

A PROJECT REPORT ON **BLOODBANK MANAGEMENT SYSTEM**



Submitted in partial fulfillment of the
BACHELOR IN COMPUTER APPLICATIONS
AT
JAMSHEDPUR CO-OPERATIVE COLLEGE
DEPARTMENT OF VOCATIONAL STUDIES

Under the guidance of
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JAMSHEDPUR**

DEPARTMENT OF VOCATIONAL STUDIES



CERTIFICATE OF INTERNAL GUIDE

This is to certify that Mr. Rahul Sharma bearing university Roll no. [redacted] and Registration No. [redacted] of session 2021 – 24 batch, has completed and submitted this project report under my guidance in partial fulfilment of the requirements for award of the degree of Bachelor of Computer Application at Jamshedpur Co-Operative College, Jamshedpur. To the best of my knowledge and belief, this project report has been prepared by the student and has not been submitted to any other institute or university for the award of any degree or diploma.

Date :

Place : Jamshedpur

Signature of the internal Guide

Name : Mr. Swaroop Mishra

Designation : Prof. Dept. of

Computer Application

JAMSHEDPUR CO-OPERATIVE COLLEGE, JAMSHEDPUR.

DEPARTMENT OF VOCATIONAL



CERTIFICATE

This is to certify that the project entitled, " **BLOODBANK MANAGMENT
SYSTEM**",

is work of ADITYA SHARMA bearing **Registration No.** – [REDACTED]

& University Roll No. – [REDACTED] submitted in partial fulfilment of the
requirements for the award of degree of **BACHELOR OF COMPUTER
APPLICATIONS (BCA)** from **JAMSHEDPUR CO-OPERATIVE
COLLEGE, JAMSHEDPUR.**

Signature of Internal Examiner

Name :

Designation :

Date :

Signature of External Examiner

Name :

Designation :

DECLARATION

I am [REDACTED] student of Jamshedpur Co-operative College of BCA 2021-2024, hereby declare that we have completed our Internship project training on “BLOODBANK MANAGEMENT SYSTEM”.

The information submitted is true & original to the best of our knowledge.

Thanks and Regards.

ABSTRACT

This report specifies the various processes and techniques used in gathering requirements, designing, implementing and testing for the project on Hospital management system. The problems regarding the current system in the Hospital were analysed and noted.

Using the various resources and tools we gathered along the way, we implemented the Hospital Management system using some features that solve the current problems in the system such as a provision to keep record of patient detail, Date of admission, Date or discharge. The software was also tested using the various testing methods and results were positive.

ACKNOWLEDGEMENT

This project has been made possible through the direct and indirect Corporation of various persons, who have inspired me at every step of my work. It is a matter of pride for me to acknowledge my profound gratitude to my esteemed project guide Mr. Subodh Kumar for his valuable corporation and guidance.

We are thankful to respected DR. AMAR SINGH (Principal of Jamshedpur Co-Operative College, Jamshedpur) for giving us opportunity to do this project.

We also thankful to respected DR. PRABHAT KUMAR SINGH (Coordinator of Department of vocational Studies) whose energetic support, guidance and inspiration gave us a path to the success of this project.

Only the expression of 'THANKS' can't appreciate these wonderful and kindly natured who contributed their best efforts to help us.

Thank you to all with honour.

- 

ABSTRACT

Blood Bank Management System is a web-based application. The entire project was developed with distributed client server computing technology in mind. Through this application anyone interested in donating blood can register through this website. Moreover, any general patients can request blood through this site.

Admin is the main authority who can do addition, deletion and modification if required. The project has been planned to be having view of distributed architecture with centralized storage of the database.

This website has been developed using the HTML, CSS, JavaScript and bootstrap for the Front End and for backend I have used My SQL Server and PHP.

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CHAPTER 1

INTRODUCTION

Overview

Blood Bank Management is a browser-based system that is designed to store, process, retrieve and analyse blood related information. This project aims at maintaining all the information pertaining to blood donors, different blood group available in this blood bank and help them to manage in a better way. This website provides the user or the donors a secured environment by accepting the log in ID's and password from the user.

This application allows the user to store the donor details as soon as the donor is registered. The admin will check the donor registered details if only he/ she is capable for donating the blood then only the donor can donate the blood at their registered centres. Before that the admin will send message or notification to donor registered mobile number or email.

1.2.1. General Overview of the Problem

The problems are:

- Tracking the database was complicated when the details are maintained manually.
- It is time consuming and space consuming.
- Scarcity of rare bloods.
- Unavailability of blood during emergency.
- Less awareness among people about blood donation and blood transfusion.

Feasibility study

Feasibility study aims to uncover the strength and weaknesses of the proposed project objectively and rationally. A feasibility study analyses the viability of a project to determine whether the project or venture is likely to succeed. The study is also designed to identify potential issues and problems that could arise while pursuing the project.

Technical feasibility

All the member of the group is familiar with PHP, so it helped us to work upon this project.

Schedule feasibility

The project has been chosen keeping in mind the scheduling of the project. The estimated time is feasible to complete the project.

Company Profile

Sikharthy Infotech Private Limited is a Web Development Company in Kolkata. Which provide Website Development. Website Designing, content Development, and Digital Marketing services in Kolkata. Sikharthy Infotech has a dedicated and highly-skilled team of resources for all kinds of assistance.

Sikharthy Infotech Private Limited has a Skill Development wing where students and freshers are getting skilled to join the IT sector. Today, many of the trained candidate are working with different MNCs like TCS, CTS, ITC Infotech and many

CHAPTER 2

LITERATURE REVIEW

Introduction

India suffers from an annual deficit of two million units, as only 1% of the Indian population donates blood as stated by the World Health Organization (WHO). Due to substandard medical facilities and practices in many parts of the country, there have been cases of transmission of infectious diseases like AIDS. The need for blood is increasing along with its importance for treating various medical conditions. There are three main components of blood; plasma, platelet, and RBC/WBC. Especially during this covid pandemic, we're seeing a huge spike in the requirement of blood plasma from the patients who were recovered from covid-19 as their Convalescent Plasma now contains covid-19 antibodies.

Methodology:

The methodology chosen to develop the Blood bank system is the Rational Unified Process (RUP) from IBM developer works. RUP is a multi-layered adaptive process designed for software project teams that use their process elements as they scale up.

Problem:

- Cannot identify all the factors that affect blood. Like power failure, natural disasters, transport accidents.
- It is difficult to predict the uncertainty in the requirements for major road accidents.
- Large quantities of blood are being wasted.

Enhancing blood transfusion safety through the use of online blood bank management system -Shinas college of technology

Introduction

Blood transfusion safety remains an important public health concern in Oman. The availability of blood products of all blood types and the provision of its safety ensure public trust of its excellent healthcare system. However, lack of availability of these blood products and provision of unsafe blood products still impacts morbidity and mortality in the Sultanate. Through the use of online blood bank management system, blood transfusion safety is expected to be enhanced or improved. Risks on improper blood donors' documentation, and misplaced records can be minimized or totally avoided.

Methodology:

the researchers used both descriptive research and experimental research methodology. The study was descriptive because it describes the nature of the situations it exists at the time of study.

Problems:

- Blood donors and patients or recipients of blood donation are not system user, their registration or information will be encoded by the blood bank receptionists.

***2.1.3 The Prospect and Significance of Lifeline: E-Blood Bank System- F.O. Umar,
L. E. Ismaila, I. A. Umar***

Introduction

the requirements for the blood are an important factor in the contemporary medicine and the health care. For every second there will be an individual who needs blood to save life. Blood transfusion is a lifesaving intervention that has an essential role in the total patient management within health care system. Over 4 million people are affected with infected with human immune virus by unsafe blood transfusion, 99% of 500,000 women die yearly with haemorrhage during pregnancy of childbirth

Methodology:

Data were collected using a self-administered survey distributed through the internet.

Problems:

- Integration of some additional functionalities in the system for better services.

CHAPTER 3

PROBLEM STATEMENT

Overview of Problem

The percentage of people donating blood is increasing day by day due to awareness to donate blood for those needed. The blood received have to be managed thoroughly so that there will be no negative effect to the blood receiver once they received blood. The use of paperwork in handling this process could lead to human error, many papers may end up in the wrong hands and doing this paperwork is time consuming. A few current systems lack that there is no interaction medium between blood bank and the public to announce the blood donations schedule. The blood donation schedule should be advertised to the public so that they are aware of the blood donation campaign period. Another challenge is that the project is aimed at setting up a donor and patients' information through password protected system, so that no outsiders can see the personal details of the donors or the patients.

MOTIVATION

- The primary concern of this Blood Bank Management System project is to make a system which will help any blood bank or hospitals to maintain the donors' details, blood groups etc.
- It will take lots of time to maintain the record manually.

3.2. OBJECTIVES

- Provides the searching facilities based on the various factors. Such as Blood, Blood Bank, Blood Group, stock.
- It tracks all the information of donor, blood cells, blood bank etc.
- Manage the information of donors.
- Manage the information of blood.

CHAPTER 4

METHODOLOGY

Entity relationship diagram

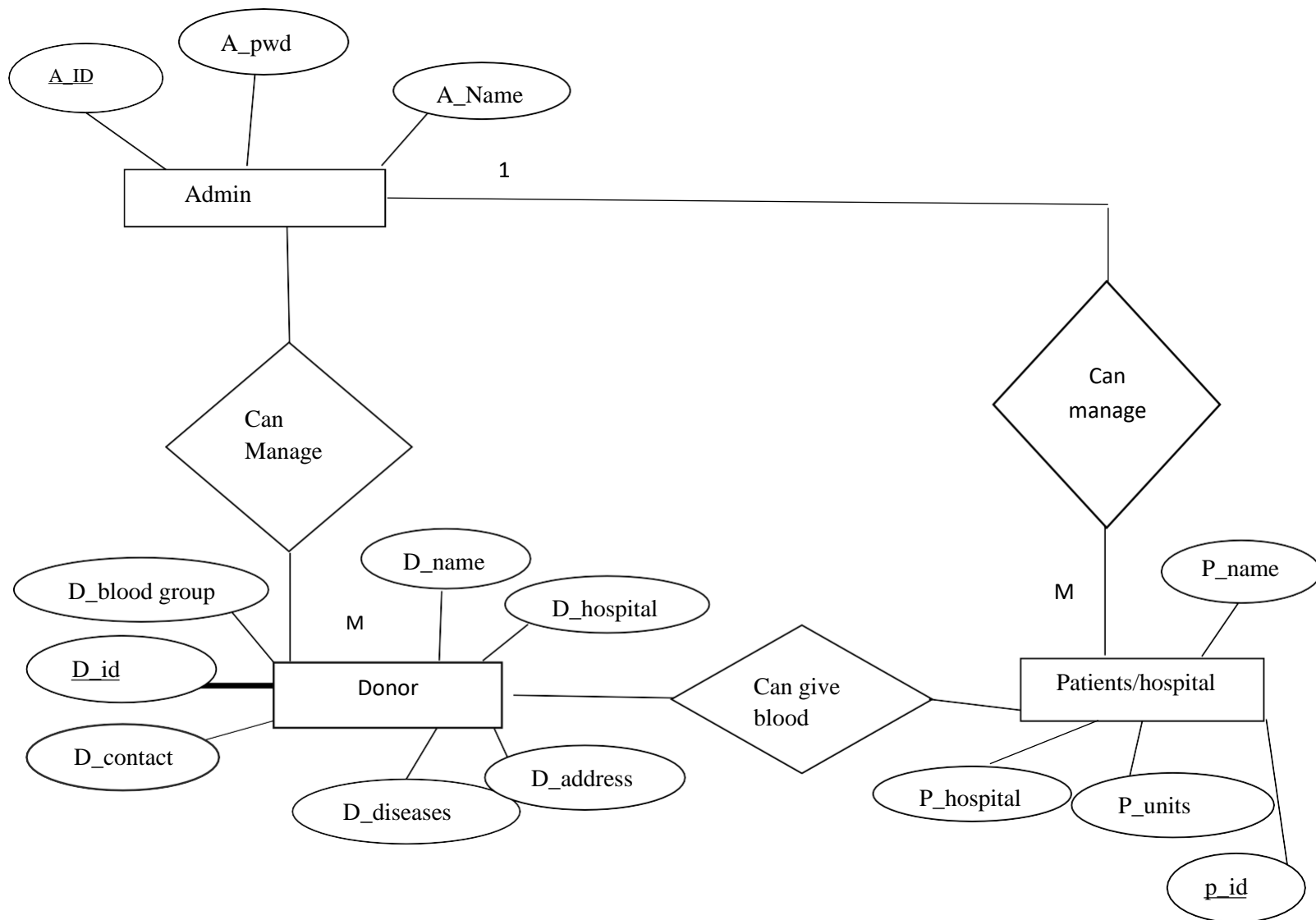


Fig: 4.1 Entity Relationship Diagram

In the Fig no 4.1 ER diagram of Blood bank management system

We have ER diagram that has 3 different entities and each entity have its own-own attributes and relationship between them.

The first entities we have are Admin and its attributes are: A_ID, A_name, A_password. Here A_ID is the “primary key”

The second entities we have are Donor and its attributes are: D_id, D_hospital, D_name, D_diseases, D_dob, D_blood group, D_address, D_contact. Here D_id is the primary key.

The relationship between both the entities is “can manage” that is admin can manage the donor and the patients/hospital.

The third entities we have is patients/hospital and its attributes are as follow: P_id, P_name, P_hospital, P_units. Here the primary key is P_id .

The relationship between an admin and hospital/patients’ entities is “can manage” that is admin can manage the patients or the hospitals.

The relation between the donor and patients is “can give blood” that is the donor can give blood to the patients/hospital.

Relational schema Diagram

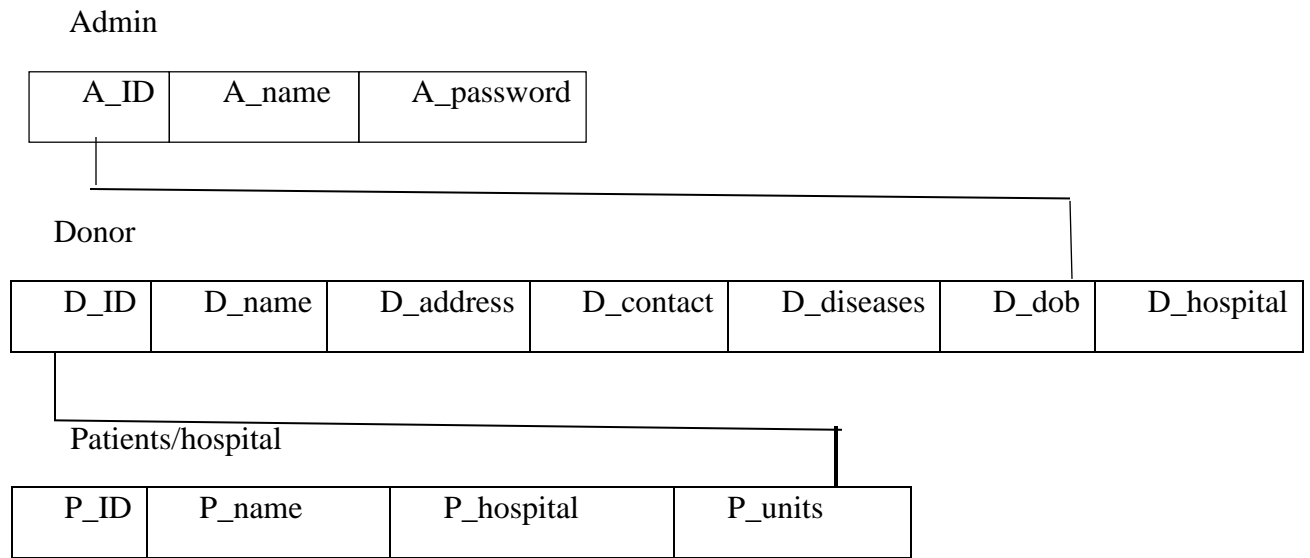


Fig: 4.2 Relational Schema Diagram

Data Flow Diagram LEVEL 0 DFD (Context level)

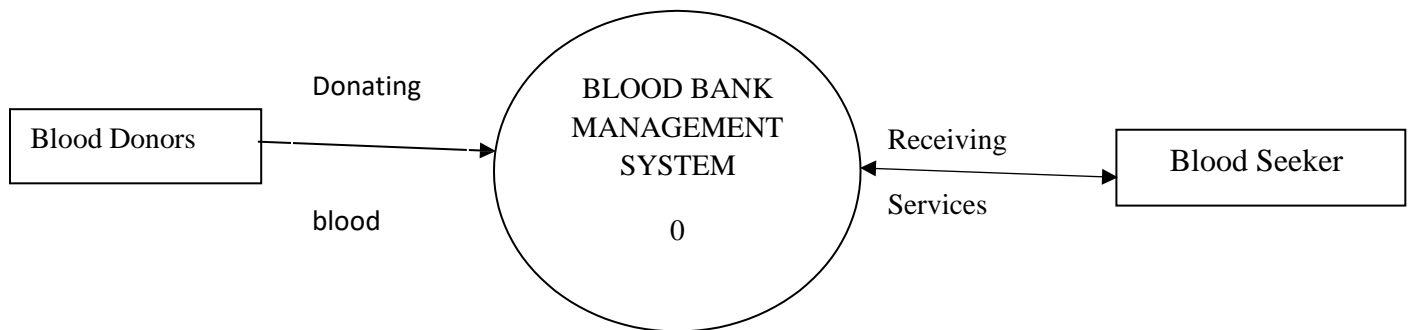


Fig :4.3 Data Flow Diagram

UML USE CASE DIAGRAM

Description: A use case diagram is a dynamic or behaviour diagram in UML. Use case diagrams model the functionality of a system using actors and use cases. Use cases are a set of actions, services, and functions that the system needs to perform. A UML diagram is a diagram based on the UML(Unified Modeling Language) with the purpose of visually representing a system along with its main actors, roles ,actions, artifacts or classes, in order to better understand, alter, maintain, or document information about the system.

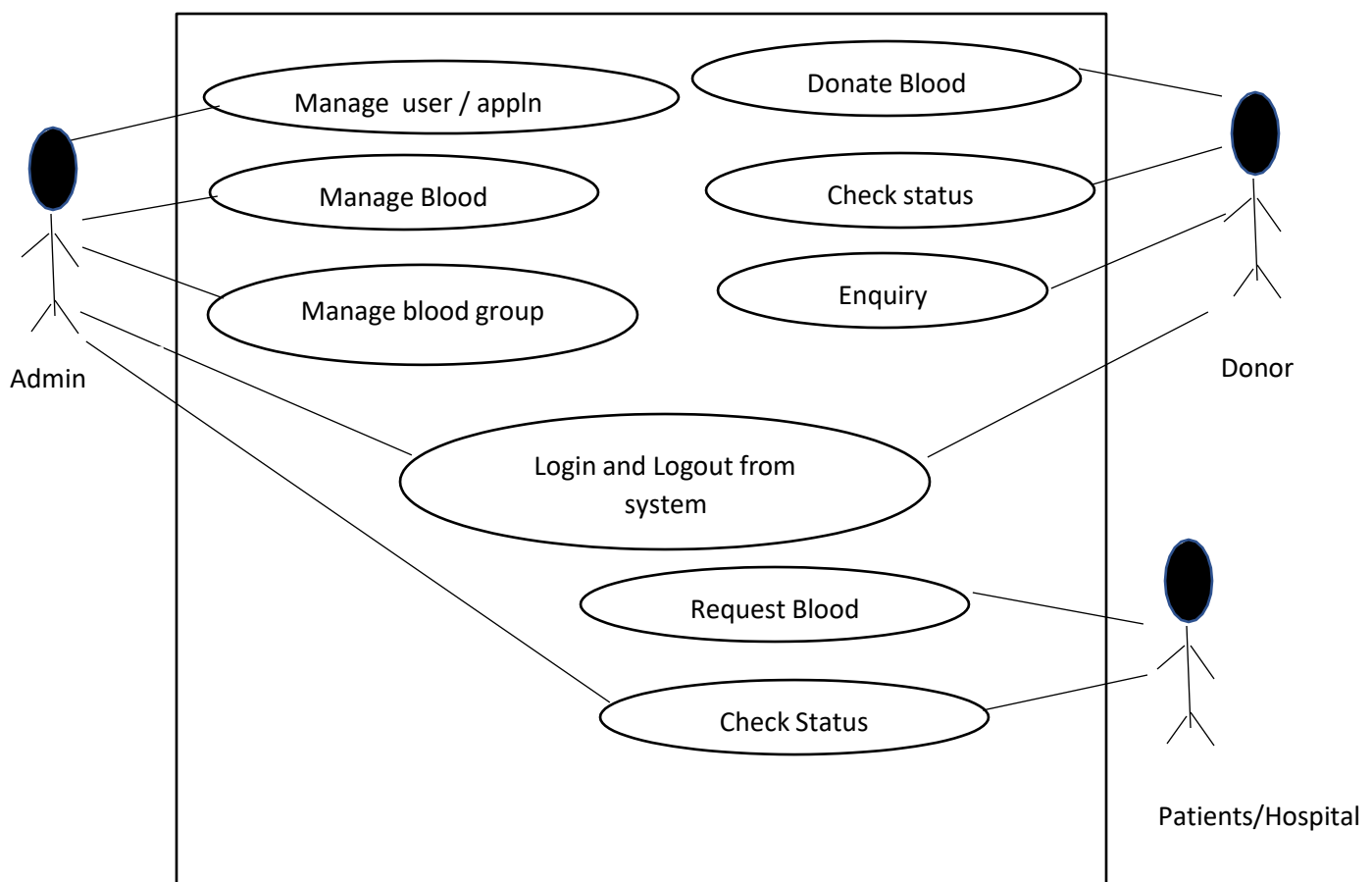


Fig: 4.4 UML Use Case Diagram

In the Fig: 4.4, we have the UML Use Case diagram where we have 3 Actor. They are:

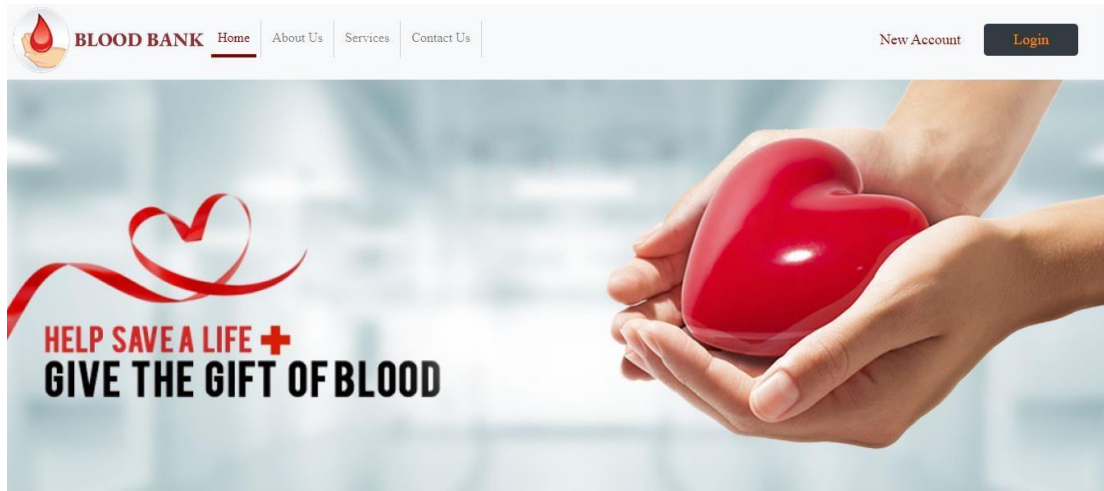
Admin: Admin can manage the full application, donor patients' data.

CHAPTER 5

RESULT AND DISCUSSION

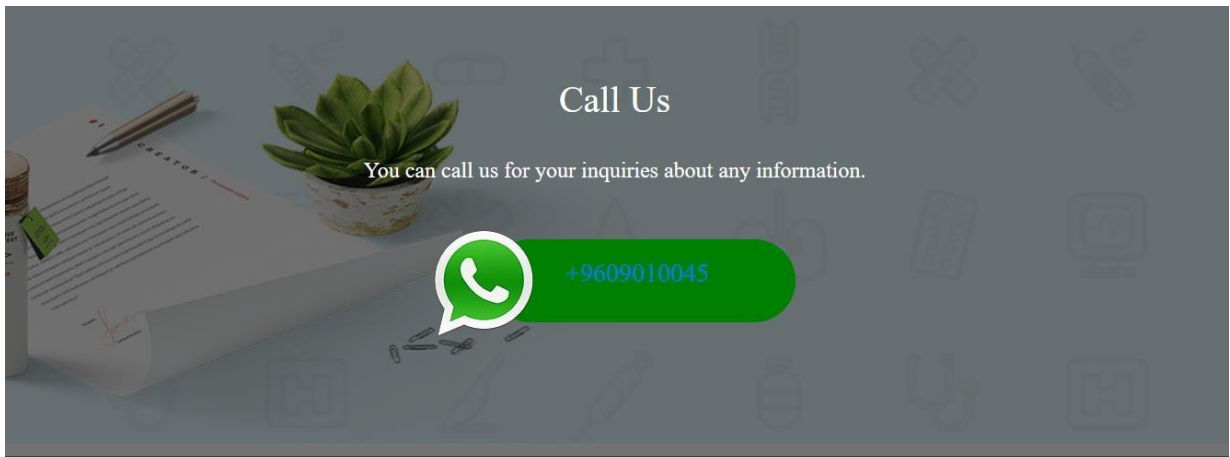
HOMEPAGE OF BLOOD BANK MANAGEMENT SYSTEM

DESCRIPTION: This is the homepage of blood bank management system that can be accessed by anyone who wishes to see about this website.



Articles






CONTACT US PAGE

DESCRIPTION: If you have any question about blood or blood bank, you can send direct message after entering the correct information like name, email, phone number, and finally send the message by clicking the send button. After that it will go to the admin panel where admin can see the message or questions.

Home / Contact Us

**BLOOD BANK**

Mobile: +8944880309
Pincode:737106
Email: InfoBloodBank@gmail.com

Our Services

Donate Your Blood And Inspire Others to Donate.

Blood Donation Is The Act Of Giving Blood To Someone Who Needs It. It Is Not Just About Giving Blood, But It Is An Act Of Kindness That Saves The Lives Of Hundreds Of People.

Donate Blood

Be the reason for someone heartbeat and donate blood easily through registering in this website.

Available

All the types of blood are available here .

Request For Blood

You can easily request for blood just by registering it after that you can request for your needed blood.

Storage

All the types of blood group are stored here and if anyone is in need of it you can contact us through contact page.



5.1.2: ABOUT US PAGE

About Us

Blood donation and transfusion service is an indispensable part of contemporary medicine and health care. Blood management has been recognized as a challenging task because of life threatening nature of blood products entails the punctilious administration due to its perishable nature & required timely processing and it also saves the life. Such great challenge has been considerably alleviated with the development of information and computer technology. e-Blood Bank is an integrated blood bank automation system. This web based mechanism inter connects all the Blood Banks of the State into a single network. Integrated Blood Bank MIS refers the acquisition, validation, storage and circulation of various live data and information electronically regarding blood donation and transfusion service. Such system is able to assemble heterogeneous data into legible reports to support decision making from effective donor screening to optimal blood dissemination in the field. Those electronic processes will help the public for easy access to the blood availability status of blood banks on finger tips; so that he can place a requisition of a particular blood group in nearby blood bank (Especially rare groups) save a valuable life.



BLOOD BANK

Home
About Us
Services

+8944880309
bloodbank@.org

REGISTRATION PAGE FOR NEW USER

DESCRIPTION: If you are new to this website and you haven't donated blood yet through this website. Firstly, you have to register through this form. After finishing registration through email and password you can login whenever you want.

The image shows a registration form titled "Register Here" in white text on a dark grey background. The form is centered and contains several input fields: "Name", "Address", "Email", "Phone Number", "Pin Code", and "Password". Each field is represented by a dark grey rectangular box with its label in small white text. Below the "Password" field is a green rectangular button with the word "Register" in white text. The background of the entire page is dark blue with large, semi-transparent blue and orange circles.

Source code for registration page:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <!-- Design by foolishdeveloper.com -->

  <title>Blood Bank</title>

  <link rel="preconnect" href="https://fonts.gstatic.com">

  <link      rel="stylesheet"      href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.4/css/all.min.css">

  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;500;600&display=
swap" rel="stylesheet">

  <!--Stylesheet-->

  <style media="screen">

    *,

    *:before,

    *:after{

      padding: 0;

      margin: 0;

      box-sizing: border-box;

    }

    body{
```

```
background-color: #080710;

}

.background{

width: 430px;

height: 520px;

position: absolute;

transform: translate(-50%,-50%);

left: 50%;

top: 50%;

}

.background .shape{

height: 200px;

width: 200px;

position: absolute;

border-radius: 50%;

}

.shape:first-child{

background: linear-gradient(

#1845ad,

#23a2f6

);

left: -80px;

top: -80px;
```



```
}  
  
.shape:last-child{  
  
    background: linear-gradient(  
  
        to right,  
  
        #ff512f,  
  
        #f09819  
  
    );  
  
    right: -30px;  
  
    bottom: -80px;  
  
}  
  
form{  
  
    height: 520px;  
  
    width: 400px;  
  
    background-color: rgba(255,255,255,0.13);  
  
    position: absolute;  
  
    transform: translate(-50%,-50%);  
  
    top: 50%;  
  
    left: 50%;  
  
    border-radius: 10px;  
  
    backdrop-filter: blur(10px);  
  
    border: 2px solid rgba(255,255,255,0.1);  
  
    box-shadow: 0 0 40px rgba(8,7,16,0.6);  
  
    padding: 30px 35px;
```

```
}  
  
form *{  
  
    font-family: 'Poppins',sans-serif;  
  
    color: #ffffff;  
  
    letter-spacing: 0.5px;  
  
    outline: none;  
  
    border: none;  
  
}
```

```
form h3{  
  
    font-size: 32px;  
  
    font-weight: 500;  
  
    line-height: 42px;  
  
    text-align: center;  
  
}
```

```
label{  
  
    display: block;  
  
    margin-top: 30px;  
  
    font-size: 16px;  
  
    font-weight: 500;  
  
}
```

```
input{  
  
    display: block;
```

```
height: 50px;

width: 100%;

background-color: rgba(255,255,255,0.07);

border-radius: 3px;

padding: 0 10px;

margin-top: 8px;

font-size: 14px;

font-weight: 300;

}

::placeholder{

    color: #e5e5e5;

}

button{

    margin-top: 30px;

    width: 100%;

    background-color: #ffffff;

    color: #080710;

    padding: 10px 0;

    font-size: 18px;

    font-weight: 600;

    border-radius: 5px;

    cursor: pointer;

}
```

```
.social{  
  
    margin-top: 30px;  
  
    display: flex;  
  
}  
  
.social div{  
  
    background: red;  
  
    width: 150px;  
  
    border-radius: 3px;  
  
    padding: 5px 10px 10px 5px;  
  
    background-color: rgba(255,255,255,0.27);  
  
    color: #eaf0fb;  
  
    text-align: center;  
  
}  
  
.social div:hover{  
  
    background-color: rgba(255,255,255,0.47);  
  
}  
  
.social .fb{  
  
    margin-left: 25px;  
  
}  
  
.social i{  
  
    margin-right: 4px;  
  
}
```

```

</style>

</head>

<body>

<?php

include("admin/include/db.php");

?>

<div class="background">

    <div class="shape"></div>

    <div class="shape"></div>

</div>

<form      name="registration"      class="registartion-form"      method="POST"
action="query/reginsert.php">

    <h3>Register Here</h3>

    <input type="text" placeholder="Name" name="name" id="username" required>

    <input type="text" placeholder="Address"      name="address"      id="password"
required>

    <input type="email" placeholder="Email" name="email" id="password" required>

    <input type="text" placeholder="Phone Number" name="number" id="password"
required>

    <input      type="submit"      name="submit" class="submit"      value="Register"
style="background-color: green;width:50%;margin-left:70px"/>

</form>

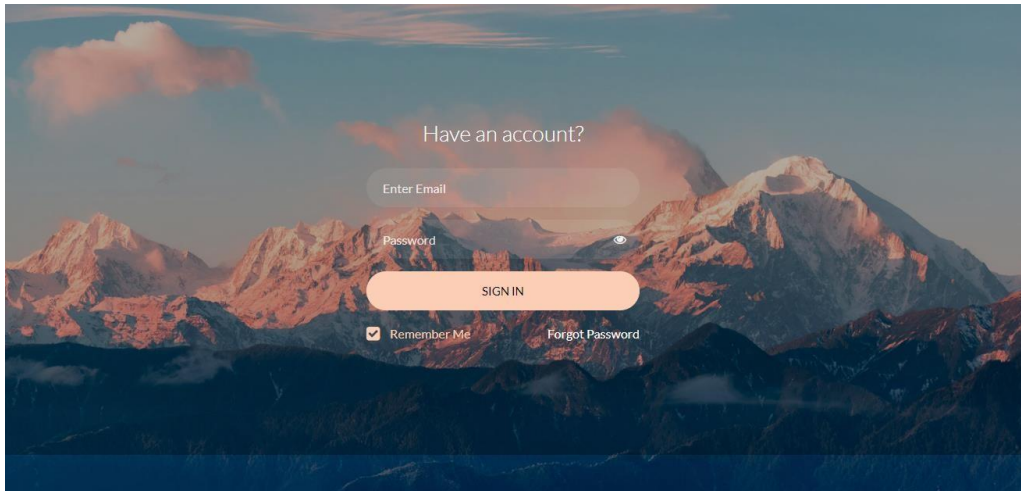
</body>

</html>

```

LOGIN PAGE

DESCRIPTION: After registering, your login page will look like this. In login page you have to enter your registered email and password. After entering your correct email and password it will be forwarded to the second homepage where you can find the donation form.



Source code for login page:

```
<!Doctype html>
<html lang="en">
  <head>
    <title>Login 10</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <link
href="https://fonts.googleapis.com/css?family=Lato:300,400,700&display=swap"
rel="stylesheet">

    <link          rel="stylesheet"          href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
```

```

<link rel="stylesheet" href="csss/style.css">

</head>

<body class="img js-fullheight" style="background-image: url(imgs/bg.jpg);">

<section class="ftco-section">

    <div class="container">

        <div class="row justify-content-center">

            <div class="col-md-6 text-center mb-5">

                </div>

            </div>

            <div class="row justify-content-center">

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

                    <div class="login-wrap p-0">

                        <h3 class="mb-4 text-center">Have an account?</h3>

                        <form action="includes/userlog.php" method="POST" >

                            <div class="form-group">

                                <input type="text" class="form-control" name="email"
placeholder="Enter Email" required>

                            </div>

                            <div class="form-group">

                                <input id="password-field" name="password" type="password"
class="form-control" placeholder="Password" required>

                                <span toggle="#password-field" class="fa fa-fw fa-eye field-icon toggle-
password"></span>


```

```
</div>

<div class="form-group">

    <button type="submit" name="submit" class="form-control btn btn-
primary submit px-3">Sign In</button>

</div>

<div class="form-group d-md-flex">

    <div class="w-50">

        <label class="checkbox-wrap checkbox-primary">Remember
Me

<input type="checkbox" checked>

        <span class="checkmark"></span>

        </label>

    </div>

    <div class="w-50 text-md-right">

        <a href="#" style="color: #fff">Forgot Password</a>

    </div>

</div>

</form>


</div>

</div>

</div>

</div>

</div>

</section>


<script src="js/jquery.min.js"></script>

<script src="js/popper.js"></script>
```



```
<script src="js/bootstrap.min.js"></script>
```

```
<script src="js/main.js"></script>
```

```
</body>
```

```
</html>
```

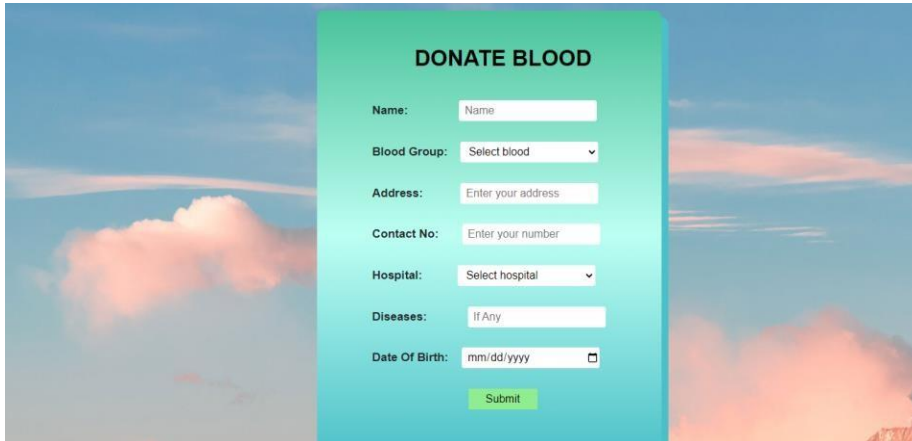
SECOND HOMEPAGE

DESCRIPTION: After completing all the registration process. You can find the donation form where you have to submit the needed information that is required, from here you can also request for blood.



DONATION FORM

DESCRIPTION: For filling the donation form you have to submit all the information correctly like your name, which blood group you are, your address, contact number, in which hospital you want to donate blood, diseases, your date of birth and finally you can submit the form.

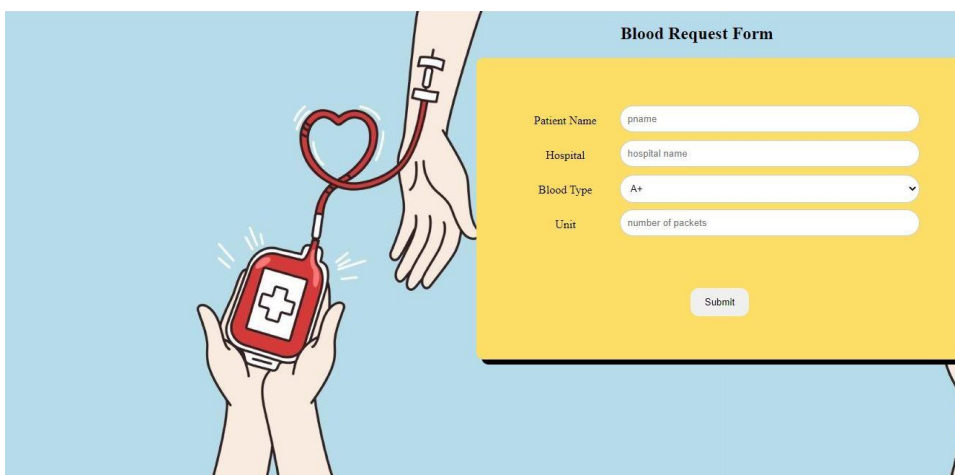


The image shows a web form titled "DONATE BLOOD" set against a background of a sunset sky. The form fields are as follows:

- Name:
- Blood Group:
- Address:
- Contact No:
- Hospital:
- Diseases:
- Date Of Birth:
- Submit:

BLOOD REQUEST FORM

DESCRIPTION: You can send your blood request through this form.



The image shows a web form titled "Blood Request Form" with a light blue background. On the left, there is an illustration of a hand holding a red heart-shaped tube connected to a red blood bag with a white cross. The form fields are as follows:

- Patient Name:
- Hospital:
- Blood Type:
- Unit:
- Submit:

Source code of blood request form:

```
<?php
?>

<!DOCTYPE html>

<html>

<head>

<body class="img js-fullheight" style="background-image: url(../imgs/n.jpg);">

<meta name="viewport" content="width=device-width, initial-scale=1">

<style>

* {

    box-sizing: border-box;

}

input[type=text], select, textarea {

    width: 100%;

    padding: 10px;

    border: 1px solid #ccc;

    border-radius: 40px;

    resize: vertical;

}

label {

    padding: 12px 12px 12px 0;

    display: inline-block;

}
```

```
input[type=submit] {  
  background-color:  
  color: black;  
  padding: 12px 20px;  
  border: none;  
  border-radius: 12px;  
  cursor: pointer;  
  float: center;  
}
```

```
input[type=submit]:hover {  
  background-color: slategray;  
}
```

```
.container {  
  border-radius: 10px;  
  background-color:#fcde67;  
  padding: 60px;  
  width: 50%;  
  float: right;  
  box-shadow: 7px 7px;  
}
```

```
.col-25 {  
  float: left;  
  width: 25%;
```

```

    margin-top: 6px;
}

.col-75 {
    float: left;
    width: 75%;
    margin-top: 6px;
}

/* Clear floats after the columns */
.row:after {
    content: "";
    display: table;
    clear: both;
}

/* Responsive layout - when the screen is less than 600px wide, make the two columns
stack on top of each other instead of next to each other */
@media screen and (max-width: 600px) {
    .col-25, .col-75, input[type=submit] {
        width: 80%;
        margin-top: 0;
    }
}

</style>
</head>
<body>

```



```

<div class="row">

  <div class="col-25">

    <label for="country">Blood Type</label>

  </div>

  <div class="col-75">

    <select id="blood" name="blood">

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

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

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

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

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

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

    </select>

  </div>

</div>

<div class="row">

  <div class="col-25">

    <label for="subject">Unit</label>

  </div>

  <div class="col-75">

    <input type="text" id="pname" name="unit" placeholder="number of packets">

    <br><br><br><br><br>

  </div>

</div>

<div class="row">

  <center>

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

  </center>

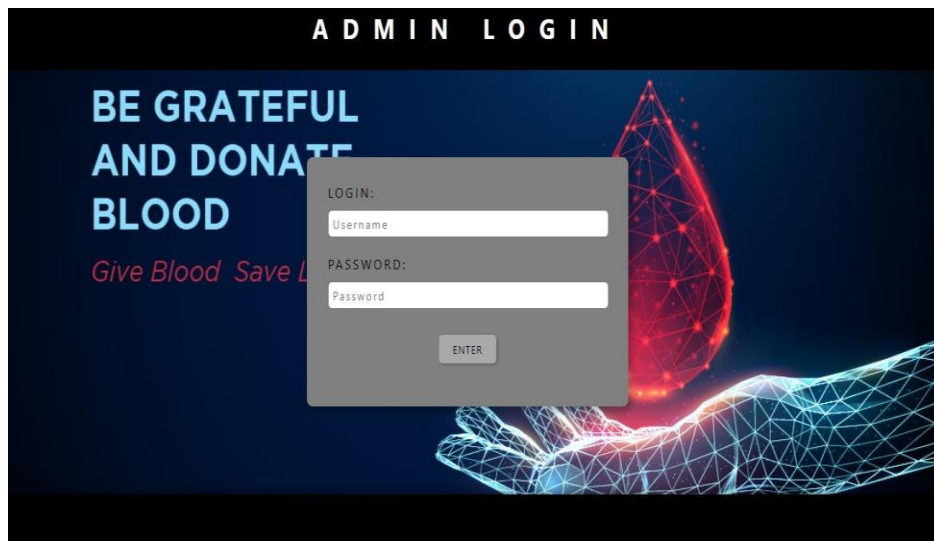
```

```
</div>  
  
</form>  
  
</center>  
  
</div>
```

```
</body>  
  
</html>
```

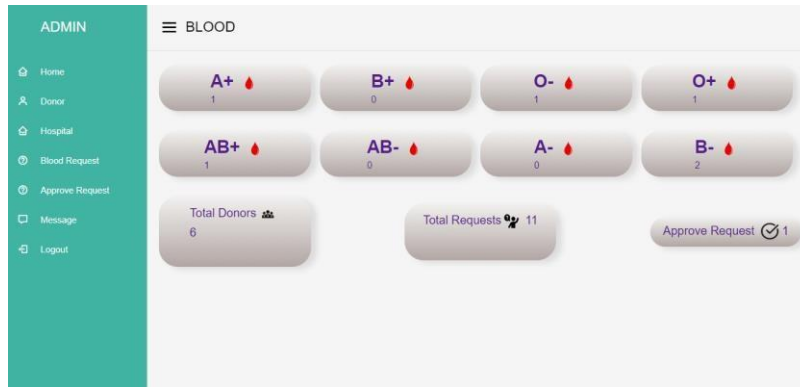
ADMIN LOGIN

DESCRIPTION: This is our admin login page where you have to enter your correct username and password. After submit it will open the main admin dashboard.



ADMIN DASHBOARD

DESCRIPTION: These are the admin dashboards where the admin will manage all the information related to this blood bank management system. All the works are done by the admin only. Admin can see the total numbers of donors and blood request.



Source code of admin dashboard:

```
<section class="home-section">

  <nav>

    <div class="sidebar-button">

      <i class='bx bx-menu sidebarBtn'></i>

      <span class="dashboard">BLOOD</span>

    </div>

  </nav>

  <div class="home-content">

    <div class="overview-boxes">

      <div class="box">

        <div class="right-side">
```

```
<!-- <div class="number">200</div>-->
```

```
<a href="">
```

```
<div class="box-topic"><h1>A+
```

```
        </div></h1>
```

```
<?php
```

```
    $query = "SELECT blood FROM form WHERE blood='A+'";
```

```
    $data = mysqli_query($conn,$query);
```

```
    $result = mysqli_num_rows($data);
```

```
    if($data = 1)
```

```
    {
```

```
        echo "$result";
```

```
    }
```

```
    else{
```

```
        echo "No Records";
```

```
    }
```

```
    ?>
```

```
</a>
```

```
</div>
```

```
</div>
```

```

<div class="box">

    <div class="right-side">

        <!-- <div class="number">10</div>-->


        <a href="">

            <div class="box-topic" ><h1>B+ </div></h1>

            <?php

                $query = "SELECT blood FROM form WHERE blood='B+'";

                $data = mysqli_query($conn,$query);

                $result = mysqli_num_rows($data);

                if($data = 1)

                {

                    echo "$result";

                }

                else{

                    echo "No Records";

                }

            ?>

        </a>

        </a>

    </div>

</div>

```

```

<div class="box">

    <div class="right-side">

        <!-- <div class="number">200</div>-->


        <a href="">

            <div class="box-topic"><h1>O-    </div></h1>

            <?php

                $query = "SELECT blood FROM form WHERE blood='O-'";

                $data = mysqli_query($conn,$query);

                $result = mysqli_num_rows($data);

                if($data = 1)

                {

                    echo "$result";

                }

                else{

                    echo "No Records";

                }

            ?>

        </a>

    </a>

</div>

</div>

<div class="box">

```

```

<div class="right-side">

    <!-- <div class="number">200</div>-->


    <a href="">

        <div class="box-topic"><h1>O+

            </div></h1>

            <?php

                $query = "SELECT blood FROM form WHERE blood='O+'";

                $data = mysqli_query($conn,$query);

                $result = mysqli_num_rows($data);

                if($data = 1)

                {

                    echo "$result";

                }

                else{

                    echo "No Records";

                }

            ?>

        </a>

    </a>


</div>

</div>

```


<div class="box">

<div class="right-side">

<!-- <div class="number">200</div>-->

<div class="box-topic"><h1>AB+

</div></h1>

<?php

\$query = "SELECT blood FROM form WHERE blood='AB+'";

\$data = mysqli_query(\$conn,\$query);

\$result = mysqli_num_rows(\$data);

if(\$data = 1)

{

echo "\$result";

}

else{

echo "No Records";

}

?>

</div>

</div>

<div class="box">

<div class="right-side">

<!-- <div class="number">200</div>-->

<div class="box-topic"><h1>AB- </div></h1>

<?php

\$query = "SELECT blood FROM form WHERE blood='AB-';

\$data = mysqli_query(\$conn,\$query);

\$result = mysqli_num_rows(\$data);

if(\$data = 1)

{

echo "\$result";

}

else{

echo "No Records";

}

?>

</div>

</div>

<div class="box">

```

<div class="right-side">

<!-- <div class="number">200</div>-->


<a href="">

<div class="box-topic"><h1>A- 

</div></h1>

<?php

$query = "SELECT blood FROM form WHERE blood='A-'";

$data = mysqli_query($conn,$query);

$result = mysqli_num_rows($data);

if($data = 1)

{

    echo "$result";

}

else{

    echo "No Records";

}

?>

</a>

</a>

</div>

</div>

<div class="box">

<div class="right-side">

<!-- <div class="number">200</div>-->

```



```

<a href="">

    <div class="box-topic"><h1>B-    </div></h1>

    <?php

        $query = "SELECT blood FROM form WHERE blood='B-'" ;

        $data = mysqli_query($conn,$query);

        $result = mysqli_num_rows($data);

        if($data = 1)

        {

            echo "$result";

        }

        else{

            echo "No Records";

        }

    ?>

</a>

</div>

</div>

<br><br><br><br><br><br><br>

<div class="box">

    <div class="right-side">

        <!-- <div class="number">200</div>-->

        <a href="adonor.php">

```

```

        <div class="box-topic">Total Donors

        <br>

        <?php
$query = "select * from form";
$data = mysqli_query($conn,$query);
$total = mysqli_num_rows($data);
if($data =1)
{
    echo "$total";
}
else{

    echo "No Records";
}
?>

</div><br><br>

</a>

</div>

</div>

<div class="box">

<div class="right-side">

<!-- <div class="number">200</div>-->

```

```

<a href="abreq.php">

    <div    class="box-topic">Total    Requests

```

```

<?php

$query = "select * from hosrequest";

$data = mysqli_query($conn,$query);

$total = mysqli_num_rows($data);

if($data =1)

{

    echo "$total";

}

else{

    echo "No Records";

}

?></div><br><br>

```

```

</a>

</div>

</div>

<div class="box">

    <div class="right-side">

        <!-- <div class="number">200</div>-->

        <a href="approve.php">

            <div class="box-topic">Approve Request &nbsp;  <?php

```

```

$query = "SELECT status FROM form WHERE status='approve'";

$data = mysqli_query($conn,$query);

$total = mysqli_num_rows($data);

if($data =1)

{

    echo "$total";

}

else{

    echo "No Records";

}

?>

</a>

```

```

</div>

```

```

</section>

```

```

<script>

```

```

    let sidebar = document.querySelector(".sidebar");

let sidebarBtn = document.querySelector(".sidebarBtn");

```

```

sidebarBtn.onclick = function() {

    sidebar.classList.toggle("active");

    if(sidebar.classList.contains("active")){

        sidebarBtn.classList.replace("bx-menu" ,"bx-menu-alt-right");

    }else

        sidebarBtn.classList.replace("bx-menu-alt-right", "bx-menu");

    }

</script>

</body>

</html>

```

Donor

- Home
- Donor
- Logout

Donor details

DONOR DETAILS:

Name	Blood Group	Address	Contact	Hospital	Diseases	DOB	Action	Operations
Bandana	AB+	Pakyong	34567456756	STNM	no	2022-08-03		
Suchana	B-	Namchi	4567891230	Manipal	no	2022-08-03		
Srijana	O-	Rangpo	7894561258	Manipal	no	2022-08-02		
Anuma	O+	Siliguri	456789587	STNM	no	2022-08-03		
sd	B-	x	z	Manipal	x	2022-08-25		

Admin

- Home
- Donor
- Approve Request
- Message
- Logout

Approve Blood Request

APPROVE DETAILS:

Name	Blood Group	Address	Contact	Hospital	Diseases	DOB
Srijana	O-	Rangpo	7894561258	Manipal	no	2022-08-02

Admin

- Home
- Blood Request
- Approve Details
- Message
- Logout

Blood Request

REQUEST DETAILS:

Patient Name	Hospital Name	Blood Type	Blood Unit	Action	Operation
Priya	Adarsh Nursing Home	A+	23ml	<div></div>	<div></div>
Bandana	CNCI	A+	12ml	<div></div>	<div></div>
Sukra	AGS	A+	12ml	<div></div>	<div></div>
Abikesar	Neutia	A+	2ml	<div></div>	<div></div>

Admin

Home

Blood Request

Approve Details

Message

Logout

Blood Request

APPROVE DETAILS:

Patient Name	Hospital Name	Blood Type	Blood Unit
bandana	Basu Clinic	B+	7ml
anisha	manipal	AB+	234ml
Ongmu	Soreng	O+	21ml
Bandana	Soreng	O+	34ml
Nisha	manipal	O-	34ml

Admin

Home

Logout

Message

Messages:

Name	Email	Phone No	Message	Operations
bandana	banda@123	234567890	help	
Simran	simran@123	7894561235	i need C+ blood urgently.	

Future scope of the project

- Application can be further developed to include more features of user-friendly interfaces.
- Future developers may extend this project to include the generation of donation slips for donors. In addition, various function can be added.
- Ability to sort donor and patients' queries.
- Improve the effectiveness.
- To integrate this blood bank management system with other health care provider centre, hospital, blood banks.
- Notification through SMS and email.

CHAPTER 6

SUMMARY AND CONCLUSION

Summary of Achievement

We have designed an application that can perform different functionalities and meet the requirements.

Some of the highlights of our application are:

- User friendly: simple and easy to use.
- Reliable, secure.

Difficulties encountered during project

The entire development of project encountered a little problem. The prime being learning the new functionalities of the application on which the development of the project is based on. A lot of detailed study was required the initial phases of the project development.

Limitation of the project

Chat between donor and admin is not provided.

CONCLUSION

We have successfully designed and developed a proven website to make it easy for any user or person in need of blood to request the blood they need. Those who wish to donate blood can also register to donate blood on the website. Blood Bank management system will provide an effective way of managing the different types of blood available. It manages all the information about the donors in a systematic way so there is no data redundancy. Web based blood bank management system provides convenience, efficiency and security to the users and blood bank compared to manual system. It was found out that manual system has many disadvantages that disappoint and dissatisfy the users. Indeed, online blood bank management system make work easy, and ensure fast retrieval of data when needed. The system will eliminate all the problems encountered in the manual way which will help the hospital or the blood banks to work on a better way. The system was implemented using web-based technologies which include HTML, CSS, JS, Bootstrap for frontend and for backend I have used MySQL and PHP.

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