No. : 9585718037

Gender : Male

Age : 18

Address : Pdy



gs

Blood Group : B-

Mobile No. : 9585718037

Gender : Male

Age : 18

Address : Pdy