

**18CS3210 – ENTERPRISE**  
**PROGRAMMING PROJECT**  
**BASED REPORT**

**ON**  
**BLOOD DONATION SYSTEM**

*submitted in partial fulfillment of the requirement for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**In**

**COMPUTER SCIENCE AND ENGINEERING**

**By**

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*Under the Esteemed Guidance of*

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**K L E F**

Green Fields, Vaddeswaram,

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**(2019-2020)**

**K L E F**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the course based project entitled **“BLOOD DONATION SYSTEM”** is a bonafide work done by **“T.SIVA GANESH”** bearing ID **“180030789”** in partial fulfilment of the requirement for the award of degree in **BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE ENGINEERING** during the academic year **2019-2020**.

**FACULTY IN CHARGE**

Mr. VENKATA RAMANA

**HEAD OF THE DEPARTMENT**

Dr. HARIKIRAN VEGE

# ACKNOWLEDGEMENT

The success in this project would not have been possible but for the timely help and guidance rendered by many people. Our sincere thanks to all those who has assisted us in one way or the other for the completion of my project.

Our greatest appreciation to my guide **Mr.VENKATA RAMANA**, Assistant Professor, Department of Computer Science and Engineering which cannot be expressed in words for his tremendous support, encouragement and guidance for this project.

We express our gratitude to **Dr. Hari Kiran Vege**, Head of the Department for Computer Science and Engineering for providing us with adequate facilities, ways and means by which we are able to complete thisproject.

We thank all the members of teaching and non-teaching staff members, and also who have assisted me directly or indirectly for successful completion of this project.

Finally, I sincerely thank my friends and classmates for their kind help and co- operation during our work.

J. SRAVAN  
180030190

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# ABSTRACT

BLOOD DONATION MANAGEMENT SYSTEM is a software application to maintain day to day transactions in a blood bank. This software help to register all the donors, Blood collection details, blood issued details etc. It has a big plan to collect the blood from many different sources and distribute the same for the needy. A blood donation management system is a cache or bank of blood or blood components, gathered as a result of blood donation, stored and preserved for later use in blood transfusion.

The term “Blood donation” typically 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. This includes compatibility testing for transfusion and may include blood donation processing, depending on the capabilities of the facility. The main objective of this application is to automate the complete operations of the blood bank. They need maintain hundreds of thousands of records. Also searching should be very faster so they can find required details instantly. This application is built such a way that it should suits for all type of blood banks in future. So every effort is taken to implement this project in this blood bank, on successful implementation in this bloodbank, we can target other blood banks in the city.

# SOFTWARE REQUIREMENTS

Front End – HTML, CSS and Javascript

Middleware– Servlets /JSP

Backend – Oracle

IDE –Eclipse

Web server – Apache Tomcat 7 or

above Development Kit – JDK 1.7 or

above

## **FRONTEND:**

### ▪ HTML

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as `<img />` and `<input />` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the

look and layout of content. The World Wide Web Consortium

(W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

## MIDDLEWARE

- **JSP**

JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to Servlet because it provides more functionality than servlet such as expression language, JSTL, etc.

A JSP page consists of HTML tags and JSP tags. The JSP pages are easier to maintain than Servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tags, etc.

### **Advantages of JSP over Servlet**

There are many advantages of JSP over the Servlet. They are as follows:

#### 1) **Extension toServlet**

JSP technology is the extension to Servlet technology. We can use all the features of the Servlet in JSP. In addition to, we can use implicit objects, predefined tags, expression language and Custom tags in JSP, that makes JSP development easy.

#### 2) **Easy tomaintain**

JSP can be easily managed because we can easily separate our business logic with presentation logic. In Servlet technology, we mix our business logic with the presentation logic.

#### 3) **Fast Development: No need to recompile andredeploy**

If JSP page is modified, we don't need to recompile and redeploy the project. The Servlet code needs to be updated and recompiled if we have to change the look and feel of the application.

4) **Less code than Servlet:** In JSP, we can use many tags such as action tags, JSTL, custom tags, etc. that reduces the code. Moreover, we can use EL, implicit objects, etc.

#### BACKEND:

##### ORACLE

Oracle database (Oracle DB) is a relational database management system (RDBMS) from the Oracle Corporation. Originally developed in 1977 by Lawrence Ellison and other developers, Oracle DB is one of the most trusted and widely-used relational database engines.

The system is built around a relational database framework in which data objects may be directly accessed by users (or an application front end) through structured query language (SQL). Oracle is a fully scalable relational database architecture and is often used by global enterprises, which manage and process data across wide and local area networks. The Oracle database has its own network component to allow communications across networks.

Oracle DB is also known as Oracle RDBMS and, sometimes, just Oracle.

#### IDE

##### ECLIPSE

Eclipse is an integrated development environment (IDE) used in computer programming.[6] It contains a base workspace and an extensible plug-in system for customizing the environment. Eclipse is written mostly in Java and its primary use is for developing Java applications, but it may also be used to develop applications in other programming languages via plug-ins, including Ada, ABAP, C, C++, C#, Clojure, COBOL, D, Erlang, Fortran, Groovy, Haskell, JavaScript, Julia,[7] Lasso, Lua, NATURAL, Perl, PHP, Prolog, Python, R, Ruby (including Ruby on Rails framework), Rust, Scala, and Scheme. It can also be used



to develop documents with LaTeX (via a TeXlipse plug-in) and packages for the software Mathematica. Development environments include the Eclipse Java development tools (JDT) for Java and Scala, Eclipse CDT for C/C++, and Eclipse PDT for PHP, among others.

## QUERIES:

### TABLE CREATION:

- create table blooddonors\_details(Donor\_Id number(6), First\_Name varchar2(10), Last\_Name varchar2(10), Age number(2), Mobile\_Number number(10), City\_Name varchar2(10), Email varchar2(30), Blood\_group varchar2(10));
- create table contact\_details(Name varchar2(20), Email varchar2(30), Message varchar2(50));
- create table signup\_donator(Username varchar2(20), Password varchar2(20), Mobile\_Number number(10), City\_Name varchar2(10));
- create table search\_for\_donor(Patient\_name varchar2(20), Required\_bloodgroup varchar2(10), City\_Name varchar2(10));
- create table refer\_a\_friend(Your\_name varchar2(20), Your\_Email varchar2(20), Friend\_name varchar2(20), Friend\_Email varchar2(20));

### INSERTING VALUES

#### BLOOD DONORS DETAILS

- insert into blooddonors\_details  
values(1001,'Yomitha','Alapati',19,9235842105,'Guntur','yomithaalapati@gmail.com','O+');
- insert into blooddonors\_details  
values(1002,'SaiLatha','Pulipati',19,9135697105,'Vijayawada','pvsailatha@gmail.com','B+');
- insert into blooddonors\_details  
values(1003,'Manjusha','Kandukuri',19,8535862134,'Ongole','manjushakandukuri06@gmail.com','A+');
- insert into blooddonors\_details  
values(1004,'Vishnu','Teja',19,8595844563,'Hyderabad','vishnuteja27@gmail.com','O+');

- insert into blooddonors\_details values(1005,'Rohit','Sharma',35,8945845278,'Mumbai','rohitsharma@gmail.com','B+' );

## CONTACT DETAILS

- insert into contact\_details values('A Yomitha', 'yomithaalapati@gmail.com', 'Its a very good website');
- insert into contact\_details values('P V SaiLatha', 'pvsailatha@gmail.com', 'Good website and user friendly');
- insert into contact\_details values('K Manjusha', 'manjushakandukuri06@gmail.com', 'It is Simple and quick in processing');
- insert into contact\_details values('R VishnuTeja', 'vishnuteja27@gmail.com', 'We can get required blood group easily');
- insert into contact\_details values('T RohitSharma', 'rohitsharma@gmail.com', 'Registration is free of cost');

## SIGNUP DONATOR

- insert into signup\_donator values('yomitha','yomi123', 9235842105, 'Guntur');
- insert into signup\_donator values('sailatha','sai711', 9135697105, 'Vijayawada');
- insert into signup\_donator values('manjusha','chinni611', 8535862134, 'Ongole');
- insert into signup\_donator values('vishnuteja','vishnu', 8595844563, 'Hyderabad');
- insert into signup\_donator values('rohitsharma','rohit45', 8945845278, 'Mumbai');

## SEARCH FOR DONOR

- insert into search\_for\_donor values('HariPriya','A+','Vizag');
- insert into search\_for\_donor values('Karthik','B-','Kurnool');
- insert into search\_for\_donor values('Varun','O-','Guntur');
- insert into search\_for\_donor values('Varshini','B+','Vijayawada');
- insert into search\_for\_donor values('Shruthi','A-','Warangal');

## REFER A FRIEND

- insert into refer\_a\_friend values('A Yomitha', 'yomitha@gmail.com', 'P Harika', 'harika@gmail.com');
- insert into refer\_a\_friend values('P V Sailatha', 'pvsailatha@gmail.com', 'M Geetha', 'geetha29@gmail.com');
- insert into refer\_a\_friend values('K Manjusha', 'manjusha@gmail.com', 'U Akhila', 'akhila2703@gmail.com');
- insert into refer\_a\_friend values('R Vishnuteja', 'vishnuteja@gmail.com', 'K Akhil', 'akhil2576@gmail.com');
- insert into refer\_a\_friend values('T RohitSharma', 'rohit45@gmail.com', 'Y Arjun', 'Arjun6524@gmail.com');

## CODE:

### Contact.html:

```
<html>
<center>
<body background="C:\Users\deLL\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<style>
```

```
body {margin:0;}
```

```
.icon-bar {
  width: 100%;

  overflow: auto;
}
```

```
.icon-bar a {
  float: left;
  width: 16.5%;
  text-align: center;
  padding: 12px 0;
  transition: all 0.3s ease;
  color: black;
  font-size: 36px;
}
```

```
.icon-bar a:hover {
  background-color: skyblue;
}
```

```

}

.active {
  background-color: white;
}
</style>
<body>

<div class="icon-bar">
  <a class="active" href="icon.html"><i class="fa fa-home"></i>
  </a>
  <a href="index.html"><i class="fa fa-user-plus"></i></a>
  <a href="retrievedata.html"><i class="fa fa-search"></i></a>
  <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
  <a href="contact.html"><i class="fa fa-phone"></i></a>
  <a href="Loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<center>
<i><h1>Contact Us</h1>

<h2>Administration Office</h2>
<h4>
<pre>ICM Computer Consultants
New No.6, Old No.8, Kalakshetra Avenue
II nd Street, Thirvanmiyur
Chennai-600041.
Ph: 044-24526589
Email:icmsolutions@icmindia.com</pre></h4>
<form action="contactdetails.jsp">
<table>
<h3>Send Feedback</h3>
<tr><td>Name:</td><td><input type="text" name="name"
placeholder="name"required></td></tr>
<tr><td>Email:</td><td><input type="email" name="email" placeholder="email"
required></td></tr>
<tr><td>Message:</td><td><input type="text" name="msg" placeholder="message"
required></td></tr>
<tr><td><input type="submit" value="send"></td></tr></i>
</table>
</form>
</center>
</body>

</html>

```

### Contactdetails.jsp:

```

<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\dell\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

<style>

```

```

body {margin:0;}

.icon-bar {
    width: 100%;

    overflow: auto;
}

.icon-bar a {
    float: left;
    width: 16.5%;
    text-align: center;
    padding: 12px 0;
    transition: all 0.3s ease;
    color: black;
    font-size: 36px;
}

.icon-bar a:hover {
    background-color: skyblue;
}

.active {
    background-color: white;
}
</style>
<body>

<div class="icon-bar">
    <a class="active" href="icon.html"><i class="fa fa-home"></i></a>
    <a href="index.html"><i class="fa fa-question-circle"></i></a>
    <a href="retrievedata.html"><i class="fa fa-search"></i></a>
    <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
    <a href="contact.html"><i class="fa fa-phone"></i></a>
    <a href="Loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<center>
</center>
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>

    <%
        String name=request.getParameter("name");
        String email=request.getParameter("email");
        String message=request.getParameter("msg");

        try
        {
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","ma
nager");
            Statement st=con.createStatement();
            st.executeUpdate("insert into contactdetails
values('"+name+"','"+email+"','"+message+"')");
            con.close();
        }
    <%>

```

```

        catch(Exception e)
        {
            System.out.print(e);
            e.printStackTrace();
        }
    }%>

</html>
</body>
</center>

</h2>Thank you ! for giving us feedback we will kindly consider your
message.</h2></center>
</body>
</html>

```

### Loginform.jsp:

```

<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>
<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\deLL\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

```

```

<style>

```

```

body {margin:0;}

```

```

.icon-bar {
    width: 100%;

```

```

    overflow: auto;
}

```

```

.icon-bar a {
    float: left;
    width: 20%;
    text-align: center;
    padding: 12px 0;
    transition: all 0.3s ease;
    color: black;
    font-size: 36px;
}

```

```

.icon-bar a:hover {
    background-color: skyblue;
}

```

```

.active {
    background-color: white;
}
</style>
<body>

```

```

<div class="icon-bar">
  <a class="active" href="loginform.jsp"><i class="fa fa-home"></i>
  </a>
  <a href="retrievedata.html"><i class="fa fa-search"></i></a>
  <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
  <a href="contact"><i class="fa fa-phone"></i></a>
</div>
<center>
</center>
<table>
<form>
<center><i>
Donor Login <input type="text" name="name">
Password <input type="password" name="pwd">
<input type="submit" value="submit"><br><br>
If you already have an existing account you can login else <a
href="signup.html">signup</a>
<%
____
____
____ try
____ {
____ Class.forName("oracle.jdbc.driver.OracleDriver");
____ Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe", "system", "ma
nager");
____ Statement st=con.createStatement();
____ ResultSet rs1;
____ String user=request.getParameter("name");
____ String pass=request.getParameter("pwd");
____ String q="";
____ q="select * from signupdonator where Username='"+user+"' and
Password='"+pass+"'";
____ rs1=st.executeQuery(q);
____ if(rs1.next())
____ {
____ out.println("<html>");
____ out.println("<head><br>");
____ out.println("Welcome, "+user+"<br>");
____ out.println("<a href='index.html'>Click Here to Continue..</a>");
____ out.println("</body>");
____ out.println("</body>");
____ }
____ else
____ {
____ out.println("Invalid Login<br>");
____ out.println("<a href='loginform.jsp'>Try Again</a>");
____ }

____ con.close();
____ }
____ catch(Exception e)
____ {
____ System.out.print(e);
____ e.printStackTrace();
____ }

```

```

%>
</center></i>
<pre>
<center>
<b>WELCOME TO BLOOD BANK</b><br></center>
<h4>INDIA WELCOMES YOU to the Blood Bank database in our WebSite. If you are a
donor ,We appreciate you signing up online as a Donor. If you
need blood we are happy to help you.While the Organisers have taken all steps to
obtain accurate and up-to-date information of potential
blood donors, the Organisers and ICM Computers do not guarantee accuracy of the
information contained herein or the suitability of the
persons listed as any liability for direct or consequential damage to any person
using this blood donor list including loss of
life or damage due to infection of any nature arising out of blood transfusion
from persons whose names have been listed in this website.
</pre></h4>
</form>
</table>
</body>
</html>

```

## Index.html:

```

<html>
<body>
<body background="C:\Users\deLL\Desktop\image.jpg"></body>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<style>
body {margin:0;}

.icon-bar {
  width: 100%;

  overflow: auto;
}

.icon-bar a {
  float: left;
  width: 20%;
  text-align: center;
  padding: 12px 0;
  transition: all 0.3s ease;
  color: black;
  font-size: 36px;
}

.icon-bar a:hover {
  background-color: skyblue;
}

.active {
  background-color: white;
}

```



```

</style>
<body>

<div class="icon-bar">
  <a class="active" href="loginform.jsp"><i class="fa fa-home"></i></a>
  <a href="index.html"><i class="fa fa-user-plus"></i></a>
  <a href="retrievedata.html"><i class="fa fa-search"></i></a>
  <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
  <a href="contact.html"><i class="fa fa-phone"></i></a>
  <a href="loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<center><i>
<h2>Details of Blood Donors</h2>
<form method="post" action="process.jsp">
<table>

<tr><td>Donor Id:</td><td><input type="text" name="donor id" required></td></tr>

<tr><td>First name:</td><td><input type="text" name="first name"
required></td></tr>

<tr><td>Last name:</td><td><input type="text" name="last name" required></td></tr>

<tr><td>Age:</td><td><input type="text" name="age" required></td></tr>

<tr><td>Mobile Number :</td><td><input type="text" name="mobile"
required></td></tr>

<tr><td>City name:</td><td><input type="text" name="city name" onchange="f1()"
required></td></tr>

<tr><td>Email Id:</td><td><input type="email" name="email" required></td></tr>

<tr><td>BloodGroup :</td><td><select name="type" required>
<option value='O'>O+</option>
<option value='O-'>O-</option>
<option value='A+'>A+</option>
<option value='A-'>A-</option>
<option value='B+'>B+</option>
<option value='B-'>B-</option>
<option value='AB+'>AB+</option>
<option value='AB-'>AB-</option>
</select></td></tr>

<tr><td><input type="submit" value="submit"></td></tr>

</table>
</form>
</i></center>
<script>
function f1()
{
  var a=document.getElementById("city_name").value;
  document.getElementById("city_name").value=a.toUpperCase();
}
</script>
<center><form>
If you want to update your details<button type="submit"
formaction="updatepage.html">Update</button></form></center>

```

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

## **Icon.html:**

```
<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\dell\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<style>

body {margin:0;}

.icon-bar {
  width: 100%;

  overflow: auto;
}

.icon-bar a {
  float: left;
  width: 20%;
  text-align: center;
  padding: 12px 0;
  transition: all 0.3s ease;
  color: black;
  font-size: 36px;
}

.icon-bar a:hover {
  background-color: skyblue;
}

.active {
  background-color: white;
}
</style>
<body>

<div class="icon-bar">
  <a class="active" href="icon.html"><i class="fa fa-home"></i>
  </a>
  <a href="index.html"><i class="fa fa-user-plus"></i></a>
  <a href="retrievedata.html"><i class="fa fa-search"></i></a>
  <a href="whydonate"><i class="fa fa-question-circle"></i></a>
  <a href="contact.html"><i class="fa fa-phone"></i></a>
</div>
<script>
function f1()
{
  var a=document.getElementById("name");
  var b=document.getElementById("pwd");
  if()
  }
</script>
```

```

<center>
</center>
<table>
<form>
<center><i>
Donor Login <input type="text" name="name">
Password <input type="password" name="pwd">
<input type="submit" value="submit"onsubmit="f1()"><br><br>
If you already have an existing account you can login else <a
href="signup.html">signup</a>
</center></i>
</pre>
<center>
<b>WELCOME TO BLOOD BANK</b><br></center>
<h4>INDIA WELCOMES YOU to the Blood Bank database in our WebSite. If you are a
donor ,We appreciate you signing up online as a Donor. If you
need blood we are happy to help you.While the Organisers have taken all steps to
obtain accurate and up-to-date information of potential
blood donors, the Organisers and ICM Computers do not guarantee accuracy of the
information contained herein or the suitability of the
persons listed as any liability for direct or consequential damage to any person
using this blood donor list including loss of
life or damage due to infection of any nature arising out of blood transfusion
from persons whose names have been listed in this website.
</pre></h4>
</form>
</table>
</body>
</html>

```

### Process.jsp:

```

<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>
<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\dell\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome/4.7.0/css/font-awesome.min.css">

```

```

<style>

```

```

body {margin:0;}

```

```

.icon-bar {
width: 100%;

overflow: auto;
}

```

```

.icon-bar a {
float: left;
width: 16.5%;

```

```

text-align: center;
padding: 12px 0;
transition: all 0.3s ease;
color: black;
font-size: 36px;
}

.icon-bar a:hover {
background-color: skyblue;
}

.active {
background-color: white;
}
</style>
<body>

<div class="icon-bar">
  <a class="active" href="icon.html"><i class="fa fa-home"></i></a>
  <a href="index.html"><i class="fa fa-user-plus"></i></a>
  <a href="retrievedata.html"><i class="fa fa-search"></i></a>
  <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
  <a href="contact.html"><i class="fa fa-phone"></i></a>
  <a href="loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<center>
</center>
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>

<%
String donor_id=request.getParameter("donor_id");
String first_name=request.getParameter("first_name");
String last_name=request.getParameter("last_name");
String age=request.getParameter("age");
String mobile=request.getParameter("mobile");
String city_name=request.getParameter("city_name");
String email=request.getParameter("email");
String blood_group=request.getParameter("type");

try
{
Class.forName("oracle.jdbc.driver.OracleDriver");
Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","ma
nager");
Statement st=con.createStatement();
st.executeUpdate("insert into blooddonors_details
values('"+donor_id+"','"+first_name+"','"+last_name+"','"+age+"','"+mobile+"','"+c
ity_name+"','"+email+"','"+blood_group+"')");

con.close();
}

catch(Exception e)
{
System.out.print(e);
e.printStackTrace();
}

```

```

    }
    %><center>
</pre>Thank you! for donating blood</pre></center>

```

---

## Retrieve.jsp:

```

<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\deLL\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

<style>

body {margin:0;}

.icon-bar {
    width: 100%;

    overflow: auto;
}

.icon-bar a {
    float: left;
    width: 16.5%;
    text-align: center;
    padding: 12px 0;
    transition: all 0.3s ease;
    color: black;
    font-size: 36px;
}

.icon-bar a:hover {
    background-color: skyblue;
}

.active {
    background-color: white;
}
</style>
<body>

<div class="icon-bar">
    <a class="active" href="icon.html"><i class="fa fa-home"></i></a>
    </a>
    <a href="index.html"><i class="fa fa-user-plus"></i></a>
    <a href="retrievedata.html"><i class="fa fa-search"></i></a>
    <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
    <a href="contact.html"><i class="fa fa-phone"></i></a>
    <a href="Loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<center>
</center>

<%@ page import="java.sql.*" %>

```

```

<%@ page import="java.io.*" %>
<html>
<body>

<%
try
    {
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","ma
nager");
        String bloodgroup=request.getParameter("bloodgroup");
        String city=request.getParameter("city");
        PreparedStatement pstmt=con.prepareStatement("select * from
blooddonors_details where type=? and city_name=?");
        System.out.println("hello123");
        pstmt.setString(1,bloodgroup);
        pstmt.setString(2,city);
        ResultSet rs=pstmt.executeQuery();
        System.out.println("hello456");%>

        <center>
        <table border="1">
            <tr><td>Donor ID </td> <td>First Name </td> <td>Last Name
            </td> <td>Age </td> <td>Mobile </td> <td>City </td> <td>Email
            </td> <td>Blood Group </td></tr>
            <% while(rs.next())
            {
                int donorid=rs.getInt(1);
                String fname=rs.getString(2);
                String lname=rs.getString(3);
                long mobile=rs.getLong(5);
                int age=rs.getInt(4);
                String cname=rs.getString(6);
                String email=rs.getString(7);
                String type=rs.getString(8);%>

                <tr><td> <% out.println(+donorid+"\n");%></td>
                <td> <% out.println(fname);%></td>
                <td> <%out.println(lname);%></td>
                <td> <% out.println(age);%></td>
                <td> <%out.println(mobile);%></td>
                <td> <%out.println(cname);%></td>
                <td> <%out.println(email);%></td>
                <td> <%out.println(type);
                }%> </td></tr>
            </table>
        </center>
        <% con.close();
        }
        catch(Exception e)
        {
            System.out.print(e);
            e.printStackTrace();
        }
        %>

</body>

```

```
</html>
```

## Retrievedata.html:

```
<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\deLL\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
```

```
<style>
```

```
body {margin:0;}
```

```
.icon-bar {
width: 100%;
```

```
overflow: auto;
}
```

```
.icon-bar a {
float: left;
width: 16.5%;
text-align: center;
padding: 12px 0;
transition: all 0.3s ease;
color: black;
font-size: 36px;
}
```

```
.icon-bar a:hover {
background-color: skyblue;
}
```

```
.active {
background-color: white;
}
```

```
</style>
```

```
<body>
```

```
<div class="icon-bar">
<a class="active" href="icon.html"><i class="fa fa-home"></i></a>
<a href="index.html"><i class="fa fa-user-plus"></i></a>
<a href="retrievedata.html"><i class="fa fa-search"></i></a>
<a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
<a href="contact.html"><i class="fa fa-phone"></i></a>
<a href="Loginform.jsp"><i class="fa fa-sign-out"></i></a>
```

```
</div>
```

```
<center>
```

```
</center>
```

```
<html>
```

```
<body>
```

```
<center>
```

```

<h2><i>Details of Blood Donors</i></h2>

<form method="post" action="retrieve.jsp">
<table>
<tr><td>Blood group:</td><td><input type="text" name="bloodgroup" ></td></tr>

<tr><td>City:</td><td><input type="text" name="city"></td></tr>

<tr><td><input type="submit" value="submit"></td></tr>

</table>

</form>
</center>
</body>
</html>

```

Signup.html

```

<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\deLL\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<style>

body {margin:0;}

.icon-bar {
  width: 100%;

  overflow: auto;
}

.icon-bar a {
  float: left;
  width: 20%;
  text-align: center;
  padding: 12px 0;
  transition: all 0.3s ease;
  color: black;
  font-size: 36px;
}

.icon-bar a:hover {
  background-color: skyblue;
}

.active {
  background-color: white;
}
</style>
<body>

<div class="icon-bar">
  <a class="active" href="icon.html"><i class="fa fa-home"></i>

```



```

    </a>
    <a href="retrievedata.html"><i class="fa fa-search"></i></a>
    <a href="whydonate"><i class="fa fa-question-circle"></i></a>
    <a href="contact.html"><i class="fa fa-phone"></i></a>
    <a href="loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<center>
</center>
<body>
<center>
<form action="sign.jsp">
<table>
<h1><i>Sign up Form</i></h1>
<tr><td>Username:</td><td><input type="text" name="username" required></td></tr>

<tr><td>Password:</td><td><input type="password" name="pwd" required></td></tr>

<tr><td>Mobile Number :</td><td><input type="mobile" name="mobile"
required></td></tr>

<tr><td>City :</td><td><input type="text" name="city" required></td></tr>

<tr><td><input type="submit" value="submit"></td></tr>

</table>
</form>
</center>
</body>
</html>

```

## Sign.jsp:

```

<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\dell\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<style>

body {margin:0;}

.icon-bar {
    width: 100%;

    overflow: auto;
}

.icon-bar a {
    float: left;
    width: 20%;
    text-align: center;
    padding: 12px 0;
    transition: all 0.3s ease;
    color: black;
    font-size: 36px;
}

```

```

.icon-bar a:hover {
    background-color: skyblue;
}

.active {
    background-color: white;
}
</style>
<body>
<div class="icon-bar">
    <a class="active" href="icon.html"><i class="fa fa-home"></i></a>
    <a href="retrievedata.html"><i class="fa fa-search"></i></a>
    <a href="whydonate"><i class="fa fa-question-circle"></i></a>
    <a href="contact.html"><i class="fa fa-phone"></i></a>
    <a href="Loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<center>

<h3>welcome to Blood donation website<br></h3>
<a href="Loginform.jsp">Click here to continue</a>
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>

    <%
        String username=request.getParameter("username");
        String password=request.getParameter("pwd");
        String mobile=request.getParameter("mobile");
        String city=request.getParameter("city");

        try
        {
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","ma
nager");

            Statement st=con.createStatement();
            System.out.println("hello123");
            st.executeUpdate("insert into signupdonator
values('"+username+"','"+password+"','"+mobile+"','"+city+"')");
            con.close();
        }

        catch(Exception e)
        {
            System.out.print(e);
            e.printStackTrace();
        }
    %>

```

### Whydonate.html:

```

<!DOCTYPE html>
<html>
<body background="C:\Users\deLL\Desktop\image.jpg"></body>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<style>

```

```

body {margin:0;}

.icon-bar {
  width: 100%;

  overflow: auto;
}

.icon-bar a {
  float: left;
  width: 16.5%;
  text-align: center;
  padding: 12px 0;
  transition: all 0.3s ease;
  color: black;
  font-size: 36px;
}

.icon-bar a:hover {
  background-color: skyblue;
}

.active {
  background-color: white;
}
</style>
<body>

<div class="icon-bar">
  <a class="active" href="icon.html"><i class="fa fa-home"></i></a>
  <a href="index.html"><i class="fa fa-user-plus"></i></a>
  <a href="retrievedata.html"><i class="fa fa-search"></i></a>
  <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
  <a href="contact.html"><i class="fa fa-phone"></i></a>
  <a href="Loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<h1><i>Why donate blood?</i></h1>
<pre>
Blood is the part of life that is given to those who need it by those who have the
resource to satisfy the need. The love of fellow human
and a desire to share something of oneself is what singles out a blood donor from
the others. Emergencies occur every minute. For each patient
requiring blood, it is an emergency and the patients could have set back if blood
is not available.

Your blood donation may be even more special than you realize A single donation
from you can help one or more patients. This is possible
because whole blood is made up of several useful components. These components
perform special functions in your body and in the body of patients
who receive your blood.

Various blood components are Red Blood Cells, White Blood Cells, Platelets, Plasma
and selected Plasma Proteins. Each of these components can be
separated from your donated volume of blood and transfused into a specific patient
requiring that particular component. Thus, many can benefit
from one unit of blood. Every year India requires 40 million units of 250cc blood
out of which only a meager 500,000 of blood units are available.
</pre></i>
</body>

```

```
</html>
```

## Update.jsp:

```
<!DOCTYPE html>
```

```
<html>
```

```
<center>
```

```
<body background="C:\Users\dell\Desktop\image.jpg"></body></center>
```

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

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<style>
```

```
body {margin:0;}
```

```
.icon-bar {  
    width: 100%;
```

```
    overflow: auto;
```

```
}
```

```
.icon-bar a {  
    float: left;  
    width: 16.5%;  
    text-align: center;  
    padding: 12px 0;  
    transition: all 0.3s ease;  
    color: black;  
    font-size: 36px;
```

```
}
```

```
.icon-bar a:hover {  
    background-color: skyblue;
```

```
}
```

```
.active {  
    background-color: white;
```

```
}
```

```
</style>
```

```
<body>
```

```
<div class="icon-bar">
```

```
    <a class="active" href="icon.html"><i class="fa fa-home"></i>
```

```
    </a>
```

```
    <a href="index.html"><i class="fa fa-user-plus"></i></a>
```

```
    <a href="retrievedata.html"><i class="fa fa-search"></i></a>
```

```
    <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
```

```
    <a href="contact.html"><i class="fa fa-phone"></i></a>
```

```
    <a href="loginform.jsp"><i class="fa fa-sign-out"></i></a>
```

```
</div>
```

```
<center>
```

```
</center>
```

```
<%@ page import="java.sql.*" %>
```

```
<%@ page import="java.io.*" %>
```

```
    <% try
```

```
    {
```

```

String name=request.getParameter("donorid");
String city=request.getParameter("city");
String mobilenum=request.getParameter("mobile");
Class.forName("oracle.jdbc.driver.OracleDriver");
Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","ma
nager");

Statement st=con.createStatement();
String p=("update blooddonors_details set city_name='"+city+"',
mobile='"+mobilenum+"' where donor_id='"+name+"'");
st.executeQuery(p);
con.close();
}

catch(Exception e)
{
System.out.print(e);
e.printStackTrace();
}

%>

<html>
<body><center>
<h3>Thank you! for updating your values.</h3></center>
</body>
</html>

```

## Updatepage.html:

```

<!DOCTYPE html>
<html>
<center>
<body background="C:\Users\deLL\Desktop\image.jpg"></body></center>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

<style>

body {margin:0;}

.icon-bar {
width: 100%;

overflow: auto;
}

.icon-bar a {
float: left;
width: 16.5%;
text-align: center;
padding: 12px 0;
transition: all 0.3s ease;
color: black;
font-size: 36px;
}

.icon-bar a:hover {
background-color: skyblue;
}

```

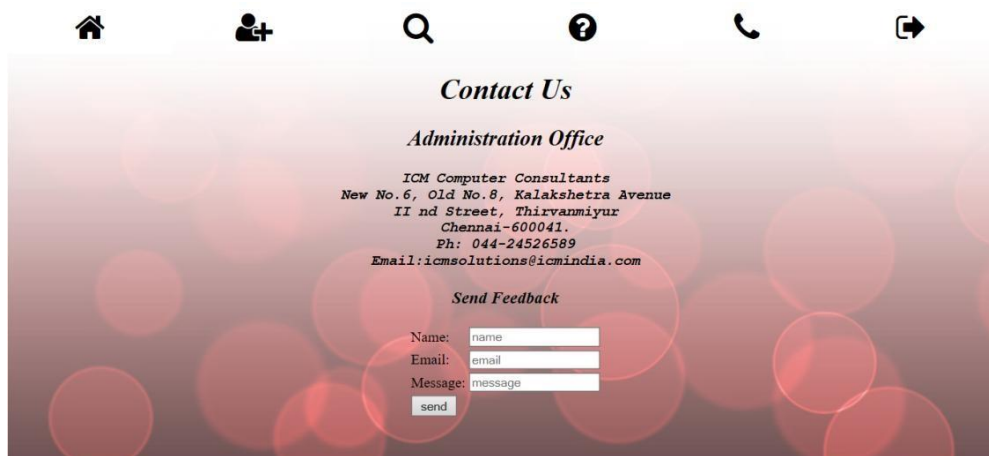
```

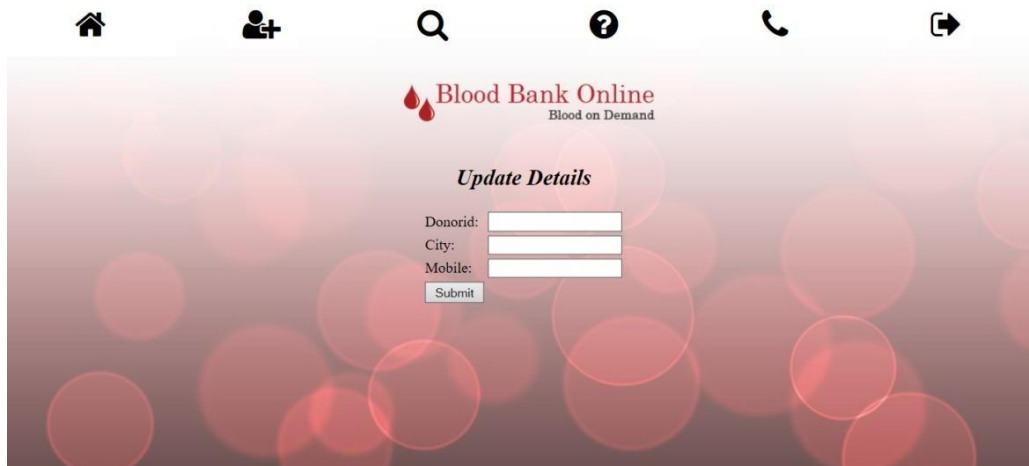
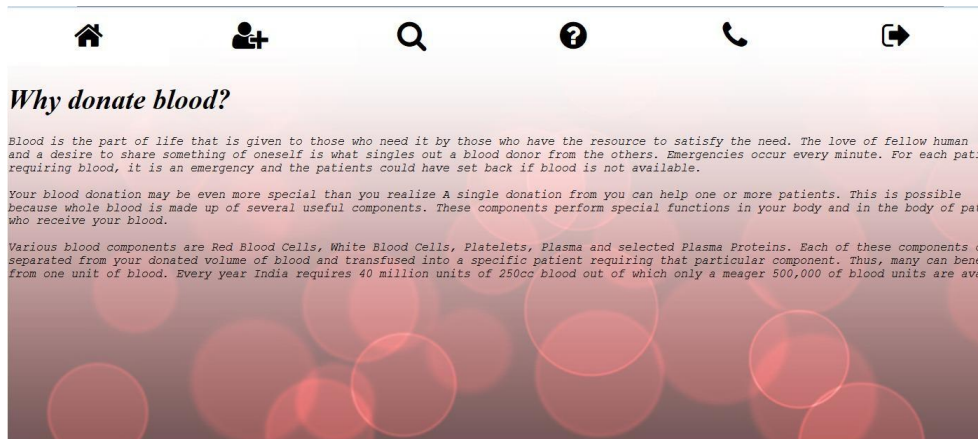
.active {
    background-color: white;
}
</style>
<body>

<div class="icon-bar">
    <a class="active" href="icon.html"><i class="fa fa-home"></i>
    </a>
    <a href="index.html"><i class="fa fa-user-plus"></i></a>
    <a href="retrievedata.html"><i class="fa fa-search"></i></a>
    <a href="whydonate.html"><i class="fa fa-question-circle"></i></a>
    <a href="contact.html"><i class="fa fa-phone"></i></a>
    <a href="Loginform.jsp"><i class="fa fa-sign-out"></i></a>
</div>
<center>
</center>
<html>
</script>
<body><center>
<h2><i>Update Details</i></h2>
<form action="update.jsp">
<table>
<tr><td>Donorid:</td><td><input type="text" name="donorid" required></td></tr>
<tr><td>City:</td><td><input type="text" name="city" required></td></tr>
<tr><td>Mobile:</td><td><input type="text" name="mobile" required></td></tr>
<tr><td><button>Submit</button></td></tr>
<p id="demo"></p>
</table>
</form>
</center>
</body>
</html>

```

## OUTPUTS



















### Details of Blood Donors

Donor Id:   
 First name:   
 Last name:   
 Age:   
 Mobile Number :   
 City name:   
 Email Id:   
 BloodGroup :





If you want to update your details










### Sign up Form

Username:   
 Password:   
 Mobile Number :   
 City :



Donor Login  Password

If you already have an existing account you can login else [signup](#) Invalid Login  
[Try Again](#)

WELCOME TO BLOOD BANK

INDIA WELCOMES YOU to the Blood Bank database in our Website. If you are a donor ,We appreciate you signing up online as a Donor. If you need blood we are happy to help you.While the Organisers have taken all steps to obtain accurate and up-to-date information of potential blood donors, the Organisers and ICM Computers do not guarantee accuracy of the information contained herein or the suitability of the persons listed as any liability for direct or consequential damage to any person using this blood donor list including loss of life or damage due to infection of any nature arising out of blood transfusion from persons whose names have been listed in this website.



## Conclusion:

An integrated strategy for blood safety is required for the provision of safe and adequate blood. A majority of the donors were willing to be regular donors. The donors showed positive effects like a sense of satisfaction after the donation. Creating an opportunity for blood donation by conducting many blood donation camps may increase the voluntary blood donations.

Through this project we learnt how to create an active blood donation system and also usage of the concepts like HTML, JSP, JDBC, creating static and dynamic web pages, etc.