

# **Smart Blood Bank Management System with AI powered ChatBot Hemo-Serve**

**18CSE361T – WEB PROGRAMMING**

**Mini Project Report**

*Submitted by*

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## **BONAFIDE CERTIFICATE**

This is to certify that 18CSE361T – Web Programming mini project report titled “Smart Blood Bank Management System with AI Powered ChatBot - Hemo-Serve” is the bonafide work of Suryasen(RA2111031010057) who undertook the task of completing the project within the allotted time.

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## **TABLE OF CONTENTS**

<b>Chapter No.</b>	<b>Title</b>	<b>Page No.</b>
	Abstract	5
1	Introduction	6
2	Module Description	7
3	Database Design	10
4	Implementation	13
5	Results	55
6	Conclusion	70
	References	71

## **Abstract**

Ensuring the availability of blood is crucial for healthcare systems worldwide. However, managing blood banks efficiently can be a complex and demanding task. To address this challenge we propose the development of an online blood bank management system that streamlines operations, enhances donor management, and improves overall efficiency.

The system facilitates seamless donor registration, real-time inventory tracking, and quick identification of suitable donors. It also enables blood transfers between banks to ensure timely access to necessary blood types. Additionally, an integrated Azure Health ChatBot provides personalised guidance on the health conditions of the patient where in any individual can interact with the bot and get with some few simple question can get prescriptions.

The system utilises following technologies:

- HTML, CSS & JavaScript
- PHP
- MySQL and
- Azure(HealthBot, Storage Containers)

# **CHAPTER 1**

## **INTRODUCTION**

Hemo-Serve, a cutting-edge blood bank management system, modernizes operations by streamlining processes, enhancing donor engagement, and simplifying blood donation. Utilizing advanced web technologies and Azure's Health Bot, it eases donor registration, offers real-time blood inventory tracking, and enables seamless blood transfer between banks.

The integrated Azure Health chatbot provides personalized guidance, aiding informed decision-making and donor preparedness. Hemo-Serve's user-friendly interface allows easy registration, maintaining a centralized donor database for eligibility tracking and contact information.

Real-time visibility into blood inventory empowers staff and customers to make informed decisions about availability, collection drives, and inventory management. Tracking by blood group ensures products are readily available, and quick donor identification helps in urgent situations. Efficient blood transfer between banks is facilitated, especially crucial in emergencies. The Azure Health chatbot supports users with health queries.

Hemo-Serve is a comprehensive and user-friendly blood bank management system that revolutionizes operations, improving efficiency, donor engagement, and patient care.

## CHAPTER 2

### MODULE DESCRIPTION

The Hemo-Serve revolutionizes blood bank operations by providing a comprehensive and user-friendly platform for managing donor information, blood inventory, and ensuring the timely availability of blood products for those in need. Developed using cutting-edge web development technologies and accompanied with Azure's Health Bot, Hemo-Serve streamlines processes, enhances donor engagement, and streamlines the process of Blood Donation.

Hemo-Serve simplifies the donor registration process, encouraging wider participation in blood donation drives. Potential donors can easily register through a user-friendly interface, providing their personal information, blood group, and contact details. The system maintains a centralized donor database, enabling blood banks to effectively track donor eligibility, donation history, and contact information.

Hemo-Serve provides real-time visibility into blood inventory, empowering blood bank staff and customers to make informed decisions regarding blood availability, blood collection drives, inter-bank transfers, and inventory management. The system tracks blood stocks by blood group, ensuring that blood products are readily available to meet patient needs and prevent shortages.

When a specific blood type is urgently required, Hemo-Serve powerful search functionality quickly identifies suitable donors from the registered database. The system provides a list of eligible donors along with their contact information, enabling blood banks to efficiently reach out and coordinate blood donation appointments.

Hemo-Serve streamlines the transfer of blood between blood banks, ensuring that blood products are available where they are needed most. The system facilitates inter-bank communication and coordination, enabling efficient transfer requests and approvals. This feature is particularly valuable in emergency situations or when a specific blood bank faces a shortage.

An integrated Azure Health chatbot serves as a valuable tool for the patients and usual customers for facilitating the need of an automated system for health related queries. The chatbot provides personalized guidance based on user input. This feature promotes informed decision-making and enhances donor preparedness.

## **Project Structure**

There are a total of 7 screens in the project playing individual roles:

1. Home Page - This page gives the overview of the project/website, that what is the function of the website and what is the problem that it is solving while also giving a basic overview of the Human Blood while also creating awareness of blood donation.
2. About Us Page - This page give a basic overview of the Hemo-Serve website while also providing information about the blood bank and the importance of the blood donation.
3. Why Donate Blood Page - This page give the information on the importance of the blood while also giving the knowledge of the Blood Transfusion and why it is needed and also creates awareness with several statistics.
4. Become a Donor Page - This page gives the option for the user to become a blood donor by providing basic credentials like name, mobile number, age, gender and address.
5. Need Blood Page - This page works on a filtering system wherein the person in need of blood can search for the potential donor by entering the blood group they need and the reason why they need it for.
6. Contact Us Page - This page basically gives user the access to contact Hemo-Serve if any assistance they are in need of by entering their name, email, phone number and the message they want to convey.
7. Health Bot Page - This is an Azure Health Bot an Azure Service which is specifically designed for solving the issues related to health and providing assistance to the customers.

## **Technology Stack for Scalability and Security**

Hemo-Serve is developed using a combination of web development technologies, including:

1. PHP
2. MySQL (Database)
3. Azure Services

This robust technology stack ensures a user-friendly interface, efficient data management, and secure data storage. The application is deployed on the Azure platform, leveraging its scalability, reliability, and security features to support a growing user base.

## **Project Benefits**

The implementation of Hemo-Serve brings significant benefits to blood banks and the healthcare system as a whole:

1. Improved Blood Availability and Patient Outcomes - By ensuring the timely availability of blood products, Hemo-Serve contributes to improved patient care and better healthcare outcomes.
2. Enhanced Donor Engagement and Participation - Streamlined donor registration and personalized guidance encourage more individuals to participate in blood donation, increasing the pool of available donors.
3. Streamlined Operations and Reduced Costs - Hemo-Serve automates tasks, centralizes data, and optimizes inventory management, leading to improved operational efficiency and cost savings.
4. Data-Driven Decision Making - Real-time insights into blood inventory levels and donor information enable blood banks to make informed decisions, optimizing resource allocation and preventing shortages.

An efficient blood bank management system, Hemo-Serve stands as a testament to the power of technology in transforming healthcare. By streamlining operations, enhancing donor engagement, and ensuring the timely availability of blood products, Hemo-Serve contributes to saving lives and improving the overall quality of healthcare delivery.

# CHAPTER 3

## DATABASE DESIGN

**Database Name :** blood\_donation

**Table Name :** admin\_info

Field Name	Datatype	Size	Constrains	Extras
admin_id	int	10	Primary Key	AUTO_INCREMENT
admin_name	varchar	50		
admin_username	varchar	50		
admin_password	varchar	50		

**Database Name :** blood\_donation

**Table Name :** blood

Field Name	Datatype	Size	Constrains	Extras
blood_id	int	11	Primary Key	AUTO_INCREMENT
blood_group	varchar	10		

**Database Name :** blood\_donation

**Table Name :** contact\_info

Field Name	Datatype	Size	Constrains	Extras
contact_id	int	11	Primary Key	AUTO_INCREMENT
contact_address	varchar	100		
contact_mail	varchar	50		
contact_phone	varchar	100		

**Database Name** : blood\_donation

**Table Name** : contact\_query

Field Name	Datatype	Size	Constrains	Extras
query_id	int	11	Primary Key	AUTO_INCREMENT
query_name	varchar	100		
query_mail	varchar	120		
query_number	char	11		
query_message	longtext			
query_date	timestamp			ON UPDATE CURRENT_TIMESTAMP()
query_status	int	11		

**Database Name** : blood\_donation

**Table Name** : donor\_details

Field Name	Datatype	Size	Constrains	Extras
donor_id	int	11	Primary Key	AUTO_INCREMENT
donor_name	varchar	50		
donor_number	varchar	10		
donor_mail	varchar	50		
donor_age	int	60		
donor_gender	varchar	10		
donor_blood	varchar	10		
donor_address	varchar	100		

**Database Name** : blood\_donation

**Table Name** : pages

Field Name	Datatype	Size	Constrains	Extras
page_id	int	11	Primary Key	AUTO_INCREMENT
page_name	varchar	255		
page_type	varchar	50		
page_date	longtext			

**Database Name** : blood\_donation

**Table Name** : query\_stat

Field Name	Datatype	Size	Constrains	Extras
id	int	11	Primary Key	
query_type	varchar	45		

# CHAPTER 4

## IMPLEMENTATION

### HOME PAGE CODE

```
<!DOCTYPE html>
<html lang="en">
<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://cdn.jsdelivr.net/npm/@popperjs/core@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
<style>
</style>
</head>

<body>
<div class="header">
<?php
$active="home";
include('head.php'); ?>

</div>
<?php include'ticker.php'; ?>

<div id="page-container" style="margin-top:50px; position: relative; min-height: 84vh; ">
<div class="container">
<div id="content-wrap" style="padding-bottom:75px;">
<div id="demo" class="carousel slide" data-ride="carousel">

<!-- Indicators -->
<ul class="carousel-indicators">
<li data-target="#demo" data-slide-to="0" class="active"></li>
<li data-target="#demo" data-slide-to="1"></li>
</ul>

<!-- The slideshow -->
<div class="carousel-inner">
<div class="carousel-item active">

</div>
<div class="carousel-item">

</div>

</div>
```

```

<!-- Left and right controls -->
<a class="carousel-control-prev" href="#demo" data-slide="prev">
<span class="carousel-control-prev-icon"></span>
</a>
<a class="carousel-control-next" href="#demo" data-slide="next">
<span class="carousel-control-next-icon"></span>
</a>
</div>
<br>
<h1 style="text-align:center;font-size:45px;">Welcome to BloodBank & Donor Management System</h1>
<br>
<div class="row">
<div class="col-lg-4 mb-4">
<div class="card">
<h4 class="card-header card bg-info text-white" >The need for blood</h4>

<p class="card-body overflow-auto" style="padding-left:2%;height:120px;text-align:left;">
<?php
include 'conn.php';
$sql=$sql= "select * from pages where page_type='needforblood'";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
while($row = mysqli_fetch_assoc($result)) {
echo $row['page_data'];
}
}
?>
</p>
</div>
</div>
<div class="col-lg-4 mb-4">
<div class="card">
<h4 class="card-header card bg-info text-white">Blood Tips</h4>

<p class="card-body overflow-auto" style="padding-left:2%;height:120px;text-align:left;">
<?php
include 'conn.php';
$sql=$sql= "select * from pages where page_type='bloodtips'";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
while($row = mysqli_fetch_assoc($result)) {
echo $row['page_data'];
}
}
?>
</p>

</div>
</div>
<div class="col-lg-4 mb-4">
<div class="card">
<h4 class="card-header card bg-info text-white" >Who you could Help</h4>

<p class="card-body overflow-auto" style="padding-left:2%;height:120px;text-align:left;">
<?php
include 'conn.php';
$sql=$sql= "select * from pages where page_type='whoyouhelp'";

```

```

$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
while($row = mysqli_fetch_assoc($result)) {
echo $row['page_data'];
}
}

?>
</p>

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

<h2>Blood Donor Names</h2>

<div class="row">
<?php
include 'conn.php';
$sql= "select * from donor_details join blood where donor_details.donor_blood=blood.blood_id order by rand() limit 6";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($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">

<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 } ?>
</div>
<br>
<!-- /.row -->

<!-- Features Section -->
<div class="row">
<div class="col-lg-6">
<h2>BLOOD GROUPS</h2>
<p>
<?php
include 'conn.php';
$sql=$sql= "select * from pages where page_type='bloodgroups'";
$result=mysqli_query($conn,$sql);

```

```

if(mysqli_num_rows($result)>0) {
while($row = mysqli_fetch_assoc($result)) {
echo $row['page_data'];
}
}

?></p>

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

</div>
</div>
<!-- /.row -->

<hr>

<!-- Call to Action Section -->
<div class="row mb-4">
<div class="col-md-8">
<h4>UNIVERSAL DONORS AND RECIPIENTS</h4>
<p>
<?php
include 'conn.php';
$sql=$sql= "select * from pages where page_type='universal'";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
while($row = mysqli_fetch_assoc($result)) {
echo $row['page_data'];
}
}

?></p>
</div>
<div class="col-md-4">
<a class="btn btn-lg btn-secondary btn-block" href="donate_blood.php" style="align:center; background-color:#7FB3D5;color:#273746 ">Become a Donor </a>
</div>
</div>

</div>
</div>
<?php include('footer.php');?>
</div>

</body>

</html>

```

## HEADER CODE

```
<html>
<head>
<style>

.header {
    overflow:hidden;
    background-color: #333;
    top: 0;
    width:100%;
    padding: 10px 5px;
    color:#FF0404 ;
}

.header a {
    float: left;
    color: white;
    text-align: center;
    padding: 12px;
    text-decoration: none;
    font-size: 18px;
    line-height: 25px;
    border-radius: 4px;
    font-weight:bold;
}

.header a.logo {
    font-size: 25px;
    font-weight: bold;
    color:#FF0404 ;
}

.header a:hover {
    background-color: #ddd;
    color: black;
}

.header-right {
    float: right;
}

@media screen and (max-width: 500px) {
    .header a {
        float: none;
        display: block;
        text-align: left;
    }
    .header-right {
        float: none;
    }
}

.a.act{
background: linear-gradient(to right, #fd746c 0%, #ff9068 100%);
color: white;
border-radius:30px;
```

```

}
a.logo2{
background-color: #333;
}
</style>
</head>

<body>
<div class="header">
<a href="home.php" class="logo"<?php if($active=='home') echo "class='logo2''"; ?>>Blood Bank & Donation
</a>
<div class="header-right">
<a href="about_us.php" <?php if($active=='about') echo "class='act''; ?>>About Us</a>
<a href="why_donate_blood.php" <?php if($active=='why') echo "class='act''; ?>>Why Donate Blood</a>
<a href="donate_blood.php" <?php if($active=='donate') echo "class='act''; ?>>Become A Donor</a>
<a href="need_blood.php" <?php if($active=='need') echo "class='act''; ?>>Need Blood</a>
<a href="contact_us.php" <?php if($active=='contact') echo "class='act''; ?>>Contact Us</a>
<a href="health_bot.php" <?php if($active=='health_bot') echo "class='act''; ?>>Health Bot</a>
</div>
</div>

</body>
</html>

```

## ABOUT US PAGE CODE

```
<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://cdn.jsdelivr.net/npm/@popperjs/core@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</head>
<style>
</style>
<body>
<?php
$active = 'about';
include('head.php');
?>
<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">About Us</h1>
<p> <?php
include 'conn.php';
$sql=$sql= "select * from pages where page_type='aboutus'";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
while($row = mysqli_fetch_assoc($result)) {
echo $row['page_data'];
}
}
?>
</p>
</div>
<div class="col-lg-6">

</div>
</div>
</div></div>
<?php include('footer.php')
?>
</div>
</body>
</html>
```

## WHY DONATE BLOOD PAGE CODE

```
<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://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</head>
<body>
<?php
$active = 'why';
include('head.php');
?>
<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">Why Should I Donate Blood ? </h1>
<p>
<?php
include 'conn.php';
$sql=$sql= "select * from pages where page_type='donor'";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
while($row = mysqli_fetch_assoc($result)) {
echo $row['page_data'];
}
?>
</p>
</div>
<div class="col-lg-6">

</div>
</div>
</div>
<?php include('footer.php')
?>
</div>
</body>
</html>
```

## BECOME A DONOR PAGE CODE

```
<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://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</head>
<body>
<?php
$active = 'donate';
include('head.php') ?>
<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">Donate Blood </h1>
</div>
</div>
<form name="donor" action="savedata.php" method="post">
<div class="row">
<div class="col-lg-4 mb-4">
<div class="font-italic">Full Name<span style="color:red">*</span></div>
<div><input type="text" name="fullname" class="form-control" required></div>
</div>
<div class="col-lg-4 mb-4">
<div class="font-italic">Mobile Number<span style="color:red">*</span></div>
<div><input type="text" name="mobileno" class="form-control" required></div>
</div>
<div class="col-lg-4 mb-4">
<div class="font-italic">Email Id</div>
<div><input type="email" name="emailid" class="form-control"></div>
</div>
</div>
<div class="row">
<div class="col-lg-4 mb-4">
<div class="font-italic">Age<span style="color:red">*</span></div>
<div><input type="text" name="age" class="form-control" required></div>
</div>
<div class="col-lg-4 mb-4">
<div class="font-italic">Gender<span style="color:red">*</span></div>
<div><select name="gender" class="form-control" required>
<option value="">Select</option>
<option value="Male">Male</option>
<option value="Female">Female</option>
</select>
```

```

</div>
</div>
<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>
<div class="row">
<div class="col-lg-4 mb-4">
<div class="font-italic">Address<span style="color:red">*</span></div>
<div><textarea class="form-control" name="address" required></textarea></div></div>
<div class="row">
<div class="col-lg-4 mb-4">
<div><input type="submit" name="submit" class="btn btn-primary" value="Submit"
style="cursor:pointer"></div>
</div>
</div>
</div>
<?php include('footer.php') ?>
</div>
</body>
</html>

```

## NEED BLOOD PAGE CODE

```
<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://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</head>
<body>
<?php
$active = 'need';
include('head.php') ?>
<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 class="row">
<div class="col-lg-4 mb-4">
<div><input type="submit" name="search" class="btn btn-primary" value="Search"
style="cursor:pointer"></div>
</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">

<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>
<?php include 'footer.php' ?>
</div>
</body>

</html>

```

## CONTACT US PAGE CODE

```
<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://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</head>
<body>
<?php $active = 'contact';
include 'head.php'; ?>
<?php
if(isset($_POST['send'])){
$name=$_POST['fullname'];
$number=$_POST['contactno'];
$email=$_POST['email'];
$message=$_POST['message'];
$conn=mysqli_connect("localhost","root","","blood_donation") or die("Connection error");
$sql= "insert into contact_query (query_name,query_mail,query_number,query_message)
values('{$name}', '{$number}', '{$email}', '{$message}')";
$result=mysqli_query($conn,$sql) or die("query unsuccessful.");
echo '<div class="alert alert-success alert-dismissible"><b><button type="button" class="close"
data-dismiss="alert">&times;</button></b><b>Query Sent, We will contact you shortly. </b></div>';
}?
<div id="page-container" style="margin-top:50px; position: relative; min-height: 84vh;">
<div class="container">
<div id="content-wrap" style="padding-bottom:50px;">
<h1 class="mt-4 mb-3">Contact</h1>
<div class="row">
<div class="col-lg-8 mb-4">
<h3>Send us a Message</h3>
<form name="sentMessage" method="post">
<div class="control-group form-group">
<div class="controls">
<label>Full Name:</label>
<input type="text" class="form-control" id="name" name="fullname" required>
<p class="help-block"></p>
</div>
</div>
<div class="control-group form-group">
<div class="controls">
<label>Phone Number:</label>
<input type="tel" class="form-control" id="phone" name="contactno" required>
</div>
</div>
<div class="control-group form-group">
<div class="controls">
```

```

<label>Email Address:</label>
<input type="email" class="form-control" id="email" name="email" required>
</div>
</div>
<div class="control-group form-group">
<div class="controls">
<label>Message:</label>
<textarea rows="10" cols="100" class="form-control" id="message" name="message" required
maxlength="999" style="resize:none"></textarea>
</div>
</div>
<button type="submit" name="send" class="btn btn-primary">Send Message</button>
</form>
</div>
<div class="col-lg-4 mb-4">
<h2>Contact Details</h2>
<?php
include 'conn.php';
$sql= "select * from contact_info";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
while($row = mysqli_fetch_assoc($result)) { ?>
<br>
<p>
<h4>Address :</h4><?php echo $row['contact_address']; ?>
</p>
<p>
<h4>Contact Number :</h4><?php echo $row['contact_phone']; ?>
</p>
<p>
<h4> Email:</h4><a href="#"><?php echo $row['contact_mail']; ?></a>
</a></b>
</p>
<?php } } ?>
</div>
</div>
<!-- /.row -->
</div>
</div>
<?php include 'footer.php' ?>
</div>
</body>
</html>

```

## AZURE HEALTH BOT PAGE CODE

```
<iframe  
src='https://webchat.botframework.com/embed/docuventohealthbot-yfvmkjh?s=uMz6f33Nn8U.F9z  
DyR9J-sThbLmcAP8kpX5YvaR3UFZIBnTuZAMYzHE' style='min-width: 400px; width: 100%; min-height:  
500px;'></iframe>
```

## DATABASE CONNECTION CODE

```
<?php  
$conn=mysqli_connect("localhost","root","","blood_donation") or die("Connection error");  
?>
```

## SLIDER CODE

```
<html>  
<head>  
<meta charset="utf-8">  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<link rel="stylesheet"  
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>  
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>  
</head>  
<body>  
<div class="container" style="margin-top:100px">  
<div id="myCarousel" class="carousel slide" data-ride="carousel">  
<ol class="carousel-indicators">  
<li data-target="#myCarousel" data-slide-to="0" class="active"></li>  
<li data-target="#myCarousel" data-slide-to="1"></li></ol>  
<div class="carousel-inner">  
<div class="item active">  
  
</div>  
<div class="item">  
  
</div>  
</div>  
<a class="left carousel-control" href="#myCarousel" data-slide="prev">  
<span class="glyphicon glyphicon-chevron-left"></span>  
<span class="sr-only">Previous</span>  
</a>  
<a class="right carousel-control" href="#myCarousel" data-slide="next">  
<span class="glyphicon glyphicon-chevron-right"></span>  
<span class="sr-only">Next</span>  
</a>  
</div>  
</div>  
</body>  
</html>
```

## TICKER CODE

```
<html>
<head>
<style>
@media screen and (max-width: 80px) {
.news {
position: relative; margin-left: auto; margin-right: auto; margin-top: 400px ;
}
.text1{
box-shadow: none !important;
position: relative;
margin-left: auto; margin-right: auto;
}}
.blue {
background: #347fd0;}
.news {
box-shadow: inset 0 -15px 30px rgba(10,4,60,0.4), 0 5px 10px rgba(10,20,100,0.5);
width: 100%;
height: 50px;
margin-top: 0px;
overflow: hidden;
border-radius: 4px;
padding: 1px;
-webkit-user-select: none;}
.news span {
float: left;
color: #fff;
padding: 9px;
position: relative;
top: 1%;
box-shadow: inset 0 -15px 30px rgba(0,0,0,0.4);
font: 16px 'Raleway', Helvetica, Arial, sans-serif;
-webkit-font-smoothing: antialiased;
-webkit-user-select: none;
cursor: pointer;}
.text1{
box-shadow: none !important;
position: relative;
width: 90%}
</style>
</head>
<body>
<div class="news blue">
<span style="background-color: #F60F0F; width: 125px; height: 50px">Latest Updates</span><span
class="text1" ><marquee>First blood donation camp to be organised in Chennai By Suryasen in
collaboration with Blood Bank Management System on <b>29/10/2023 at SRM University.</b> Come
and Be a Part of this Noble Cause </marquee></span>
</div>
</body>
</head>
</html>
```

## FOOTER CODE

```
<html><head><style>
#footer {
position: absolute;
left: 0;
bottom: 0;
width: 100%;
height: 75px;
background-color:#000000;
color:white;
text-align: center;}
#healthbot {
position:static;
background-color:#fcb8b6;
color:red;
text-align: center;}
</style>
</head>
<body>
<div id="footer" >
<b><center>COPYRIGHT © 2023<br>
Blood Bank Management System
<br>
ALL RIGHTS RESERVED.
<div id="healthbot">
<b><center>HEALTH BOT<br>
<iframe
src='https://webchat.botframework.com/embed/docuventohealthbot-yfvmkjh?s=uMz6f33Nn8U.F9z
DyR9J-sThbLmcAP8kpX5YvaR3UFZIBnTuZAMYzHE' style='min-width: 400px; width: 100%; min-height:
500px;'></iframe>
</div></center></div></body></html>
```

## BECOME A DONOR DATABASE CODE

```
<?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");
$sql= "INSERT INTO
donor_details(donor_name,donor_number,donor_mail,donor_age,donor_gender,donor_blood,dono
r_address)
values('{$name}', '{$number}', '{$email}', '{$age}', '{$gender}', '{$blood_group}', '{$address}')";
$result=mysqli_query($conn,$sql) or die("query unsuccessful.");
header("Location: http://localhost/BDMS/home.php");
mysqli_close($conn);
?>
```

## NEED BLOOD - DATABASE SEARCH CODE

```
<?php
$bg=$_POST['blood'];
$conn=mysqli_connect("localhost","root","","blood_donation") or die("Connection error");
$sql= "select * from donor_details where donor_blood='{$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="row">
<div class="col-lg-4 col-sm-6 portfolio-item" ><br>
<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>
```

## ADMIN LOGIN PAGE CODE

```
<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://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script></head>
<body background="admin_image\blood-cells.jpg">

<form class="" action="<?php $_SERVER['PHP_SELF']; ?>" method="post">

<div class="container" style="margin-top:200px;">
<div class="row justify-content-center">
<div class="col-lg-6">
<h1 class="mt-4 mb-3" style="color:#D2F015 ;">
Blood Bank & Management
<br>Admin Login Portal
</h1>

</div>
</div>
<div class="card" style="height:250px; background-image:url('admin_image/glossy1.jpg');">
<div class="card-body">

<div class="row justify-content-lg-center justify-content-mb-center" >
<div class="col-lg-6 mb-6 ">
<div class="font-italic" style="font-weight:bold">Username<span style="color:red">*</span></div>
<div><input type="text" name="username" placeholder="Enter your username"
class="form-control" value="" required></div>
</div>
</div>
<div class="row justify-content-lg-center justify-content-mb-center">
<div class="col-lg-6 mb-6 "><br>
<div class="font-italic" style="font-weight:bold">Password<span style="color:red">*</span></div>
<div><input type="password" name="password" placeholder="Enter your Password"
class="form-control" value="" required></div>
</div>
</div>
<div class="row justify-content-lg-center justify-content-mb-center">
<div class="col-lg-4 mb-4 " style="text-align:center"><br>
<div><input type="submit" name="login" class="btn btn-primary" value="LOGIN"
style="cursor:pointer"></div>
</div>
</div>
</div>
```

```

</div></div>
<br>
<?php
include 'conn.php';

if(isset($_POST["login"])){
    $username=mysqli_real_escape_string($conn,$_POST["username"]);
    $password=mysqli_real_escape_string($conn,$_POST["password"]);

    $sql="SELECT * from admin_info where admin_username='".$username.' and
    admin_password='".$password."'";
    $result=mysqli_query($conn,$sql) or die("query failed.");

    if(mysqli_num_rows($result)>0)
    {
        while($row=mysqli_fetch_assoc($result)){
            session_start();
            $_SESSION['loggedin'] = true;
            $_SESSION["username"]=$username;
            header("Location: dashboard.php");
        }
    }
    else {
        echo '<div class="alert alert-danger" style="font-weight:bold"> Username and Password are not
        matched!</div>';
    }
}
?>
</form>
</body>
</html>

```

## ADMIN DASHBOARD PAGE CODE

```
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<style>
#sidebar{position: relative; margin-top: -20px}
#content{position: relative; margin-left: 210px}
@media screen and (max-width: 600px) {
#content {
position: relative; margin-left: auto; margin-right: auto;
}}
.block-anchor {
color: red;
cursor: pointer;
}
</style></head>
<body style="color: black;">
<?php
include 'conn.php';
include 'session.php';
if (isset($_SESSION['loggedin']) && $_SESSION['loggedin'] == true) {
?>
<div id="header">
<?php include 'header.php';?>
</div>
<div id="sidebar">
<?php
$active="dashboard";
include 'sidebar.php'; ?></div>
<div id="content">
<div class="content-wrapper">
<div class="container-fluid">
<div class="row">
<div class="col-md-12 lg-12 sm-12">
<h1 class="page-title">Dashboard</h1>
</div></div>
<hr>
<div class="row">
<div class="col-md-12">
<div class="row">
<div class="col-md-3">
<div class="panel panel-default panel-info" style="border-radius: 50px; border: 1px solid #D6EAF8; background-color: #D6EAF8; padding: 10px; text-align: center; width: 100%; height: 100%;">
<div class="panel-body panel-info bk-primary text-light" style="background-color: #D6EAF8; border-radius: 50px; padding: 10px; text-align: center; width: 100%; height: 100%;">
<div class="stat-panel text-center">
<?php
```

```

$sql =" SELECT * from donor_details ";
$result=mysqli_query($conn,$sql) or die("query failed.");
$row=mysqli_num_rows($result);?
<div class="stat-panel-number h1"><?php echo $row?></div>
<div class="stat-panel-title text-uppercase">Blood Donors Available </div>
<br>
<button class="btn btn-danger" onclick="window.location.href = 'donor_list.php';">
Full Detail <i class="fa fa-arrow-right"></i>
</button></div></div></div>
<div class="col-md-3">
<div class="panel panel-default panel-info" style="border-radius:50px;">
<div class="panel-body panel-info bk-primary text-light"
style="background-color:#ABEBC6;border-radius:50px;">
<div class="stat-panel text-center">
<?php
$sql1 =" SELECT * from contact_query ";
$result1=mysqli_query($conn,$sql1) or die("query failed.");
$row1=mysqli_num_rows($result1);
?>
<div class="stat-panel-number h1 "><?php echo $row1?></div>
<div class="stat-panel-title text-uppercase"> All User Queries </div>
<br>
<button class="btn btn-danger" onclick="window.location.href = 'query.php';">
Full Detail <i class="fa fa-arrow-right"></i>
</button></div></div></div>
<div class="col-md-3">
<div class="panel panel-default panel-info" style="border-radius:50px;">
<div class="panel-body panel-info bk-primary text-light" style="background-color:#E8DAEF
;border-radius:50px; ">
<div class="stat-panel text-center">
<?php
$sql2 ="SELECT * from contact_query where query_status=2 ";
$result2=mysqli_query($conn,$sql2) or die("query failed.");
$row2=mysqli_num_rows($result2);
?>
<div class="stat-panel-number h1 "><?php echo $row2 ?></div>
<div class="stat-panel-title text-uppercase"> Pending Queries </div>
<br>
<button class="btn btn-danger" onclick="window.location.href = 'pending_query.php';">
Full Detail <i class="fa fa-arrow-right"></i>
</button></div></div></div></div></div>
<?php
} else {
echo '<div class="alert alert-danger"><b> Please Login First To Access Admin Portal.</b></div>';
?>
<form method="post" name="" action="login.php" class="form-horizontal">
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4" style="float:left">
<button class="btn btn-primary" name="submit" type="submit">Go to Login Page</button>
</div></div></form>
<?php }?>
</body>
</html>

```

## ADMIN CHANGE PASSWORD PAGE CODE

```
<?php include 'session.php'; ?>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<style>
#sidebar{position: relative; margin-top: -20px}
#content{position: relative; margin-left: 210px}
@media screen and (max-width: 600px) {
#content {
position: relative; margin-left: auto; margin-right: auto;
}
}
</style>
</head>
<?php
include 'conn.php';
if (isset($_SESSION['loggedin']) && $_SESSION['loggedin'] == true) {
?>
<body style="color: black">
<div id="header">
<?php include 'header.php';
?>
</div>
<div id="sidebar">
<?php
$active="";
include 'sidebar.php';
?>
</div>
<div id="content">
<div class="content-wrapper">
<div class="container-fluid">
<div class="row">
<div class="col-md-12 lg-12 sm-12">
<h1 class="page-title">Change Password</h1>
</div>
</div>
<div class="row">
<div class="col-md-10">
<div class="panel panel-default">
<div class="panel-heading">Password Fields</div>
<div class="panel-body">
<form method="post" name="chngpwd" class="form-horizontal">
<div class="form-group" method="post">
<label class="col-sm-4 control-label">Current Password</label>
<div class="col-sm-8">
```

```
<input type="password" class="form-control" name="currpassword" id="password" required>
</div>
</div>
<div class="hr-dashed"></div>
<div class="form-group">
<label class="col-sm-4 control-label">New Password</label>
<div class="col-sm-8">
<input type="password" class="form-control" name="newpassword" id="newpassword" required>
</div>
</div>
<div class="hr-dashed"></div>
<div class="form-group">
<label class="col-sm-4 control-label">Confirm Password</label>
<div class="col-sm-8">
<input type="password" class="form-control" name="confirmpassword" id="confirmpassword" required>
</div>
</div>
<div class="hr-dashed"></div>
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4">
<button class="btn btn-primary" name="submit" type="submit">Save changes</button>
</div>
</div>
</div>
</div>
<?php
if(isset($_POST["submit"])){
$username=$_SESSION['username'];
$password=mysqli_real_escape_string($conn,$_POST["currpassword"]);
$sql="select * from admin_info where admin_username='".$username."'";
$result=mysqli_query($conn,$sql) or die("query failed.");
if(mysqli_num_rows($result)>0)
{
while($row=mysqli_fetch_assoc($result)){
if($password==$row['admin_password']){
$newpassword=mysqli_real_escape_string($conn,$_POST["newpassword"]);
$confpassword=mysqli_real_escape_string($conn,$_POST["confirmpassword"]);
if($newpassword==$confpassword)
{
if($newpassword!=$password)
{
$sql1="UPDATE admin_info set admin_password='{$newpassword}' where
admin_username='".$username."'";
$result1=mysqli_query($conn,$sql1) or die("query failed.");
echo '<div class="alert alert-success alert-dismissible"><button type="button" class="close"
data-dismiss="alert">&times;</button><b> Password Changed Successfully.</b></div>';
}
else {

```

```

echo '<div class="alert alert-info alert-dismissible"><button type="button" class="close"
data-dismiss="alert">&times;</button><b>New Password Can not be same as Current
Password..</b></div>';
}
}
else {
echo '<div class="alert alert-warning alert-dismissible"><button type="button" class="close"
data-dismiss="alert">&times;</button> <b>New Password and Confirm Password Not
Matched!</b></div>';
}
}
else {
echo '<div class="alert alert-danger alert-dismissible"><button type="button" class="close"
data-dismiss="alert">&times;</button><b> Current Password not matched!</b></div>';
}
}
}
}
}
?>
<?php
}
else {
echo '<div class="alert alert-danger"><b> Please Login First To Access Admin Portal.</b></div>';
?>
<form method="post" name="" action="login.php" class="form-horizontal">
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4" style="float:left">

<button class="btn btn-primary" name="submit" type="submit">Go to Login Page</button>
</div>
</div>
</form>
<?php }
?>
</div>
</div>
</div>
</body>
</html>

```

## ADD DONOR PAGE CODE

```
<?php include 'session.php'; ?>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<style>
#sidebar{position: relative; margin-top: -20px}
#content{position: relative; margin-left: 210px}
@media screen and (max-width: 600px) {
#content {
position: relative; margin-left: auto; margin-right: auto;
}}
</style></head>
<body style="color: black">
<?php
include 'conn.php';
if (isset($_SESSION['loggedin']) && $_SESSION['loggedin'] == true) {
?>
<div id="header">
<?php $active="add"; include 'header.php';
?>
</div>
<div id="sidebar">
<?php include 'sidebar.php'; ?>
</div>
<div id="content">
<div class="content-wrapper">
<div class="container-fluid">
<div class="row">
<div class="col-md-12 lg-12 sm-12">
<h1 class="page-title">Add Donor</h1>
</div></div>
<hr>
<form name="donor" action="save_donor_data.php" method="post">
<div class="row">
<div class="col-lg-4 mb-4"><br>
<div class="font-italic">Full Name<span style="color: red">*</span></div>
<div><input type="text" name="fullname" class="form-control" required></div>
</div>
<div class="col-lg-4 mb-4"><br>
<div class="font-italic">Mobile Number<span style="color: red">*</span></div>
<div><input type="text" name="mobileno" class="form-control" required></div>
</div>
<div class="col-lg-4 mb-4"><br>
<div class="font-italic">Email Id</div>
<div><input type="email" name="emailid" class="form-control"></div>
```

```

</div></div>
<div class="row">
<div class="col-lg-4 mb-4"><br>
<div class="font-italic">Age<span style="color:red">*</span></div>
<div><input type="text" name="age" class="form-control" required></div>
</div>
<div class="col-lg-4 mb-4"><br>
<div class="font-italic">Gender<span style="color:red">*</span></div>
<div><select name="gender" class="form-control" required>
<option value="">Select</option>
<option value="Male">Male</option>
<option value="Female">Female</option>
</select></div></div>
<div class="col-lg-4 mb-4"><br>
<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>
<br>
<div class="row">
<div class="col-lg-4 mb-4">
<div class="font-italic">Address<span style="color:red">*</span></div>
<div><textarea class="form-control" name="address" required></textarea></div></div>
</div> <br>
<div class="row">
<div class="col-lg-4 mb-4">
<div><input type="submit" name="submit" class="btn btn-primary" value="Submit"
style="cursor:pointer" onclick="popup()"></div>
</div></div></form></div></div>
<?php
} else {
echo '<div class="alert alert-danger"><b> Please Login First To Access Admin Portal.</b></div>';
?>
<form method="post" name="" action="login.php" class="form-horizontal">
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4" style="float:left">
<button class="btn btn-primary" name="submit" type="submit">Go to Login Page</button>
</div></div></form>
<?php }
?>
<script>
function popup() {
alert("Data added Successfully.");
}
</script></body></html>

```

## DONOR LIST PAGE CODE

```
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<style>
#sidebar{position: relative; margin-top: -20px}
#content{position: relative; margin-left: 210px}
@media screen and (max-width: 600px) {
    #content {
        position: relative; margin-left: auto; margin-right: auto;
    }
}
#he{
    font-size: 14px;
    font-weight: 600;
    text-transform: uppercase;
    padding: 3px 7px;
    color: #fff;
    text-decoration: none;
    border-radius: 3px;
    align:center
}
</style>
</head>
<?php
include 'conn.php';
include 'session.php';
if (isset($_SESSION['loggedin']) && $_SESSION['loggedin'] == true) {
?>
<body style="color:black">
<div id="header">
<?php include 'header.php';
?>
</div>
<div id="sidebar">
<?php $active="list"; include 'sidebar.php'; ?>
</div>
<div id="content" >
<div class="content-wrapper">
<div class="container-fluid">
<div class="row">
<div class="col-md-12 lg-12 sm-12">
<h1 class="page-title">Donor List</h1>
</div>
</div>
<hr>
```

```

<?php
include 'conn.php';
$limit = 10;
if(isset($_GET['page'])){
$page = $_GET['page'];
}else{
$page = 1;
}
$offset = ($page - 1) * $limit;
$count=$offset+1;
$sql= "select * from donor_details join blood where donor_details.donor_blood=blood.blood_id
LIMIT {$offset},{$limit}";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
?>
<div class="table-responsive">
<table class="table table-bordered" style="text-align:center">
<thead style="text-align:center">
<th style="text-align:center">S.no</th>
<th style="text-align:center">Name</th>
<th style="text-align:center">Mobile Number</th>
<th style="text-align:center">Email Id</th>
<th style="text-align:center">Age</th>
<th style="text-align:center">Gender</th>
<th style="text-align:center">Blood Group</th>
<th style="text-align:center">Address</th>
<th style="text-align:center">Action</th>
</thead>
<tbody>
<?php
while($row = mysqli_fetch_assoc($result)) { ?>
<tr>
<td><?php echo $count++; ?></td>
<td><?php echo $row['donor_name']; ?></td>
<td><?php echo $row['donor_number']; ?></td>
<td><?php echo $row['donor_mail']; ?></td>
<td><?php echo $row['donor_age']; ?></td>
<td><?php echo $row['donor_gender']; ?></td>
<td><?php echo $row['blood_group']; ?></td>
<td><?php echo $row['donor_address']; ?></td>
<td id="he" style="width:100px">
<a style="background-color:aqua" href='delete.php?id=<?php echo $row['donor_id']; ?>'> Delete
</a>
</td>
</tr>
<?php } ?>
</tbody>
</table>
</div>
<?php } ?>

```

```

<div class="table-responsive" style="text-align:center;align:center">
<?php
$sql1 = "SELECT * FROM donor_details";
$result1 = mysqli_query($conn, $sql1) or die("Query Failed.");
if(mysqli_num_rows($result1) > 0){
$total_records = mysqli_num_rows($result1);
$total_page = ceil($total_records / $limit);
echo '<ul class="pagination admin-pagination">';
if($page > 1){
echo '<li><a href="donor_list.php?page=' . ($page - 1).'">Prev</a></li>';
}
for($i = 1; $i <= $total_page; $i++){
if($i == $page){
$active = "active";
} else{
$active = "";
}
echo '<li class="'.$active.'"><a href="donor_list.php?page='.$i.'">' . $i . '</a></li>';
}
if($total_page > $page){
echo '<li><a href="donor_list.php?page=' . ($page + 1).'">Next</a></li>';
}
echo '</ul>';
}
?>
</div>
</div>
</div>
</div>
<?php }
else {
echo '<div class="alert alert-danger"><b> Please Login First To Access Admin Portal.</b></div>';
?>
<form method="post" name="" action="login.php" class="form-horizontal">
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4" style="float:left">
<button class="btn btn-primary" name="submit" type="submit">Go to Login Page</button>
</div>
</div>
</form>
<?php }
?>
</body>
</html>

```

## CHECK CONTACT US QUERY PAGE CODE

```
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<style>
#sidebar{position:relative;margin-top:-20px}
#content{position:relative;margin-left:210px}
@media screen and (max-width: 600px) {
#content {
position:relative;margin-left:auto;margin-right:auto;
}
}
#he{
font-size: 14px;
font-weight: 600;
text-transform: uppercase;
padding: 3px 7px;
color: #fff;
text-decoration: none;
border-radius: 3px;
align:center
}
</style>
</head>
<?php
include 'conn.php';
include 'session.php';
if (isset($_SESSION['loggedin']) && $_SESSION['loggedin'] == true) {
?>
<body style="color:black">
<div id="header">
<?php include 'header.php';
?>
</div>
<div id="sidebar">
<?php $active="query"; include 'sidebar.php'; ?>
</div>
<div id="content" >
<div class="content-wrapper">
<div class="container-fluid">
<div class="row">
<div class="col-md-12 lg-12 sm-12">
<h1 class="page-title">User Query</h1>
</div>
</div>
<hr>
```

```

<script>
function clickme(){
if(confirm("Do you really Want to Read ?"))
{
document.getElementById("demo").innerHTML = "Read";
<?php
echo '<div class="alert alert-info alert-dismissible"><b><button type="button" class="close"
data-dismiss="alert">&times;</button></b><b>Pending Request "Read".</b></div>';
$que_id = $_GET['id'];
$sql1="update contact_query set query_status='1' where query_id={$que_id}";
$result=mysqli_query($conn,$sql1);
?>
}
}
</script>
<?php
include 'conn.php';
$limit = 10;
if(isset($_GET['page'])){
$page = $_GET['page'];
}else{
$page = 1;
}
$offset = ($page - 1) * $limit;
$count=$offset+1;
$sql= "select * from contact_query LIMIT {$offset},{$limit}";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
?>
<div class="table-responsive">
<table class="table table-bordered" style="text-align:center">
<thead style="text-align:center">
<th style="text-align:center">S.no</th>
<th style="text-align:center">Name</th>
<th style="text-align:center">Email Id</th>
<th style="text-align:center">Mobile Number</th>
<th style="text-align:center">Message</th>
<th style="text-align:center">Posting Date</th>
<th style="text-align:center">Status</th>
<th style="text-align:center">Action</th>
</thead>
<tbody>
<?php
while($row = mysqli_fetch_assoc($result)) { ?>
<tr>
<td><?php echo $count++; ?></td>
<td><?php echo $row['query_name']; ?></td>
<td><?php echo $row['query_mail']; ?></td>
<td><?php echo $row['query_number']; ?></td>
<td><?php echo $row['query_message']; ?></td>
<td><?php echo $row['query_date']; ?></td>
<?php if($row['query_status']==1)
{

```

```

?><td>Read<br></td>
<?php } else {?>
<td><a href="query.php?id=<?php echo $row['query_id'];?>" onclick="clickme()"><b id="demo">Pending</b></a><br>
</td>
<?php } ?>
<td id="he" style="width:100px">
<a style="background-color:aqua" href='delete_query.php?id=<?php echo $row['query_id']; ?>'>
Delete </a>
</td></tr><?php } ?></tbody></table></div>
<?php } ?>
<div class="table-responsive" style="text-align:center;align:center">
<?php
$sql1 = "SELECT * FROM contact_query";
$result1 = mysqli_query($conn, $sql1) or die("Query Failed.");
if(mysqli_num_rows($result1) > 0){
$total_records = mysqli_num_rows($result1);
$total_page = ceil($total_records / $limit);
echo '<ul class="pagination admin-pagination">';
if($page > 1){
echo '<li><a href="query.php?page='.($page - 1).'">Prev</a></li>';
}
for($i = 1; $i <= $total_page; $i++){
if($i == $page){
$active = "active";
} else{
$active = "";
}
echo '<li class="'.$active.'"><a href="query.php?page='.$i.'">'.$i.'</a></li>';
}
if($total_page > $page){
echo '<li><a href="query.php?page='.($page + 1).'">Next</a></li>';
}
echo '</ul>';
}
?>
</div></div></div>
<?php
} else {
echo '<div class="alert alert-danger"><b> Please Login First To Access Admin Portal.</b></div>';
?>
<form method="post" name="" action="login.php" class="form-horizontal">
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4" style="float:left">

<button class="btn btn-primary" name="submit" type="submit">Go to Login Page</button>
</div>
</div>
</form>
<?php }
?>
</body>
</html>

```

## MANAGE PAGES PAGE CODE

```
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<style>
#sidebar{position: relative; margin-top: -20px}
#content{position: relative; margin-left: 210px}
@media screen and (max-width: 600px) {
    #content {
        position: relative; margin-left: auto; margin-right: auto;
    }
}
#he{
    font-size: 14px;
    font-weight: 600;
    text-transform: uppercase;
    padding: 3px 7px;
    color: #fff;
    text-decoration: none;
    border-radius: 3px;
    align:center
}
</style>
</head>
<?php
include 'conn.php';
include 'session.php';
if (isset($_SESSION['loggedin']) && $_SESSION['loggedin'] == true) {
?>
<body style="color:black">
<div id="header" >
<?php include 'header.php';
?>
</div>
<div id="sidebar">
<?php $active="pages";
include 'sidebar.php'; ?>
</div>
<div id="content" >
<div class="content-wrapper">
<div class="container-fluid">
<div class="row">
<div class="col-md-12 lg-12 sm-12">
<h1 class="page-title">Manage Page Data</h1>
</div></div>
<hr>
```

```

<?php
$limit = 3;
if(isset($_GET['page'])){
$page = $_GET['page'];
}else{
$page = 1;
}
$offset = ($page - 1) * $limit;
$count=$offset+1;
$sql= "select * from pages LIMIT {$offset},{$limit} ";
$result=mysqli_query($conn,$sql);
if(mysqli_num_rows($result)>0) {
?>
<div class="table-responsive">
<table class="table table-bordered" style="text-align:center">
<thead style="text-align:center">
<th style="text-align:center">S.no</th>
<th style="text-align:center">Page Name</th>
<th style="text-align:center">Page Type</th>
<th style="text-align:center">Page Data</th>
<th style="text-align:center">Edit Page</th>
</thead>
<tbody>
<?php
while($row = mysqli_fetch_assoc($result)) { ?>
<tr>
<td ><?php echo $count++; ?></td>
<td ><?php echo $row['page_name']; ?></td>
<td ><?php echo $row['page_type']; ?></td>
<td id="example" style="text-align:left"><div style="width:100%; max-height:110px; overflow:auto"><?php echo $row['page_data']; ?></div></td>
<td id="he" style="width:100px;">
<a style="background-color:aqua" href="update_page_details.php?type=<?php echo $row['page_type'];?>"> <span class="glyphicon glyphicon-edit"></span></a>
</td>
</tr>
<?php } ?>
</tbody>
</table>
</div>
<?php } ?>
<div class="table-responsive" style="text-align:center;align:center">
<?php
$sql1 = "SELECT * FROM pages";
$result1 = mysqli_query($conn, $sql1) or die("Query Failed.");
if(mysqli_num_rows($result1) > 0){
$total_records = mysqli_num_rows($result1);
$total_page = ceil($total_records / $limit);
echo '<ul class="pagination admin-pagination">';
if($page > 1){
echo '<li><a href="pages.php?page=' . ($page - 1) . '">Prev</a></li>';
}
for($i = 1; $i <= $total_page; $i++) {

```

```

if($i == $page){
$active = "active";
}else{
$active = "";
}
echo '<li class="'. $active .'><a href="pages.php?page='.$i.'">' . $i . '</a></li>';
}
if($total_page > $page){
echo '<li><a href="pages.php?page=' . ($page + 1) . '">Next</a></li>';
}
echo '</ul>';
}
?>
</div>
</div>
</div>
</div>
<?php }
else {
echo '<div class="alert alert-danger"><b> Please Login First To Access Admin Portal.</b></div>';
?>
<form method="post" name="" action="login.php" class="form-horizontal">
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4" style="float:left">
<button class="btn btn-primary" name="submit" type="submit">Go to Login Page</button>
</div>
</div>
</form>
<?php }
?>
</body>
</html>

```

## UPDATE CONTACT INFO PAGE CODE

```
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<style>
#sidebar{position: relative; margin-top: -20px}
#content{position: relative; margin-left: 210px}
@media screen and (max-width: 600px) {
#content {
position: relative; margin-left: auto; margin-right: auto;
}
}
</style>
</head>
<body style="color: black">
<?php
include 'conn.php';
include 'session.php';
if (isset($_SESSION['loggedin']) && $_SESSION['loggedin'] == true) {
?>
<div id="header">
<?php include 'header.php';
?>
</div>
<div id="sidebar">
<?php
$active="contact";
include 'sidebar.php'; ?>
</div>
<div id="content">
<div class="content-wrapper">
<div class="container-fluid">
<div class="row">
<div class="col-md-12 lg-12 sm-12">
<h1 class="page-title">Update Contact Info</h1>
</div>
</div>
<hr>
<?php if(isset($_POST['update'])) {
$address=$_POST['address'];
$number=$_POST['email'];
$email=$_POST['contactno'];
$conn=mysqli_connect("localhost","root","","blood_donation") or die("Connection error");
$sql= "update contact_info set contact_address='{$address}', contact_mail='{$email}', contact_phone='{$number}' where contact_id='1'";

```

```

$result=mysqli_query($conn,$sql) or die("query unsuccessful.");
echo '<div class="alert alert-success"><b>Contact Details Updated Successfully.</b></div>';
mysqli_close($conn);
}
?>
<div class="row">
<div class="col-md-10">
<div class="panel panel-default">
<div class="panel-heading">Contact Details</div>
<div class="panel-body">
<form method="post" name="change_contact" class="form-horizontal">
<div class="form-group">
<label class="col-sm-4 control-label"> Address</label>
<div class="col-sm-8">
<textarea class="form-control" name="address" id="address" required></textarea>
</div>
</div>
<div class="form-group">
<label class="col-sm-4 control-label"> Email id</label>
<div class="col-sm-8">
<input type="email" class="form-control" name="email" id="email" value="" required>
</div>
</div>
<div class="form-group">
<label class="col-sm-4 control-label"> Contact Number </label>
<div class="col-sm-8">
<input type="text" class="form-control" value="" name="contactno" id="contactno" required>
</div>
</div>
<div class="hr-dashed"></div>
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4">
<button class="btn btn-primary" name="update" type="submit">Update</button>
</div></div></form></div></div></div></div></div>
<?php
} else {
echo '<div class="alert alert-danger"><b> Please Login First To Access Admin Portal.</b></div>';
?>
<form method="post" name="" action="login.php" class="form-horizontal">
<div class="form-group">
<div class="col-sm-8 col-sm-offset-4" style="float:left">
<button class="btn btn-primary" name="submit" type="submit">Go to Login Page</button>
</div>
</div>
</form>
<?php }
?>
</body>
</html>

```

## SQL DATABASE CODE

```
create database blood_donation;
use blood_donation;
create table donor_details(
donor_id int auto_increment NOT NULL,
donor_name varchar(50) NOT NULL,
donor_number varchar(10) NOT NULL,
donor_mail varchar(50),
donor_age int(60) NOT NULL,
donor_gender varchar(10) NOT NULL,
donor_blood varchar(10) NOT NULL,
donor_address varchar(100) NOT NULL,
Primary key(donor_id)
);
create table admin_info(
admin_id int(10) NOT NULL UNIQUE AUTO_INCREMENT,
admin_name varchar(50) NOT NULL,
admin_username varchar(50) NOT NULL UNIQUE,
admin_password varchar(50) NOT NULL,
Primary key(admin_id)
);
insert into admin_info(admin_name,admin_username,admin_password)
values("Suryasen","imsuryasen",suryasen);
create table blood(
blood_id int auto_increment Not Null,
blood_group varchar(10) NOT NULL,
primary key(blood_id)
);
insert into blood(blood_group)
values("B+"),("B-"),("A+"),("O+"),("O-"),("A-"),("AB+"),("AB-");
create table pages(
page_id int NOT NULL auto_increment UNIQUE,
page_name varchar(255) NOT NULL,
page_type varchar(255) NOT NULL,
page_data longtext NOT NULL
);
ALTER TABLE pages
MODIFY COLUMN page_type varchar(50) UNIQUE;
create table contact_info(
contact_id int auto_increment Not Null,
contact_address varchar(100) NOT NULL,
contact_mail varchar(50) NOT NULL,
contact_phone varchar(100) NOT NULL,
primary key(contact_id)
);
insert into contact_info(contact_address,contact_mail,contact_phone)
values("Chennai, TamilNadu(603203)","bloodbank@gmail.com","9799080677");

INSERT INTO pages (page_id, page_name, page_type, page_data) VALUES
(2, 'Why Become Donor', 'donor', '<span style="color: rgb(0, 0, 0); font-family: &quot;Open Sans&&quot;; Arial, sans-serif; font-size: 14px; text-align: justify;">Blood is the most precious gift that anyone can give to another person — the gift of life. A decision to donate your blood can save a life,
```

or even several if your blood is separated into its components — red cells, platelets and plasma — which can be used individually for patients with specific conditions. Safe blood saves lives and improves health. Blood transfusion is needed for:

1) women with complications of pregnancy, such as ectopic pregnancies and haemorrhage before, during or after childbirth.

2) children with severe anaemia often resulting from malaria or malnutrition.

3) people with severe trauma following man-made and natural disasters.

4) many complex medical and surgical procedures and cancer patients.

It is also needed for regular transfusions for people with conditions such as thalassaemia and sickle cell disease and is used to make products such as clotting factors for people with haemophilia. There is a constant need for regular blood supply because blood can be stored for only a limited time before use. Regular blood donations by a sufficient number of healthy people are needed to ensure that safe blood will be available whenever and wherever it is needed.</span>'),

(3, 'About Us ', 'aboutus', '<span style="color: rgb(0, 0, 0); font-family: "Open Sans"; Arial, sans-serif; text-align: justify;">Blood bank is a place where blood bag that is collected from blood donation events is stored in one place. The term "blood bank" refers to a division of a hospital laboratory where the storage of blood product occurs and where proper testing is performed to reduce the risk of transfusion related events . The process of managing the blood bag that is received from the blood donation events needs a proper and systematic management. The blood bag must be handled with care and treated thoroughly as it is related to someone's life. The development of Web-based Blood Bank And Donation Management System (BBDMS) is proposed to provide a management functional to the blood bank in order to handle the blood bag and to make entries of the individuals who want to donate blood and who are in need.</span>');

INSERT INTO pages (page\_id, page\_name, page\_type, page\_data) VALUES

(4, 'The Need For Blood', 'needforblood', '<span style="color: rgb(0, 0, 0); font-family: "Open Sans"; Arial, sans-serif; text-align: justify;">There are many reasons patients need blood. A common misunderstanding about blood usage is that accident victims are the patients who use the most blood. Actually, people needing the most blood include those:

1) Being treated for cancer<br>

2) Undergoing orthopedic surgeries<br>

3) Undergoing cardiovascular surgeries<br>

4) Being treated for inherited blood disorders</span>');

INSERT INTO pages (page\_id, page\_name, page\_type, page\_data) VALUES

(5, 'Blood Tips', 'bloodtips', '<span style="color: rgb(0, 0, 0); font-family: "Open Sans"; Arial, sans-serif; text-align: justify;">

1) You must be in good health. <br>

2) Hydrate and eat a healthy meal before your donation.<br>

3) You're never too old to donate blood. <br>

4) Rest and relaxed.<br>

5) Don't forget your FREE post-donation snack.

</span>'),

(6, 'Who you could Help', 'whoyouhelp', '<span style="color: rgb(0, 0, 0); font-family: "Open Sans"; Arial, sans-serif; text-align: justify;">

Every 2 seconds, someone in the World needs blood. Donating blood can help:

1) People who go through disasters or emergency situations.<br>

2) People who lose blood during major surgeries.<br>

3) People who have lost blood because of a gastrointestinal bleed.<br>

4) Women who have serious complications during pregnancy or childbirth.<br>

5) People with cancer or severe anemia sometimes caused by thalassemia or sickle cell disease.<br></span>');

```

INSERT INTO pages (page_id, page_name, page_type, page_data) VALUES
('7','Blood Groups','bloodgroups','<span style="color: rgb(0, 0, 0); font-family: "Open Sans"; Arial, sans-serif; text-align: justify;">
<p> Blood group of any human being will mainly fall in any one of the following groups.</p>
<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>
<p>Your blood group is determined by the genes you inherit from your parents.<br>
A healthy diet helps ensure a successful blood donation, and also makes you feel better!
</p>

</span>'),
('8','Universal Donors And Recipients','universal','<span style="color: rgb(0, 0, 0); font-family: "Open Sans"; Arial, sans-serif; text-align: justify;">
<p>
The most common blood type is O, followed by type A.

Type O individuals are often called "universal donors" since their blood can be transfused into persons with any blood type. Those with type AB blood are called "universal recipients" because they can receive blood of any type.</p>

For emergency transfusions, blood group type O negative blood is the variety of blood that has the lowest risk of causing serious reactions for most people who receive it. Because of this, it's sometimes called the universal blood donor type.

</span>');

update pages
set page_data='<span style="color: rgb(0, 0, 0); font-family: "Open Sans"; Arial, sans-serif; font-size: 14px; text-align: justify;">Blood is the most precious gift that anyone can give to another person — the gift of life. A decision to donate your blood can save a life, or even several if your blood is separated into its components — red cells, platelets and plasma — which can be used individually for patients with specific conditions. Safe blood saves lives and improves health. Blood transfusion is needed for:
<ul><li>women with complications of pregnancy, such as ectopic pregnancies and haemorrhage before, during or after childbirth.
</li><li>children with severe anaemia often resulting from malaria or malnutrition.
</li><li>people with severe trauma following man-made and natural disasters.
</li><li>many complex medical and surgical procedures and cancer patients.</li></ul>
<br>It is also needed for regular transfusions for people with conditions such as thalassaemia and sickle cell disease and is used to make products such as clotting factors for people with haemophilia. There is a constant need for regular blood supply because blood can be stored for only a limited time before use. Regular blood donations by a sufficient number of healthy people are needed to ensure that safe blood will be available whenever and wherever it is needed.</span>' 
where page_type="donor";
/*create table contact_query in which all querier inforamation gets stored.*/
create table contact_query(
query_id int auto_increment Not Null,
query_name varchar(100) NOT NULL,

```

```

query_mail varchar(120) NOT NULL,
query_number char(11) NOT NULL,
query_message longtext NOT NULL,
query_date timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
query_status int(11) DEFAULT NULL,
Primary key(query_id)
);
alter table contact_query modify column query_date
timestamp DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP;

insert into contact_query (query_name,query_mail,query_number,query_message) values
("Suraj","suraz1482@gamil.com","7488509032","I need AB+ Blood.");

update contact_query set query_status="1" where query_id="1";

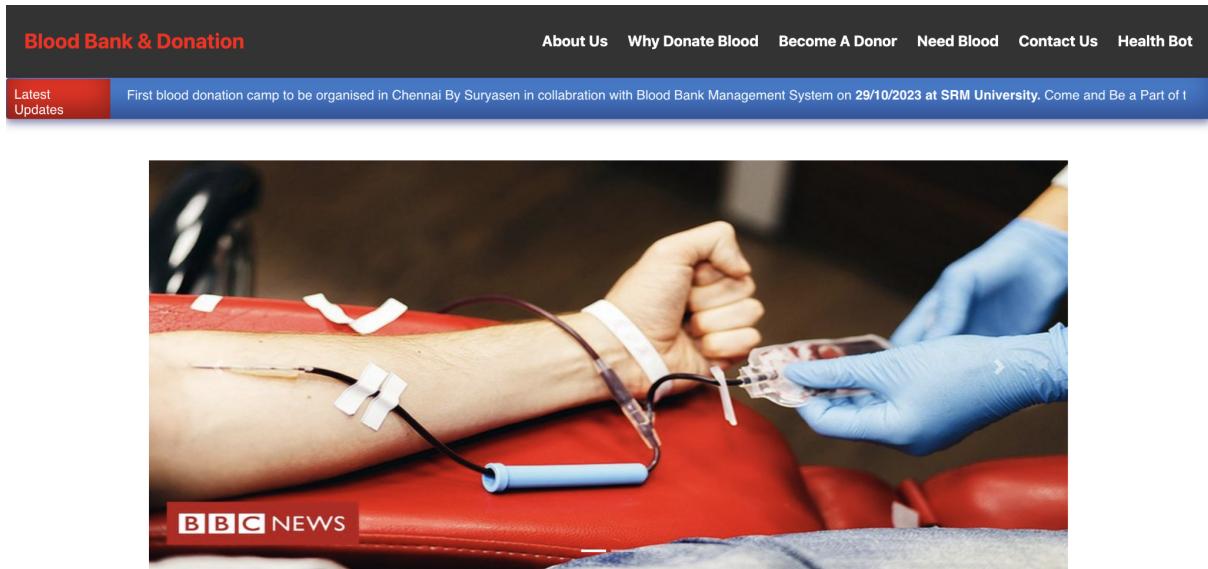
/*create table query_stat in which query status is stored.*/
CREATE TABLE query_stat(
id INT NOT NULL Unique,
query_type VARCHAR(45) NOT NULL,
PRIMARY KEY (id)
);
insert into query_stat(id,query_type)
values('1','Read'),
('2','Pending');

```

# CHAPTER 5

## RESULTS - Website, Database and Azure Service

### Home Screen Page - User Panel



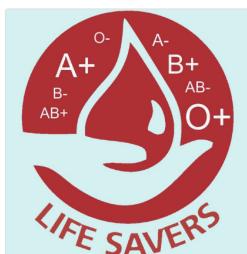
### Welcome to BloodBank & Donor Management System

The need for blood      Blood Tips      Who you could Help

### Welcome to BloodBank & Donor Management System

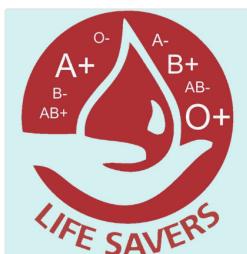
The need for blood	Blood Tips	Who you could Help
There are many reasons patients need blood. A common misunderstanding about blood usage is that accident victims are the patients who use the	1) You must be in good health. 2) Hydrate and eat a healthy meal before your donation. 3) You're never too old to donate blood.	Every 2 seconds, someone in the World needs blood. Donating blood can help: 1) People who go through disasters or emergency situations.

### Blood Donor Names



Chandrasen

Blood Group : O+  
Mobile No. : 7488509032  
Gender : Male  
Age : 19



Suryasen

Blood Group : AB+  
Mobile No. : 9799080677  
Gender : Male  
Age : 22

## BLOOD GROUPS

Blood group of any human being will mainly fall in any one of the following groups.

- A positive or A negative
- B positive or B negative
- O positive or O negative
- AB positive or AB negative.

Your blood group is determined by the genes you inherit from your parents.

A healthy diet helps ensure a successful blood donation, and also makes you feel better!



## UNIVERSAL DONORS AND RECIPIENTS

[Become a Donor](#)

The most common blood type is O, followed by type A. Type O individuals are often called "universal donors" since their blood can be transfused into persons with any blood type. Those with type AB blood are called "universal recipients" because they can receive blood of any type.

For emergency transfusions, blood group type O negative blood is the variety of blood that has the lowest risk of causing serious reactions for most people who receive it. Because of this, it's sometimes called the universal blood donor type.

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HEALTH BOT**

Hi! How can I help?

A minute ago

Hi

A minute ago

The following symptoms have been registered:

• Fever

To assess the reported symptoms we need to collect some additional information.

The following symptoms were reported in similar cases. Do you have any of these symptoms?

Type your message

## About Us Page

[Blood Bank & Donation](#)

[About Us](#) [Why Donate Blood](#) [Become A Donor](#) [Need Blood](#) [Contact Us](#) [Health Bot](#)

### About Us

Blood bank is a place where blood bag that is collected from blood donation events is stored in one place. The term "blood bank" refers to a division of a hospital laboratory where the storage of blood product occurs and where proper testing is performed to reduce the risk of transfusion related events. The process of managing the blood bag that is received from the blood donation events needs a proper and systematic management. The blood bag must be handled with care and treated thoroughly as it is related to someone's life. The development of Web-based Blood Bank And Donation Management System (BBDM) is proposed to provide a management functional to the blood bank in order to handle the blood bag and to make entries of the individuals who want to donate blood and who are in need.



#### ONLINE BLOOD DONATION MANAGEMENT SYSTEM

- \* BLOOD GROUP MANAGEMENT
  - \* BLOOD DONOR MANAGEMENT
  - \* BLOOD REQUEST MANAGEMENT
  - \* DONOR STATISTICS
  - \* REQUEST STATISTICS
- FRONTEND SHORTCODE**
- \* DONOR REGISTRATION
  - \* REQUEST REGISTRATION
  - \* DISPLAY BLOOD REQUEST

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HEALTH BOT**

## Why Donate Blood Page

Blood Bank & Donation

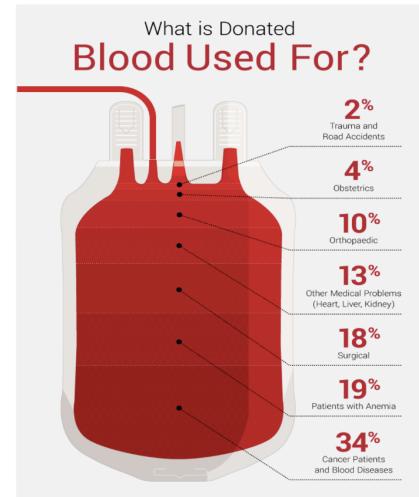
About Us Why Donate Blood Become A Donor Need Blood Contact Us Health Bot

### Why Should I Donate Blood ?

Blood is the most precious gift that anyone can give to another person — the gift of life. A decision to donate your blood can save a life, or even several if your blood is separated into its components — red cells, platelets and plasma — which can be used individually for patients with specific conditions. Safe blood saves lives and improves health. Blood transfusion is needed for:

- women with complications of pregnancy, such as ectopic pregnancies and haemorrhage before, during or after childbirth.
- children with severe anaemia often resulting from malaria or malnutrition.
- people with severe trauma following man-made and natural disasters.
- many complex medical and surgical procedures and cancer patients.

It is also needed for regular transfusions for people with conditions such as thalassaemia and sickle cell disease and is used to make products such as clotting factors for people with haemophilia. There is a constant need for regular blood supply because blood can be stored for only a limited time before use. Regular blood donations by a sufficient number of healthy people are needed to ensure that safe blood will be available whenever and wherever it is needed.



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HEALTH BOT

## Become A Donor Page

Blood Bank & Donation

About Us Why Donate Blood Become A Donor Need Blood Contact Us Health Bot

### Donate Blood

Full Name\*

Mobile Number\*

Email Id

Age\*

Gender\*

Blood Group\*

Address\*

Submit

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HEALTH BOT

## Need Blood Page

Blood Bank & Donation

About Us Why Donate Blood Become A Donor Need Blood Contact Us Health Bot

### Need Blood

Blood Group\*

Reason, why do you need blood?\*

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**HEALTH BOT**

Enter the blood group needed and the reason

Blood Bank & Donation

About Us Why Donate Blood Become A Donor Need Blood Contact Us Health Bot

### Need Blood

Blood Group\*

Reason, why do you need blood?\*

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**HEALTH BOT**

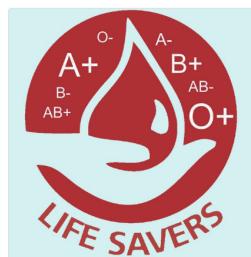
Filtered Donors based on the blood group in need

## Need Blood

Blood Group\*

Select

Reason, why do you need blood?\*



Suryasen

Blood Group : AB+  
Mobile No. : 9799080677  
Gender : Male  
Age : 22  
Address : Chennai

## Contact Us Page

Blood Bank & Donation

About Us Why Donate Blood Become A Donor Need Blood Contact Us Health Bot

### Contact

#### Send us a Message

Full Name:

Phone Number:

Email Address:

Message:

#### Contact Details

Address :

Chennai, TamilNadu(603203)

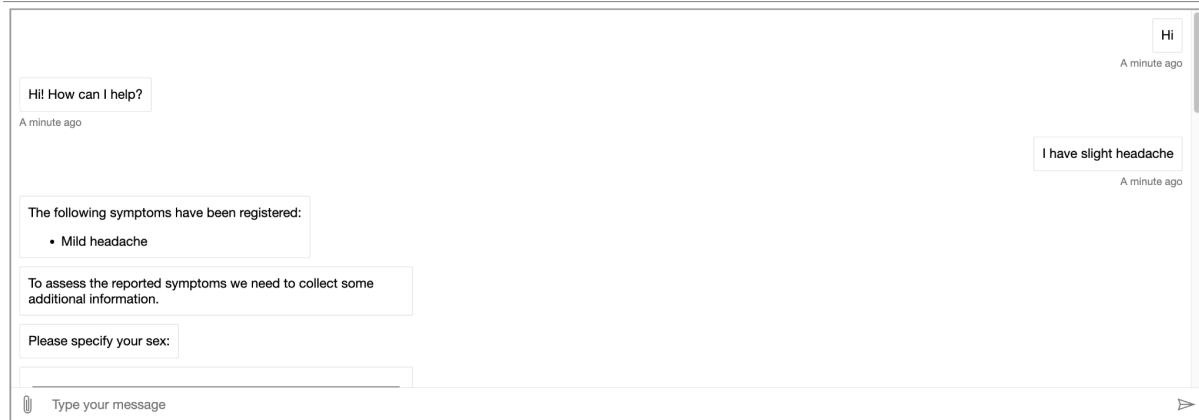
Contact Number :

9799080677

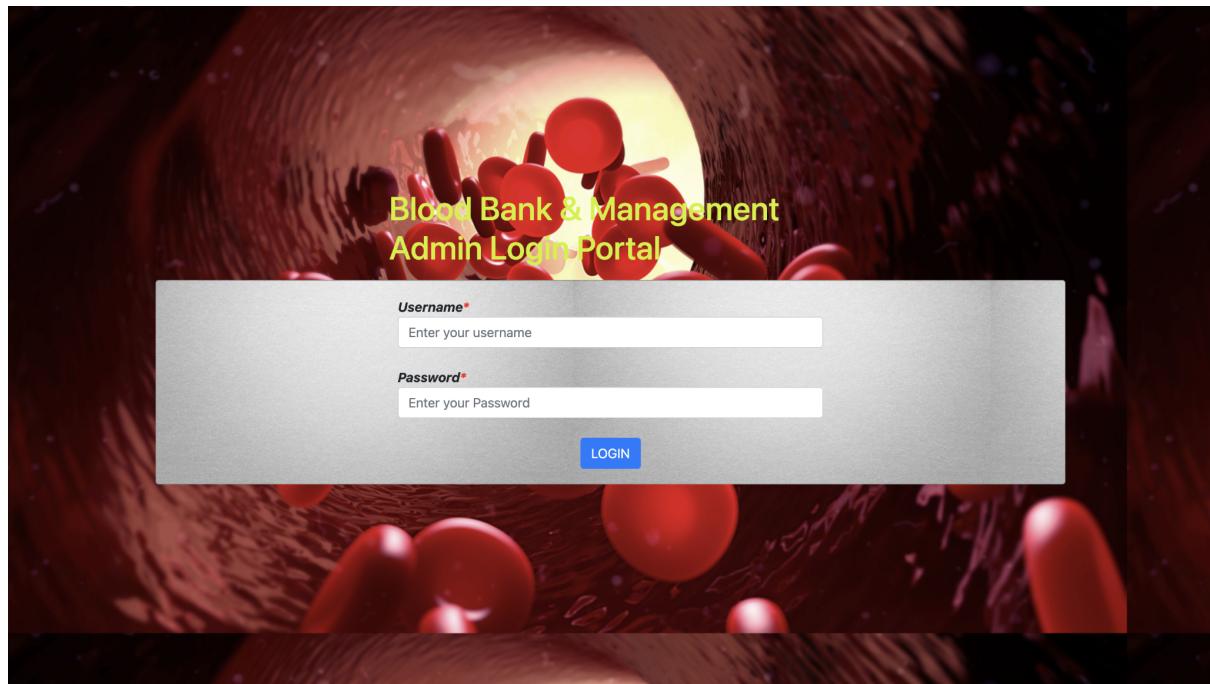
Email:

[bloodbank@gmail.com](mailto:bloodbank@gmail.com)

## Health Bot Page



## Admin Login Page - Admin Panel



## Admin Dashboard Page

Blood Bank & Donation Admin Panel

Hello Suryasen -

Dashboard

- Dashboard
- Add Donor
- Donor List
- Check Contactus Query
- Manage Pages
- Update Contact Info

2 BLOOD DONORS AVAILABLE

1 ALL USER QUERIES

0 PENDING QUERIES

## Change Password Page

Blood Bank & Donation Admin Panel

Hello Suryasen -

Change Password

Password Fields

Current Password	<input type="text"/>
New Password	<input type="text"/>
Confirm Password	<input type="text"/>

- Dashboard
- Add Donor
- Donor List
- Check Contactus Query
- Manage Pages
- Update Contact Info

## Add Donor Page

Blood Bank & Donation Admin Panel

Hello Suryasen -

Dashboard

**Add Donor**

Donor List

Check Contactus Query

Manage Pages

Update Contact Info

### Add Donor

Full Name\*

Mobile Number\*

Email Id

Age\*

Gender\*  Select

Blood Group\*  Select

Address\*

Submit

## Donor List Page

Blood Bank & Donation Admin Panel

Hello Suryasen -

Dashboard

**Add Donor**

Donor List

Check Contactus Query

Manage Pages

Update Contact Info

### Donor List

S.no	Name	Mobile Number	Email Id	Age	Gender	Blood Group	Address	Action
1	Suryasen	9799080677	myselfsuryasen@gmail.com	22	Male	AB+	Chennai	<a href="#">DELETE</a>
2	Chandrasen	7488509032	myselfchandrasen@gmail.com	19	Male	O+	Hyderabad	<a href="#">DELETE</a>

1

## Check Contact Us Query Page

Blood Bank & Donation Admin Panel

Hello Suryasen -

- Dashboard
- Add Donor
- Donor List
- Check Contactus Query** (highlighted)
- Manage Pages
- Update Contact Info

### User Query

The page displays a large, empty white area intended for displaying user queries.

## Manage Pages Page

Blood Bank & Donation Admin Panel

Hello Suryasen -

- Dashboard
- Add Donor
- Donor List
- Check Contactus Query**
- Manage Pages** (highlighted)
- Update Contact Info

### Manage Page Data

S.no	Page Name	Page Type	Page Data	Edit Page
1	Why Become Donor	donor	<p>Blood is the most precious gift that anyone can give to another person — the gift of life. A decision to donate your blood can save a life, or even several if your blood is separated into its components — red cells, platelets and plasma — which can be used individually for patients with specific conditions. Safe blood saves lives and improves health. Blood transfusion is needed for:</p> <ul style="list-style-type: none"><li>women with complications of pregnancy, such as ectopic pregnancies and haemorrhage before, during or after childbirth.</li><li>children with severe anaemia often resulting from malaria or malnutrition.</li><li>people with chronic diseases following organ transplants and medical treatments.</li></ul>	<input checked="" type="checkbox"/>
2	About Us	aboutus	<p>Blood bank is a place where blood bag that is collected from blood donation events is stored in one place. The term "blood bank" refers to a division of a hospital laboratory where the storage of blood product occurs and where proper testing is performed to reduce the risk of transfusion related events . The process of managing the blood bag that is received from the blood donation events needs a proper and systematic management. The blood bag must be handled with care and treated thoroughly as it is related to someone's life. The development of Web-based Blood</p>	<input checked="" type="checkbox"/>
3	The Need For Blood	needforblood	<p>There are many reasons patients need blood. A common misunderstanding about blood usage is that accident victims are the patients who use the most blood. Actually, people needing the most blood include those: 1) Being treated for cancer 2) Undergoing orthopedic surgeries 3) Undergoing cardiovascular surgeries</p>	<input checked="" type="checkbox"/>

1 2 3 Next

## Update Contact Info Page

The screenshot shows the 'Blood Bank & Donation Admin Panel' interface. On the left, a sidebar menu lists several options: Dashboard, Add Donor, Donor List, Check Contactus Query, Manage Pages, and Update Contact Info. The 'Update Contact Info' option is highlighted with a green background. The main content area is titled 'Update Contact Info' and contains a form titled 'Contact Details'. The form includes fields for Address, Email id, and Contact Number, each with a corresponding input box. Below the input boxes is a blue 'Update' button.

## Azure Health Bot Statistics

The screenshot shows the 'Azure Health Bot - docuentohealthbot' statistics dashboard. On the left, a sidebar navigation menu includes Scenarios, Healthcare Intelligence, Language, Configuration, Integration, Analytics (with sub-options like Reports and Feedback), Unrecognized Utterances, Conversation Logs, Users, and Resources. The main content area is titled 'Reports' and features two bar charts. The first chart, 'Messages', shows daily message counts from Oct 23 to Oct 29. The second chart, 'Unique Users', shows unique user counts for the same period. A legend indicates that blue bars represent 'User' and magenta bars represent 'docuentohealthbot'. A dropdown menu for the time range is set to '7 days'.

Date	User	docuentohealthbot
Oct 23	28	37
Oct 24	66	55
Oct 25	44	33
Oct 26	22	11
Oct 27	0	0
Oct 28	0	0
Oct 29	0	0

Date	Unique Users
Oct 23	1
Oct 24	1
Oct 25	1
Oct 26	1
Oct 27	1
Oct 28	1
Oct 29	1

## Azure Storage Account

The screenshot shows the Azure Storage Accounts blade. On the left, a navigation pane lists 'Storage accounts' under 'Default Directory'. It includes sections for 'Create', 'Restore', 'Overview', 'Activity log', 'Tags', 'Diagnose and solve problems', 'Access Control (IAM)', 'Data migration', 'Events', 'Storage browser', 'Storage Mover', 'Containers', 'File shares', 'Queues', and 'Tables'. A search bar at the top is set to 'bloodbankmngtssystem'. The main area displays the 'bloodbankmngtssystem' storage account details. The 'Essentials' section shows the resource group ('Blood Bank Management System'), location ('East US'), primary/secondary location ('Primary: East US, Secondary: West US'), subscription ('Azure for Students'), account kind ('Standard'), replication ('Read-access geo-redundant storage (RA-GRS)'), provisioning state ('Succeeded'), and creation date ('23/10/2023, 18:08:59'). The 'Properties' tab is selected, showing blob service settings like 'Hierarchical namespace' (disabled), 'Default access tier' (Hot), and security settings for REST API operations and storage account key access. The 'Monitoring', 'Capabilities (7)', 'Recommendations (0)', 'Tutorials', and 'Tools + SDKs' tabs are also present.

The screenshot shows the Azure Storage Containers blade. The left navigation pane shows the 'bloodbankmngtssystem' storage account and the 'bloodbankmanagementssystemfiles' container. The 'Overview' tab is selected. The 'Authentication method' is listed as 'Access key (Switch to Azure AD User Account)' and the 'Location' is 'bloodbankmanagementssystemfiles'. Below this is a search bar for blobs by prefix. The main area displays a table of blob contents. The columns are: Name, Modified, Access tier, Archive status, Blob type, Size, and Lease state. The table lists several files: admin, image, sql, about\_us.php, conn.php, contact\_us.php, donate\_blood.php, footer.php, head.php, health\_bot.php, home.php, need\_blood.php, README.md, savedata.php, and search\_blood\_group.php. Each file entry includes a checkbox, a preview thumbnail, and detailed metadata like modification date and size.

## phpMyAdmin Database : blood\_donation

The screenshot shows the phpMyAdmin interface for the 'blood\_donation' database. The left sidebar lists various databases and tables. The main area displays the structure of the 'admin\_info' table, which has 7 rows and a total size of 176.0 KiB. Below this, there is a 'Create new table' form and a 'Console' section.

Table	Action	Rows	Type	Collation	Size	Overhead
admin_info	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	48.0 KiB	-
blood	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	16.0 KiB	-
contact_info	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
contact_query	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
donor_details	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
pages	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	32.0 KiB	-
query_stat	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 KiB	-

## phpMyAdmin admin\_info

The screenshot shows the phpMyAdmin interface for the 'admin\_info' table within the 'blood\_donation' database. The table has one row with the following data:

admin_id	admin_name	admin_username	admin_password
1	Suryasen	imsuryasen	suryasen

Below the table, there is a 'Query results operations' section with options like Print, Copy to clipboard, Export, Display chart, and Create view. There is also a 'Bookmark this SQL query' section.

## phpMyAdmin blood

The screenshot shows the phpMyAdmin interface for the 'blood' database. The left sidebar lists databases and tables, including 'blood', 'blood\_bank\_database', and 'blood\_donation'. The 'blood' table is selected, displaying 8 rows of blood group data. The columns are 'blood\_id' and 'blood\_group'. The data is as follows:

blood_id	blood_group
1	B+
2	B-
3	A+
4	O+
5	O-
6	A-
7	AB+
8	AB-

Below the table, there are buttons for 'Edit', 'Copy', and 'Delete' for each row. The bottom section contains 'Query results operations' like Print, Copy to clipboard, Export, Display chart, and Create view.

## phpMyAdmin contact\_info

The screenshot shows the phpMyAdmin interface for the 'blood' database, specifically the 'contact\_info' table. The left sidebar lists databases and tables, including 'blood', 'blood\_bank\_database', and 'blood\_donation'. The 'contact\_info' table is selected, displaying 1 row of contact information. The columns are 'contact\_id', 'contact\_address', 'contact\_mail', and 'contact\_phone'. The data is as follows:

contact_id	contact_address	contact_mail	contact_phone
1	Chennai, TamilNadu(603203)	bloodbank@gmail.com	9799080677

Below the table, there are buttons for 'Edit', 'Copy', and 'Delete' for the single row. The bottom section contains 'Query results operations' like Print, Copy to clipboard, Export, Display chart, and Create view.

## phpMyAdmin contact\_query

The screenshot shows the phpMyAdmin interface for the 'contact\_query' table in the 'blood\_donation' database. The table has columns: query\_id, query\_name, query\_mail, query\_number, query\_message, query\_date, and query\_status. One row is displayed:

query_id	query_name	query_mail	query_number	query_message	query_date	query_status
1	Suraj	myselfsurasen@gmail.com	7488509032	I need AB+ Blood.	2023-10-23 14:07:47	1

## phpMyAdmin donor\_details

The screenshot shows the phpMyAdmin interface for the 'donor\_details' table in the 'blood\_donation' database. The table has columns: donor\_id, donor\_name, donor\_number, donor\_mail, donor\_age, donor\_gender, donor\_blood, and donor\_address. Two rows are displayed:

donor_id	donor_name	donor_number	donor_mail	donor_age	donor_gender	donor_blood	donor_address
1	Surasen	9799080677	myselfsurasen@gmail.com	22	Male	7	Chennai
2	Chandrasen	7488509032	myselfchandrasen@gmail.com	19	Male	4	Hyderabad

## phpMyAdmin pages

The screenshot shows the phpMyAdmin interface for the 'blood\_donation' database. The left sidebar lists various databases and tables, including 'blood', 'blood\_bank\_database', 'blood\_donation', 'information\_schema', 'mysql', 'performance\_schema', 'phpmyadmin', and 'test'. The 'pages' table is selected under the 'blood\_donation' database. The main area displays the results of the query: 'SELECT \* FROM `pages`'. The results table has columns: page\_id, page\_name, page\_type, and page\_data. The data shows 8 rows of information about different pages like 'Why Become Donor', 'About Us', 'The Need For Blood', etc.

page_id	page_name	page_type	page_data
2	Why Become Donor	donor	<span style="color: #000; font-family: &qu...>
3	About Us	aboutus	<span style="color: #000; font-family: &qu...>
4	The Need For Blood	needforblood	<span style="color: #000; font-family: &qu...>
5	Blood Tips	bloodtips	<span style="color: #000; font-family: &qu...>
6	Who you could Help	whoyouhelp	<span style="color: #000; font-family: &qu...>
7	Blood Groups	bloodgroups	<span style="color: #000; font-family: &qu...>
8	Universal Donors And Recipients	universal	<span style="color: #000; font-family: &qu...>

## phpMyAdmin query\_stat

The screenshot shows the phpMyAdmin interface for the 'blood\_donation' database. The left sidebar lists various databases and tables, including 'blood', 'blood\_bank\_database', 'blood\_donation', 'information\_schema', 'mysql', 'performance\_schema', 'phpmyadmin', and 'test'. The 'query\_stat' table is selected under the 'blood\_donation' database. The main area displays the results of the query: 'SELECT \* FROM `query\_stat`'. The results table has columns: id and query\_type. The data shows 2 rows: '1 Read' and '2 Pending'.

id	query_type
1	Read
2	Pending

## **CHAPTER 6**

### **CONCLUSION**

Hemo-Serve is a revolutionary blood bank management system that simplifies donor registration, tracks blood inventory in real-time, and ensures the timely availability of blood products. Developed with advanced web technologies and Azure's Health Bot, it streamlines processes and enhances donor engagement.

The user-friendly interface facilitates easy registration and maintains a centralized donor database for effective tracking. Real-time visibility of blood inventory empowers informed decisions and prevents shortages, with quick donor identification for urgent needs. It also streamlines blood transfer between banks, crucial in emergencies.

The integrated Azure Health chatbot supports health queries, providing personalized guidance, promoting informed decision-making, and enhancing donor preparedness. Hemo-Serve optimizes blood bank operations comprehensively.

## **CHAPTER 7**

### **REFERENCES**

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