



BLOOD BANK MANAGEMENT SYSTEM

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FAST-NUCES

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1.0. Introduction

The objective of this project is to create an online blood donation information system. The web app is made to manage the blood bank's daily operations and perform information searches as needed. There are several situations where the demand for blood is urgent. The Online Blood Bank initiative attempts to keep all the data on blood donors at this crucial moment. The blood donation agent is responsible for compiling e-Information about the donor and any organizations connected to blood donation. Anyone interested in donating blood can register using this application.

The blood bank management system is going to be an application on java spring boot. The purpose of this project was to develop a blood management information system to assist in the management of blood donor records and sells records. The Blood Bank Management System is a software that collects, organizes, retrieves, and examines information related to managing blood banks. Additionally, it is in charge of managing the blood bank's inventory.

The goal of the blood bank management project is to offer blood donation services to the community easily. Our Blood Bank Management System is a browser-based system that is meant to store, process, retrieve and analyze the information connected with the administrative and inventory management inside a blood bank.

This project aims at keeping all the information regarding blood donors, and various blood groups accessible in each blood bank and enable them to manage in a better way. The goal is to increase openness in this industry, make blood donation hassle- and corruption-free, and improve the efficiency of the blood bank management system. Some current systems are manual and it is very time-consuming. This system will help the blood bank to manage information on available blood packets of the corresponding blood group.

1.1 Core functions

Customers and administrators will have access to features, which are described below

1.1.1 Manage Recipients

Access to donor management is available to the admin. Admin can modify the blood record, search for donor or acceptor information, and examine the personal information.

1.1.2 Manage Donator

The administrator has access to the blood donor. He can update the donor's information.

1.1.3 Donor Registration

Customers will fill out the documents for the donor registration such as their full name, gender, date of birth, blood type, contact information (phone, email, home address, etc.), and so on.

1.1.4 Contact Information.

Users can view the blood bank address, phone number, and email address under "Contact Us." They can fill up a form.

1.1.5 Blood Bank FAQs

Under "About Us," you may view the blood bank management system's frequently asked questions.

1.1.6 Manage Blood packets

Manage and list no. of blood packets available.

1.1.7 Manage acceptor information

This functionality enables administrator to view the acceptor details.

1.1.8 Manage blood transfer

Manage the transfer of blood from donor to stock.

1.1.9 Generate donation

Produce a report for the blood donation by donors.

1.1.10 Donor eligibility

List of a donor who is eligible for donation on a particular date with a contact number.

1.1.11 Record retrievals

Retrieve data of blood packet accepters.

1.1.12 Donation by users

Provide a financial donation option to the blood bank.

1.1.13 Add/Delete/Update donor, hospital, bloodbank

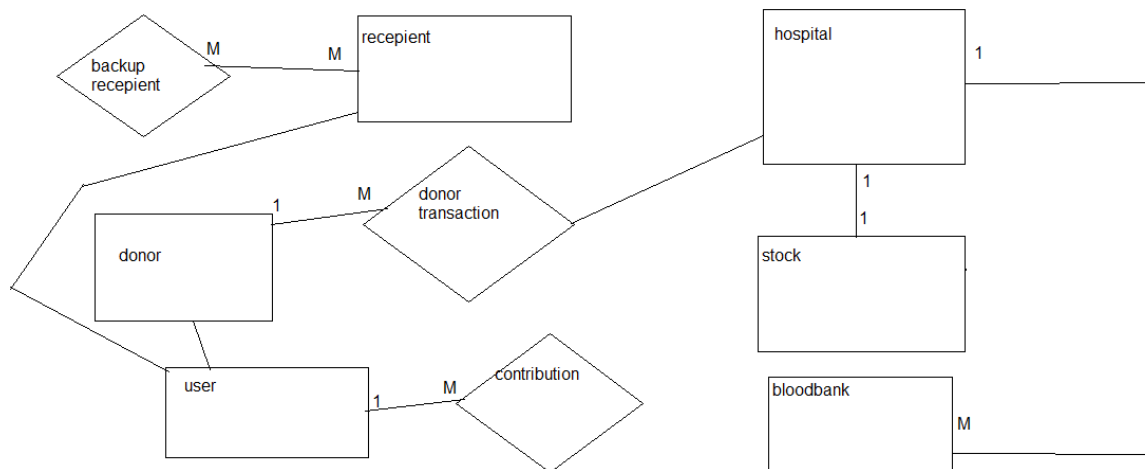
Add, delete, update donors, bloodbank and hospital data.

2.0. Technology Used

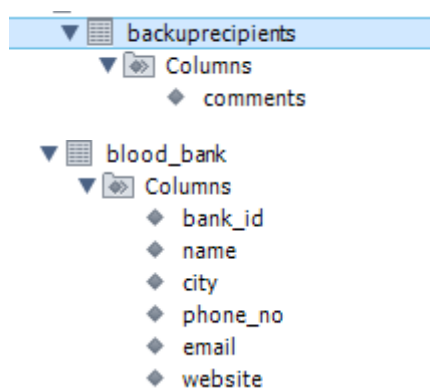
The technologies used are listed below:

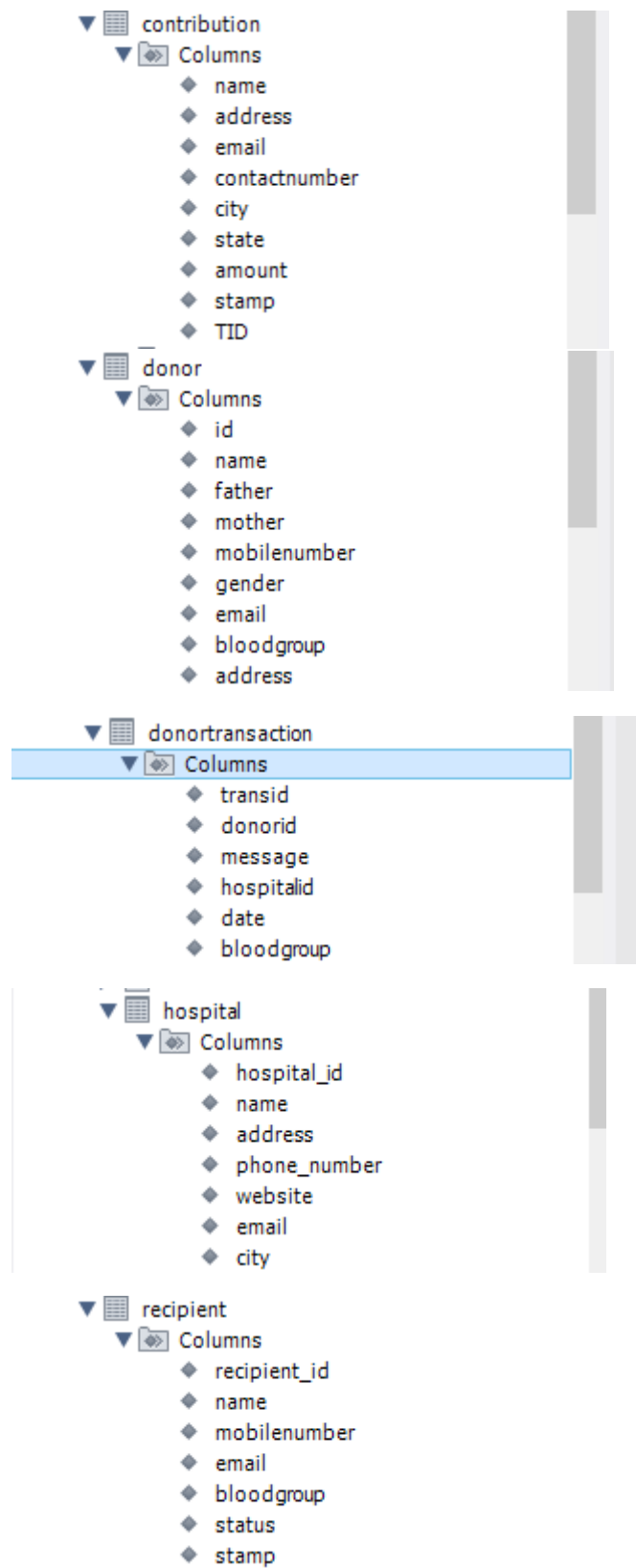
- Apache Tomcat version 9.0.68.
- MySQL Workbench 8.0.
- MySQL Shell.
- MySQL Command line client.
- Eclipse IDE for developers, 2022-06 version.
- Layershift Hosting.

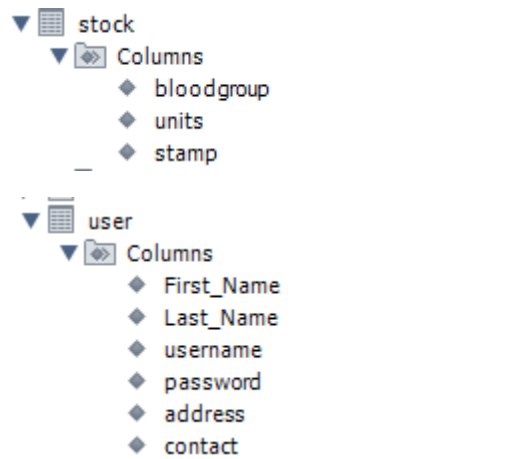
3.0. System Design



Since the attributes were too many to draw. The Entities and Relationships have been defined with their respective tables and functions.







4.0. Normalization

The tables have been normalized. Normalization was achieved using the 1NF, 2NF, and the 3NF.

1NF=>We have atomic data.

2NF=> We have full functional dependency.

3NF=> We have achieved this by removing transitive dependency.



5.0. Database Concepts

5.1. Triggers

#--TRIGGERS--

delimiter //

CREATE TRIGGER chk_weight BEFORE INSERT ON donor

FOR EACH ROW

BEGIN

IF NEW.weight < 50 THEN

SIGNAL SQLSTATE '50001' SET MESSAGE_TEXT =
'Person must weight above 50kg.';

END IF;

END; //

delimiter ;

#Trigger to stop inputting negative numbers in contact number of user

delimiter //

CREATE TRIGGER verify_number_user BEFORE INSERT ON user

FOR EACH ROW

BEGIN

IF NEW.contact < 0 THEN

SIGNAL SQLSTATE '50002' SET MESSAGE_TEXT='Contact number is
never negative';

END IF;

END;

#Trigger to stop inputting negative numbers in contact number of donor

delimiter //

```
CREATE TRIGGER verify_number_donor BEFORE INSERT ON donor
    FOR EACH ROW
    BEGIN
        IF NEW.mobilenumber < 0 THEN
            SIGNAL SQLSTATE '50002' SET MESSAGE_TEXT='Contact number is
never negative';
        END IF;
    END;
```

#Trigger to stop inputting negative numbers in contact number of donor Before update

delimiter //

```
CREATE TRIGGER verify_number_donor_onUpdate BEFORE UPDATE ON
donor
    FOR EACH ROW
    BEGIN
        IF NEW.mobilenumber < 0 THEN
            SIGNAL SQLSTATE '50002' SET MESSAGE_TEXT='Contact number is
never negative';
        END IF;
    END;
```

#Trigger to add 10 units stock table after a user donates blood

DELIMITER //

CREATE TRIGGER stocktriggeradd AFTER INSERT ON donortransaction

FOR EACH ROW

begin

DECLARE bloodgroup varchar(20);

SELECT bg INTO bloodgroup

FROM donortransaction

ORDER BY transid DESC

LIMIT 1;

UPDATE stock

SET units=units+10

WHERE bg=bloodgroup;

END//

#Trigger to subtract 10 units of blood after a recipients blood request is accepted

DELIMITER //

CREATE TRIGGER stocktrigger AFTER UPDATE ON recipient

FOR EACH ROW

begin

DECLARE bloodgroup varchar(20);

```
SELECT bg INTO bloodgroup
FROM recipient
ORDER BY recipient_id DESC
LIMIT 1;
```

```
UPDATE stock
SET units=units-10
WHERE bg=bloodgroup;
END//
```

#Trigger to Archive deleted bloodrequests

delimiter //

```
CREATE TRIGGER backingRecipients AFTER DELETE
```

```
ON recipient FOR EACH ROW
```

```
BEGIN
```

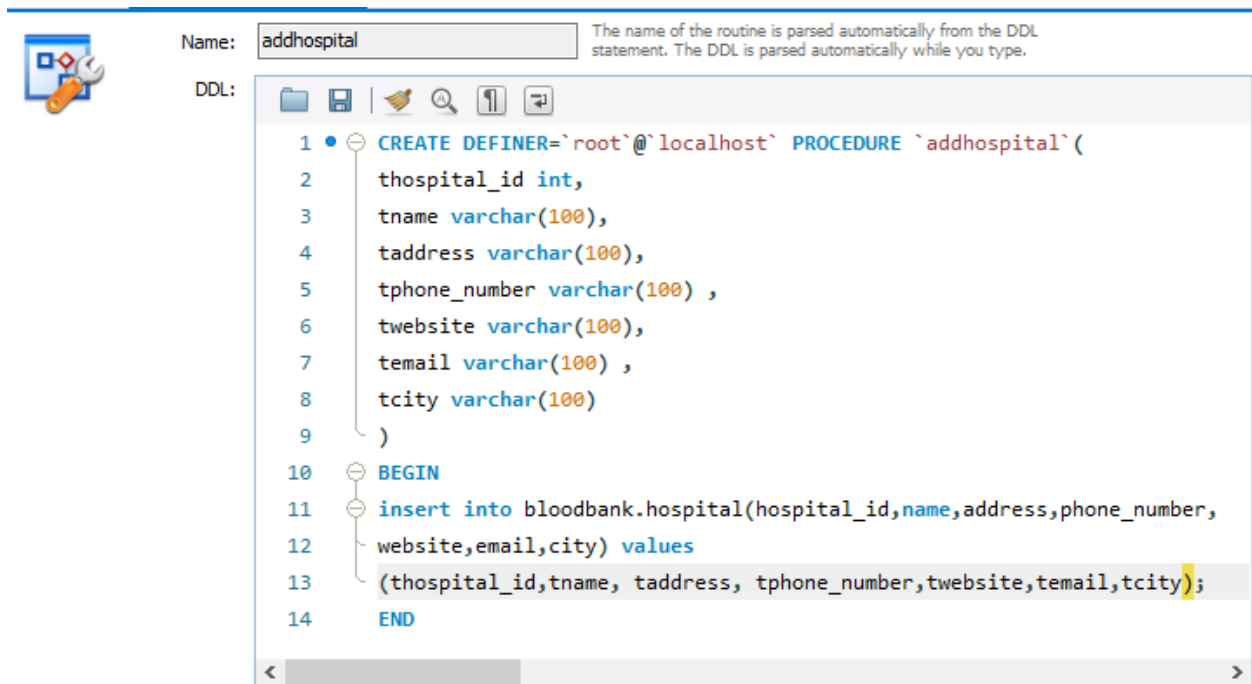
```
INSERT INTO backuprecipients VALUES (concat('Recipient Name
Deleted:',old.name,',RecipientID Deleted:',old.recipient_id));
```

```
END //
```

```
DROP TRIGGER backingRecipients;
```

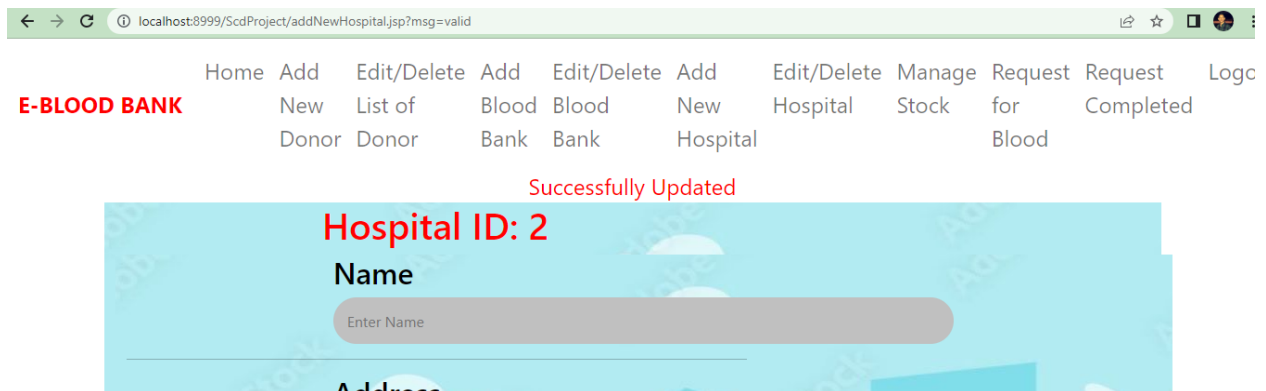
5.2. Procedures

Add hospital



The screenshot shows a database IDE with a 'Name' field containing 'addhospital'. Below it, the 'DDL' field contains the following SQL code:

```
1 CREATE DEFINER=`root`@`localhost` PROCEDURE `addhospital`(  
2     thospital_id int,  
3     tname varchar(100),  
4     taddress varchar(100),  
5     tphone_number varchar(100) ,  
6     twebsite varchar(100),  
7     temail varchar(100) ,  
8     tcity varchar(100)  
9 )  
10 BEGIN  
11     insert into bloodbank.hospital(hospital_id,name,address,phone_number,  
12     website,email,city) values  
13     (thospital_id,tname, taddress, tphone_number,twebsite,temail,tcity);  
14 END
```

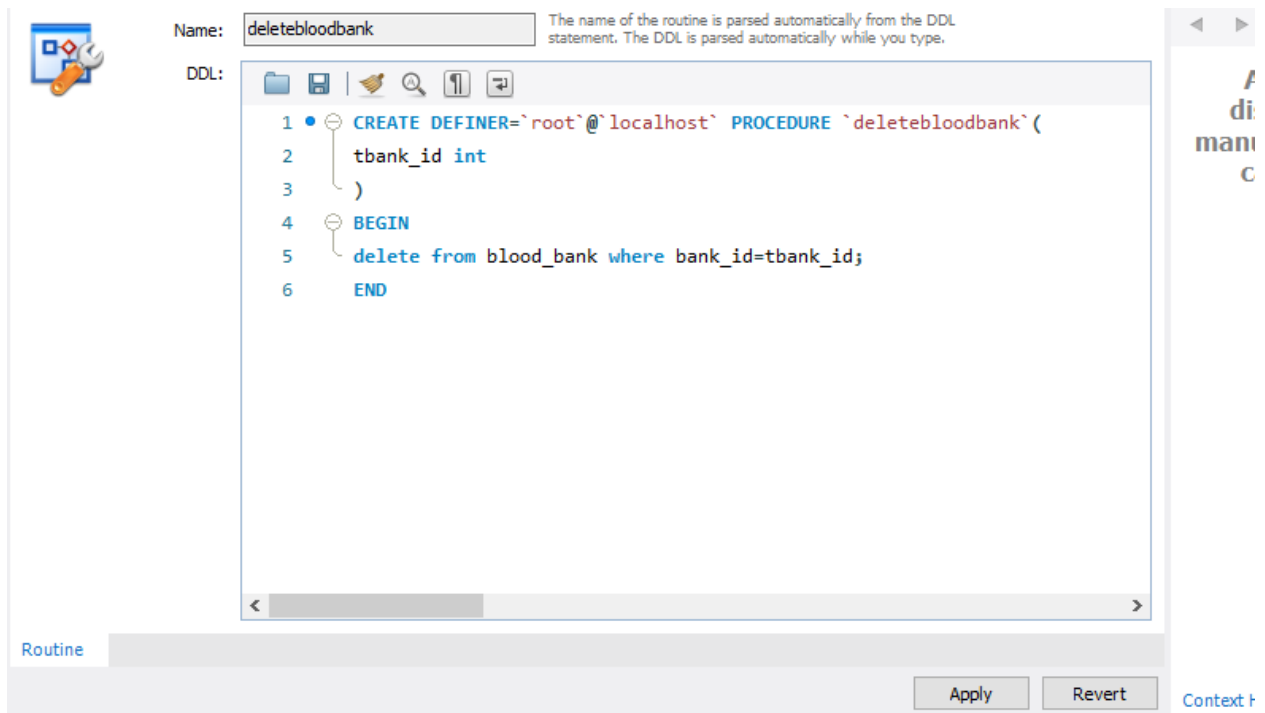


```

1
2 <%@page import="Project.ConnectionProvider"%>
3 <%@page import="java.sql.*"%>
4
5 String id = request.getParameter("id");
6 String name = request.getParameter("name");
7 String address = request.getParameter("address");
8 String phone_number = request.getParameter("phone_number");
9 String website = request.getParameter("website");
10 String email = request.getParameter("email");
11 String city = request.getParameter("city");
12
13 try{
14     Connection con=ConnectionProvider.getCon();
15     //PreparedStatement ps = con.prepareStatement("insert into hospital values(?,?,?,?,?,?)");
16     PreparedStatement ps = con.prepareStatement("call addhospital(?,?,?,?,?,?)");
17     ps.setString(1, id);
18     ps.setString(2, name);
19     ps.setString(3, address);
20     ps.setString(4, phone_number);
21     ps.setString(5, website);
22     ps.setString(6, email);
23     ps.setString(7, city);
24     ps.executeUpdate();
25     response.sendRedirect("addNewHospital.jsp?msg=valid");

```

Deletebloodbank



The screenshot shows a database management interface. At the top, the 'Name' field is set to 'deletebloodbank'. Below it, the 'DDL' tab is active, displaying the following SQL code:

```

1 CREATE DEFINER=`root`@`localhost` PROCEDURE `deletebloodbank`(
2     tbank_id int
3 )
4 BEGIN
5     delete from blood_bank where bank_id=tbank_id;
6 END

```

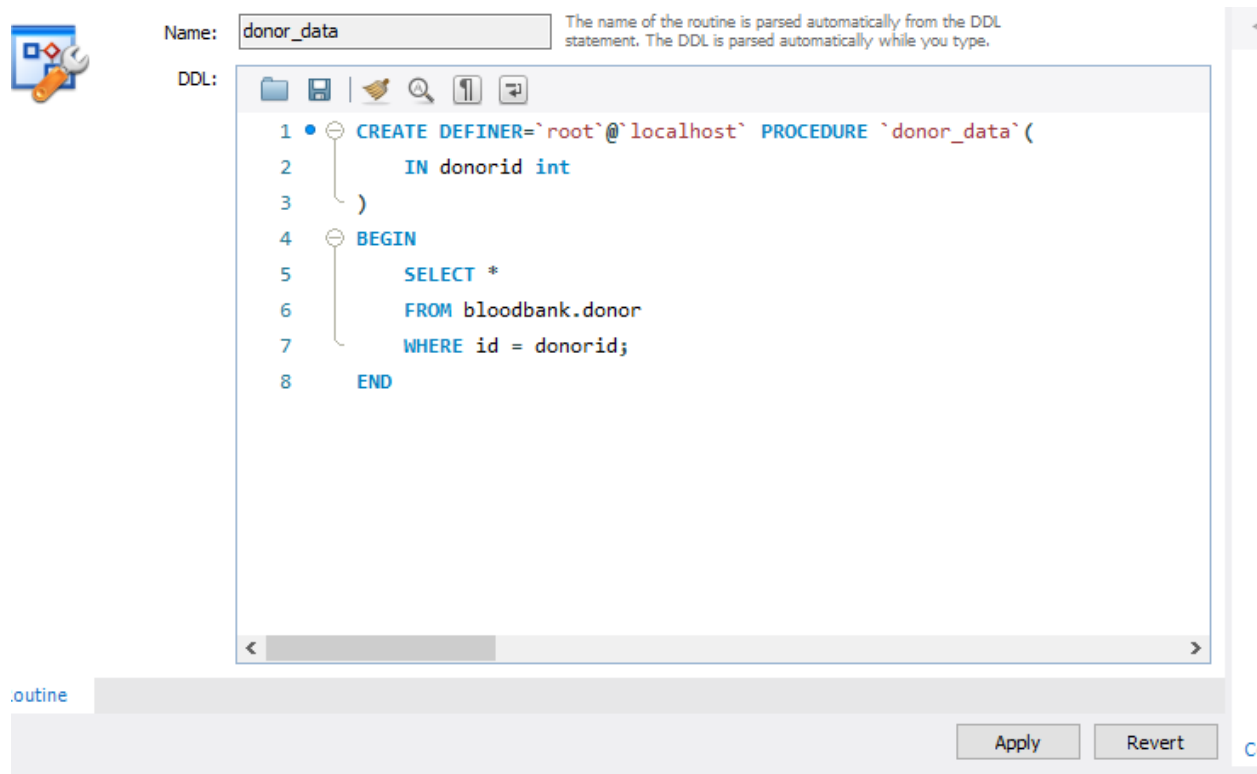
At the bottom of the interface, there are 'Apply' and 'Revert' buttons, and a 'Context' link.

```

String id=request.getParameter("id");
try{
    Connection con=ConnectionProvider.getCon();
    Statement st = con.createStatement();
    //st.executeUpdate("delete from blood_bank where bank_id='"+id+"'");
    st.executeUpdate("call deletebloodbank("+id+")");

```

Donor data

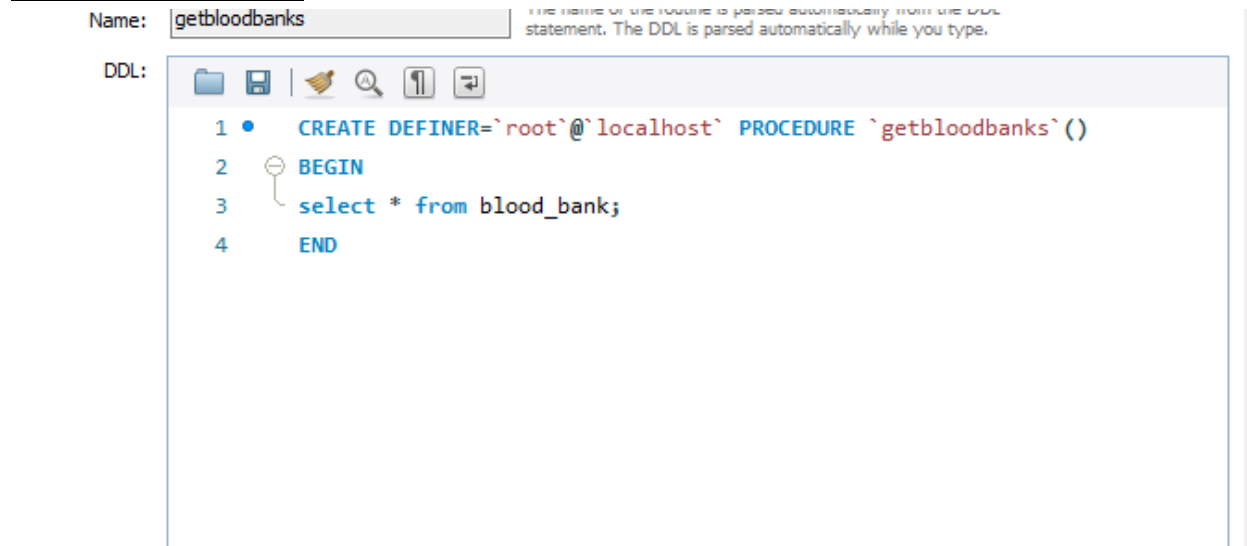


The screenshot shows a database IDE interface. At the top, there is a 'Name:' field containing 'donor_data'. To its right, a note states: 'The name of the routine is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.' Below this, the 'DDL:' section contains a code editor with the following SQL code:

```
1 CREATE DEFINER='root'@'localhost' PROCEDURE `donor_data` (  
2     IN donorid int  
3 )  
4 BEGIN  
5     SELECT *  
6     FROM bloodbank.donor  
7     WHERE id = donorid;  
8 END
```

At the bottom of the IDE, there are 'Apply' and 'Revert' buttons. A small 'outline' tab is visible on the left side of the bottom bar.

Getbloodbanks



The screenshot shows a database IDE interface. At the top, there is a 'Name:' field containing 'getbloodbanks'. To its right, a note states: 'The name of the routine is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.' Below this, the 'DDL:' section contains a code editor with the following SQL code:

```
1 CREATE DEFINER='root'@'localhost' PROCEDURE `getbloodbanks` ()  
2 BEGIN  
3     select * from blood_bank;  
4 END
```

E-BLOOD BANK

Home

Add

Edit/Delete

Add

Edit/Delete

Add

Edit/Delete

Manage

Request

Request

Logo

New

List of

Blood

Blood

New

Hospital

Stock

for

Completed

Blood

Donor

Donor

Bank

Bank

Hospital

Bank ID: 1

BloodBank Name

Husaini blood bank

City

Karachi

Phone Number

02146663426

E-BLOOD BANK

Home

Add

Edit/Delete

Add

Edit/Delete

Add

Edit/Delete

Manage

Request

Request

Logo

New

List of

Blood

Blood

New

Hospital

Stock

for

Completed

Blood

Donor

Donor

Bank

Bank

Hospital

updatebloodbank

Name: The name of the routine is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.

DDL:

```

1 CREATE DEFINER=`root`@`localhost` PROCEDURE `updatebloodbank` (
2   tname varchar(100),
3   tcity varchar(100) ,
4   tphone_no varchar(100),
5   temail varchar(200) ,
6   twebsite varchar(100),
7   tbank_id int
8 )
9 BEGIN
10  update blood_bank set name=tname,city=tcity,phone_no=tphone_no,
11  email=temail,website=twebsite where bank_id=tbank_id;
12 END

```

Home Add Edit/Delete Add Edit/Delete Add Edit/Delete Manage Request Request Log

E-BLOOD BANK New List of Blood Bank New Hospital Stock for Completed Blood

BloodBank Name

Husaini blood bank

City

Karachi

Phone Number

02135854748 (new number)

Email

husain@gmail.com

Activate Windows
Go to Settings to activate Windows.

Home Add Edit/Delete Add Edit/Delete Add Edit/Delete Manage Request Request Logo


E-BLOOD BANK New List of Blood Bank New Hospital Stock for Completed Blood

Successfully Updated!

ID	Name	City	Phone Number	Email	Website	Edit	Delete
1	Husaini blood bank	Karachi	02135854748	husain@gmail.com	husaini.com	Edit	Delete

5.3. Functions

Tax deduction Function



Name:

The name of the routine is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.

DDL:

```
1 CREATE DEFINER='root'@'localhost' FUNCTION `TacDeducted`(  
2   amt INT  
3 ) RETURNS int  
4   DETERMINISTIC  
5 BEGIN  
6   DECLARE aftar INT;  
7   SET aftar = amt*0.85;  
8   RETURN aftar;  
9 END
```

localhost:8999/ScdProject/contribute.jsp

E-BLOOD BANK Home Contribute Money Request Blood Donate Blood Search Blood Search For Blood Logout

How Much Would you like to Donate ?

\$100

\$500

\$1000

\$2000

\$5000

OR

Receipt Details

Full Name:-

Address(Optional):-

Email Id:-

Mobile Number:-

City(Optional):-

State(Optional):-

Activate Windows
Go to Settings to activate Windows.

The screenshot shows a web browser at `localhost:8999/ScdProject/contribute.jsp?msg=valid4250`. The page header for "E-BLOOD BANK" includes links: Home, Contribute Money, Request Blood, Donate Blood, Search Blood, Search For Blood, and Logout. A red banner below the header asks "How Much Would you like to Donate ?". Below the banner is a SQL query editor with the query `select * from bloodbank.contribution;`. The query results are displayed in a table with the following columns: name, address, email, contactnumber, city, state, amount, stamp, and TID. The first row shows data for a user named Munir, with an amount of 4250 and a timestamp of 2022-12-06 22:30:23. A second row is partially visible with NULL values.

name	address	email	contactnumber	city	state	amount	stamp	TID
Munir	B 46 gulshan	munir@gmail.com	032158567679	Karachi	Sindh	4250	2022-12-06 22:30:23	1
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Amount inserted is 4250 as function gave us a new value. 15% tax was deducted.

```
<%@page import="java.sql.Timestamp"%>
<%@page import="java.time.*"%>
<%@page import="java.sql.*"%>
<%
Date date= new Date();
long time = date.getTime();
Timestamp ts = new Timestamp(time);
String d= ts+"";
```

5.4. Views

Lahore Hospital View



Name: lahorehospital

The name of the view is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.

DDL:

```
1 • CREATE
2     ALGORITHM = UNDEFINED
3     DEFINER = `root`@`localhost` | SQL SECURITY DEFINER
4     VIEW `bloodbank`.`lahorehospital` AS   SELECT
5         `bloodbank`.`hospital`.`name` AS `name`,
6         `bloodbank`.`hospital`.`address` AS `address`,
7         `bloodbank`.`hospital`.`phone_number` AS `phone_number`,
8         `bloodbank`.`hospital`.`website` AS `website`,
9         `bloodbank`.`hospital`.`email` AS `email`,
10        `bloodbank`.`hospital`.`city` AS `city`
11     FROM
12        `bloodbank`.`hospital`
13     WHERE
14        (`bloodbank`.`hospital`.`city` = 'lahore')
```

Karachi Hospital View



Name: karachihospital

The name of the view is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.

DDL:

```
3     DEFINER = `root`@`localhost`
4     SQL SECURITY DEFINER
5     VIEW `bloodbank`.`karachihospital` AS
6     SELECT
7         `bloodbank`.`hospital`.`name` AS `name`,
8         `bloodbank`.`hospital`.`address` AS `address`,
9         `bloodbank`.`hospital`.`phone_number` AS `phone_number`,
10        `bloodbank`.`hospital`.`website` AS `website`,
11        `bloodbank`.`hospital`.`email` AS `email`,
12        `bloodbank`.`hospital`.`city` AS `city`
13     FROM
14        `bloodbank`.`hospital`
15     WHERE
16        (`bloodbank`.`hospital`.`city` = 'Karachi')
```

PrintNow

Name	Address	Phone Number	Website	Email	City
1	indus hospital	lines	02135854748	indus.com	indushos@ind.com

```

49 <th>Name</th>
41 <th>Address</th>
42 <th>Phone Numbers</th>
43 <th>Website</th>
44 <th>Email</th>
45 <th>City</th>
46 </tr>
47 <tr>
48 <td>
49 <td>
50 <td>
51 <td>
52 <td>
53 <td>
54 <td>
55 <td>
56 <td>
57 <td>
58 <td>
59 <td>
60 <td>
61 <td>
62 <td>
63 </tr>
64 </td>

```

iAction.jsp
 bloodbank.jsp
 hospitals.jsp
 odbank.jsp
 ipital.jsp
 rdbanks.jsp
 itals.jsp
 ock.jsp
 ockAction.jsp
 od.jsp
 odAction.jsp
 mpleted.jsp
 Blood.jsp
 BloodDelete.jsp
 BloodDone.iso

Sukkur Hospital View

Name: The name of the view is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.

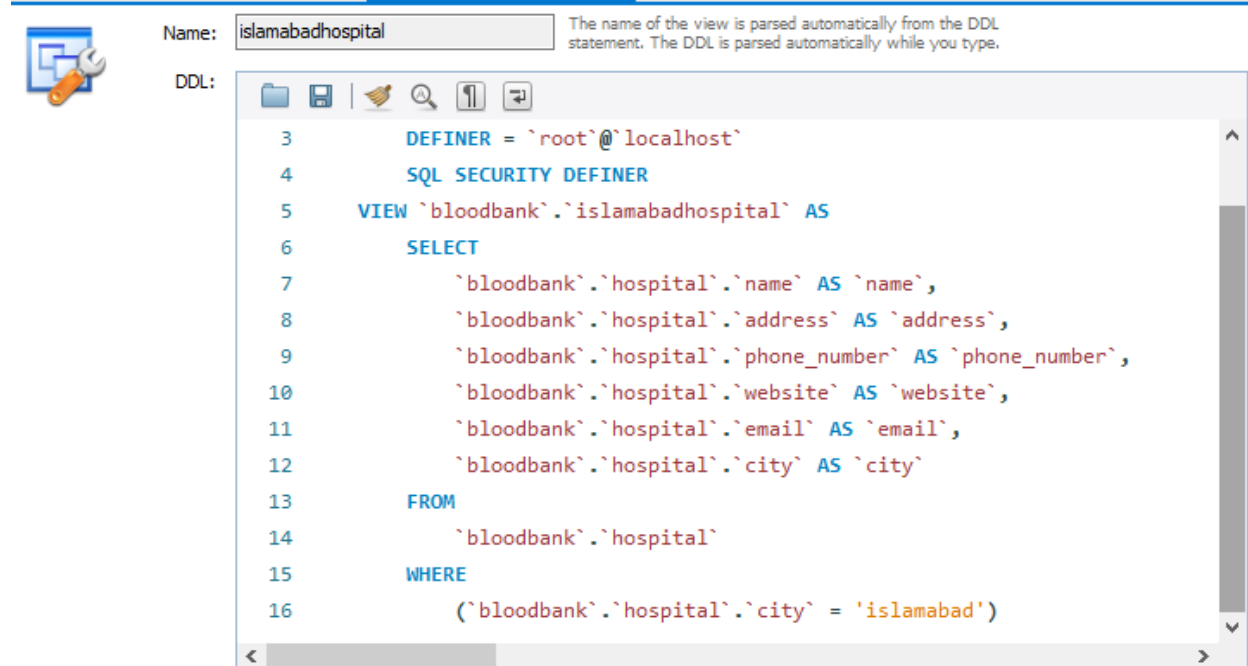
DDL:

```

3  DEFINER = `root`@`localhost`
4  SQL SECURITY DEFINER
5  VIEW `bloodbank`.`sukkurhospital` AS
6  SELECT
7    `bloodbank`.`hospital`.`name` AS `name`,
8    `bloodbank`.`hospital`.`address` AS `address`,
9    `bloodbank`.`hospital`.`phone_number` AS `phone_number`,
10   `bloodbank`.`hospital`.`website` AS `website`,
11   `bloodbank`.`hospital`.`email` AS `email`,
12   `bloodbank`.`hospital`.`city` AS `city`
13  FROM
14    `bloodbank`.`hospital`
15  WHERE
16    (`bloodbank`.`hospital`.`city` = 'sukkur')

```

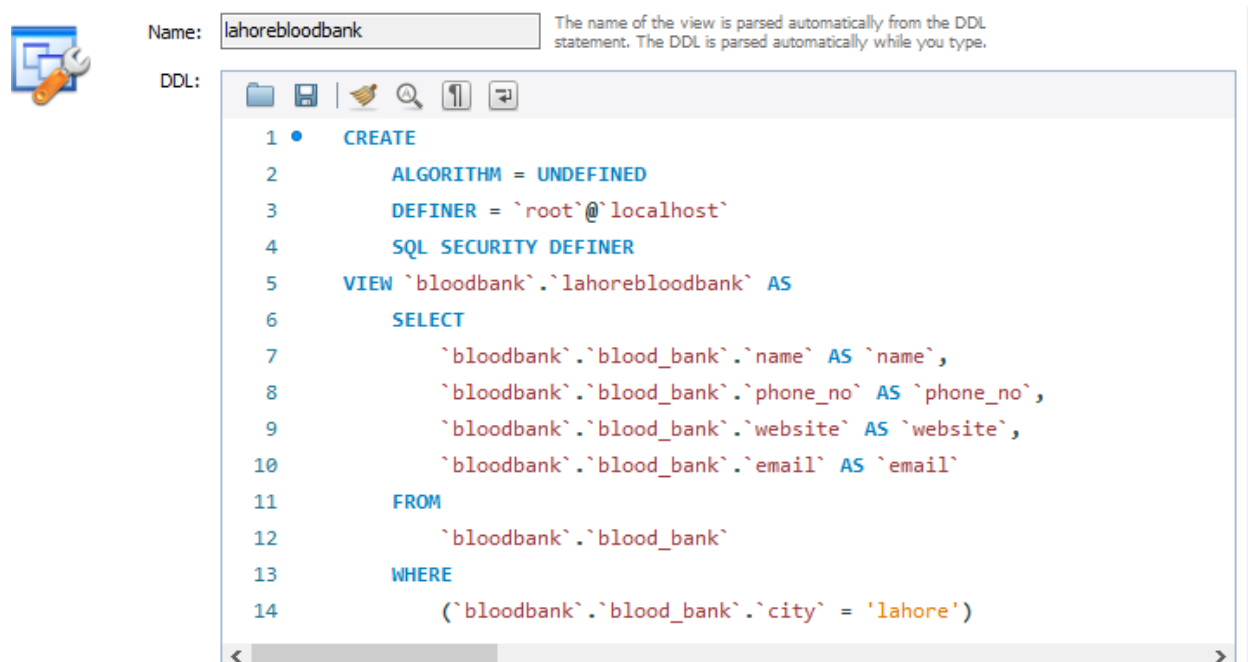
Islamabad Hospital View



The screenshot shows a database IDE window with a toolbar at the top. The 'Name' field contains 'islamabadhospital'. A tooltip above the DDL area states: 'The name of the view is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.' The DDL text is as follows:

```
3      DEFINER = `root`@`localhost`
4      SQL SECURITY DEFINER
5      VIEW `bloodbank`.`islamabadhospital` AS
6      SELECT
7          `bloodbank`.`hospital`.`name` AS `name`,
8          `bloodbank`.`hospital`.`address` AS `address`,
9          `bloodbank`.`hospital`.`phone_number` AS `phone_number`,
10         `bloodbank`.`hospital`.`website` AS `website`,
11         `bloodbank`.`hospital`.`email` AS `email`,
12         `bloodbank`.`hospital`.`city` AS `city`
13     FROM
14         `bloodbank`.`hospital`
15     WHERE
16         (`bloodbank`.`hospital`.`city` = 'islamabad')
```

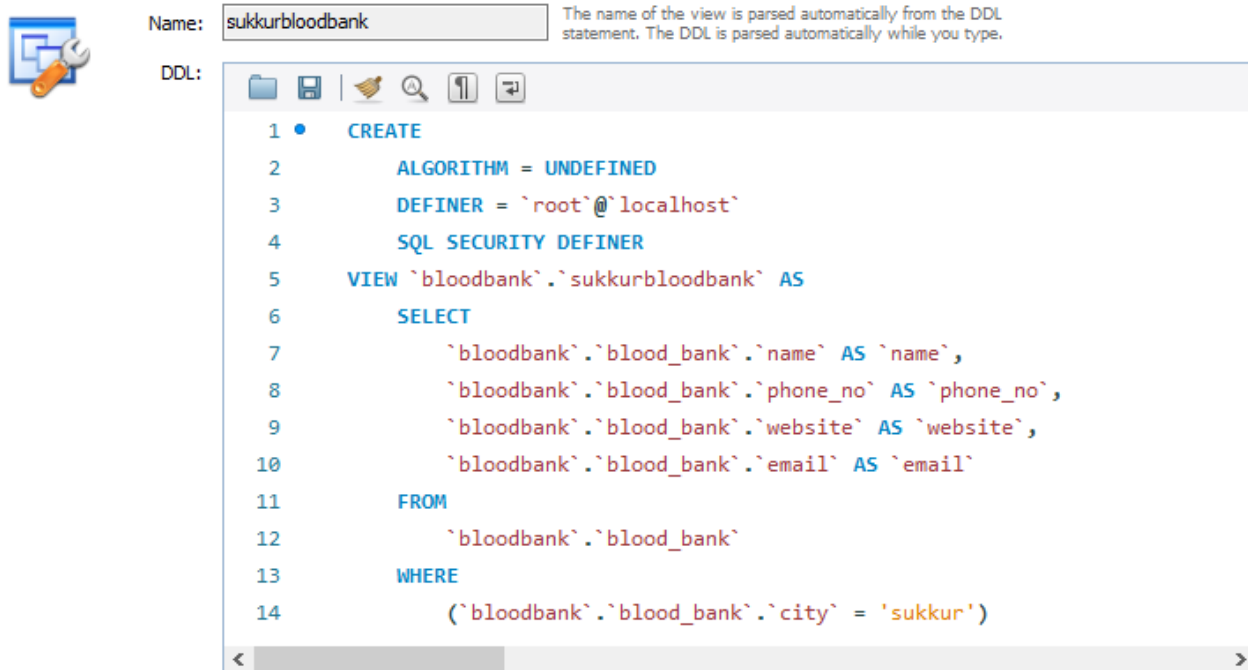
Lahore Bloodbank View



The screenshot shows a database IDE window with a toolbar at the top. The 'Name' field contains 'lahorebloodbank'. A tooltip above the DDL area states: 'The name of the view is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.' The DDL text is as follows:

```
1  CREATE
2      ALGORITHM = UNDEFINED
3      DEFINER = `root`@`localhost`
4      SQL SECURITY DEFINER
5      VIEW `bloodbank`.`lahorebloodbank` AS
6      SELECT
7          `bloodbank`.`blood_bank`.`name` AS `name`,
8          `bloodbank`.`blood_bank`.`phone_no` AS `phone_no`,
9          `bloodbank`.`blood_bank`.`website` AS `website`,
10         `bloodbank`.`blood_bank`.`email` AS `email`
11     FROM
12         `bloodbank`.`blood_bank`
13     WHERE
14         (`bloodbank`.`blood_bank`.`city` = 'lahore')
```

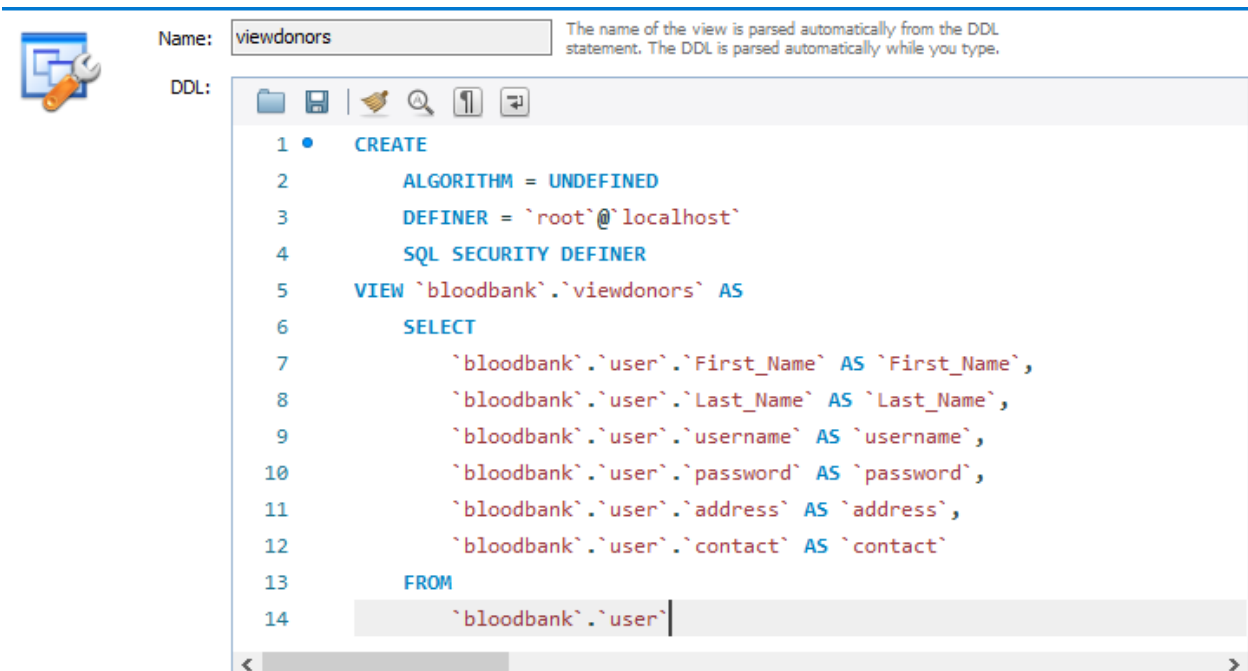
Sukkur bloodbank view



The screenshot shows a database IDE interface. At the top, there is a 'Name:' field containing 'sukkurbloodbank'. To its right, a note states: 'The name of the view is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.' Below this, the 'DDL:' section contains a SQL script for creating a view. The script is as follows:

```
1 • CREATE
2     ALGORITHM = UNDEFINED
3     DEFINER = `root`@`localhost`
4     SQL SECURITY DEFINER
5     VIEW `bloodbank`.`sukkurbloodbank` AS
6     SELECT
7         `bloodbank`.`blood_bank`.`name` AS `name`,
8         `bloodbank`.`blood_bank`.`phone_no` AS `phone_no`,
9         `bloodbank`.`blood_bank`.`website` AS `website`,
10        `bloodbank`.`blood_bank`.`email` AS `email`
11    FROM
12        `bloodbank`.`blood_bank`
13    WHERE
14        (`bloodbank`.`blood_bank`.`city` = 'sukkur')
```

Admin can view donors



The screenshot shows a database IDE interface. At the top, there is a 'Name:' field containing 'viewdonors'. To its right, a note states: 'The name of the view is parsed automatically from the DDL statement. The DDL is parsed automatically while you type.' Below this, the 'DDL:' section contains a SQL script for creating a view. The script is as follows:

```
1 • CREATE
2     ALGORITHM = UNDEFINED
3     DEFINER = `root`@`localhost`
4     SQL SECURITY DEFINER
5     VIEW `bloodbank`.`viewdonors` AS
6     SELECT
7         `bloodbank`.`user`.`First_Name` AS `First_Name`,
8         `bloodbank`.`user`.`Last_Name` AS `Last_Name`,
9         `bloodbank`.`user`.`username` AS `username`,
10        `bloodbank`.`user`.`password` AS `password`,
11        `bloodbank`.`user`.`address` AS `address`,
12        `bloodbank`.`user`.`contact` AS `contact`
13    FROM
14        `bloodbank`.`user`
```

5.5. Queries

```

try{
Connection con = ConnectionProvider.getCon();
Statement st = con.createStatement();
ResultSet rs = st.executeQuery("select * from donor where city='"+city+"'and bloodgroup='"+bg+"'");
while(rs.next())
{
// String contact = request.getParameter("contact");
5
7 try{
8 Connection con=ConnectionProvider.getCon();
9 PreparedStatement ps = con.prepareStatement("insert into user values(?,?,?,?,?,?)");
10 ps.setString(1, first_name);
11 ps.setString(2, last_name);
12 ps.setString(3, username);
13 ps.setString(4, password);
14 ps.setString(5, address);
15 ps.setString(6, contact);
16
17 ps.executeUpdate();
18 response.sendRedirect("user.jsp?msg=valid");
19
20 }
21 }

<%
String username=request.getParameter("username");
session.putValue("username",username);
String password=request.getParameter("password");
Connection con = ConnectionProvider.getCon();
Statement st= con.createStatement();
ResultSet rs=st.executeQuery("select * from user where username='"+username+"' and password='"+password+"'");
try{
    rs.next();
    if(rs.getString("password").equals(password)&&rs.getString("username").equals(username))
    {
        response.sendRedirect("userHome.jsp");
    }
    else{
        response.sendRedirect("userLogin.jsp?msg=invalid");
    }
}
}
catch (Exception e) {

```

Donate Blood Query

```

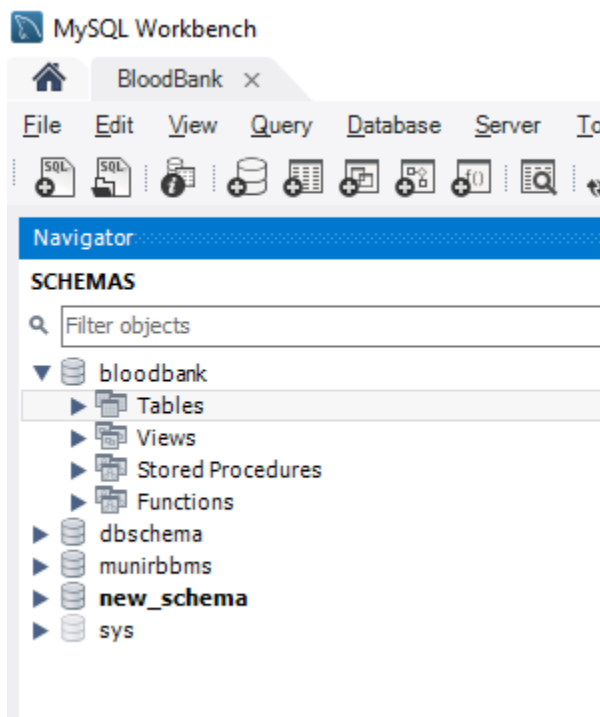
159 <%
160 int id=1;
161 try
162 {
163     Connection con = ConnectionProvider.getCon();
164     Statement st = con.createStatement();
165     ResultSet rs = st.executeQuery("select max(transid) from donortransaction");
166     while(rs.next())
167     {
168         id=rs.getInt(1);
169         id=id+1;
170     }
171 <%>
172 <div class="container">
173 <h1 style="color:red;">Transaction ID: <%out.print(id); %></h1>
174 <%>
175 }
176 catch(Exception e)
177 {}
178 %>

```



```
17
18 try{
19     Connection con=ConnectionProvider.getCon();
20     Statement st= con.createStatement();
21     PreparedStatement ps = con.prepareStatement("insert into donortransaction(transid,donorid,message,hospitalid, date, bloodgroup) v
22     //PreparedStatement ps = con.prepareStatement("call addbloodbank(?,?,?,?);");
23     ResultSet rs=st.executeQuery("select bloodgroup from donor where id="+did+"");
24     rs.next();
25     String bg=rs.getString("bloodgroup");
26     ps.setString(1, id);
27     ps.setString(2, did);
28     ps.setString(3, confirm);
29     ps.setString(4, hid);
30     ps.setString(5,d);
31     ps.setString(6,bg);
32     ps.executeUpdate();
33     response.sendRedirect("donateblood.jsp?msg=valid");
34 }
35 catch(Exception e)
36 {
37     response.sendRedirect("donateblood.jsp?msg=invalid");
38 }
39 %>
```

6.0. Connectivity Screenshots





7.0. Project Screenshots

7.1. User money donation

E-BLOOD BANK Home Contribute Money Request Blood Donate Blood Search Blood Search For Blood Logout

How Much Would you like to Donate ?

\$100 \$500 \$1000 \$2000 \$5000

OR
Enter Amount

Receipt Details

Full Name:-
Address(Optional):-
Email Id:-
Mobile Number:-
City(Optional):-
State(Optional):-

PROCESS TO PAY

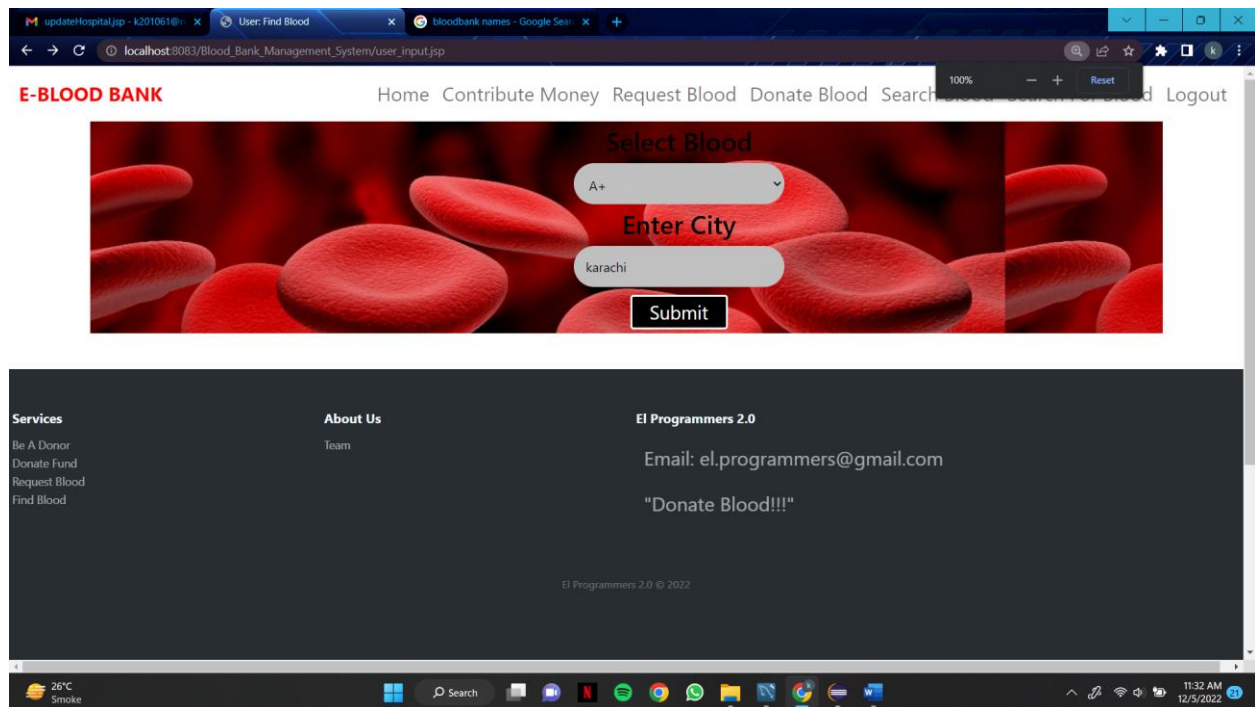
7.2. User receiver id

The screenshot shows a web browser window with the URL `localhost:8083/Blood_Bank_Management_System/requestBlood.jsp`. The page title is "E-BLOOD BANK". The navigation bar includes links: Home, Contribute Money, Request Blood, Donate Blood, Search Blood, Search For Blood, and Logout. The main content area is titled "Recipient ID: 10" in red. Below this, there is a form with the following fields: "Recipient Name" (with a placeholder "Enter Name"), "Mobile Number" (with a placeholder "Enter Mobile Number"), "Email" (with a placeholder "Enter Email"), and "Blood Group" (with a dropdown menu showing "A+"). A "Save" button is located at the bottom of the form. The background of the form area features a faint illustration of a person lying in a hospital bed with a drip chamber.

7.3. Donor donation blood

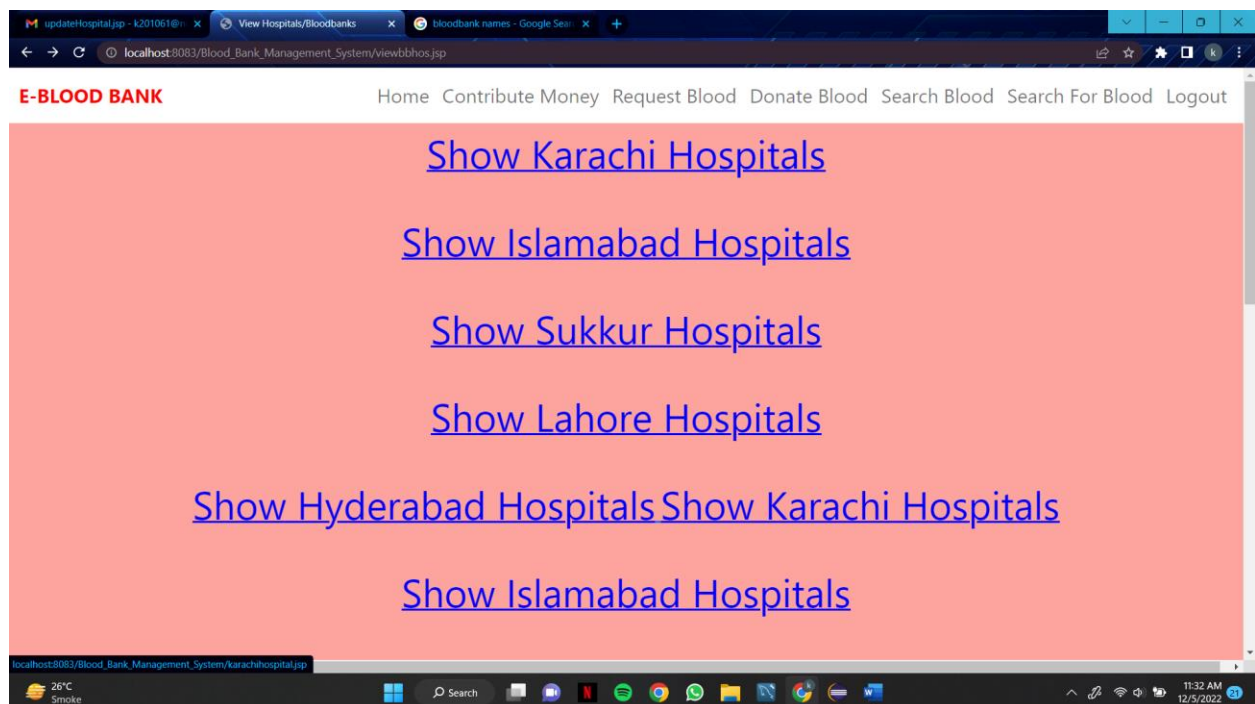
The screenshot shows a web browser window with the URL `localhost:8083/Blood_Bank_Management_System/donateblood.jsp`. The page title is "E-BLOOD BANK". The navigation bar includes links: Home, Contribute Money, Request Blood, Donate Blood, Search Blood, Search For Blood, and Logout. The main content area is titled "Transaction ID: 11" in red. Below this, there is a form with the following fields: "Donor Id" (with a placeholder "Enter Donor Id"), "Confirmation Message" (with a placeholder "I _____, Accept to make this donation."), and "Hospital Id" (with a placeholder "Enter Hospital Id" and a dropdown arrow). A "Save" button is located at the bottom of the form. The background of the form area features a faint illustration of a red blood cell.

7.4. Search for blood

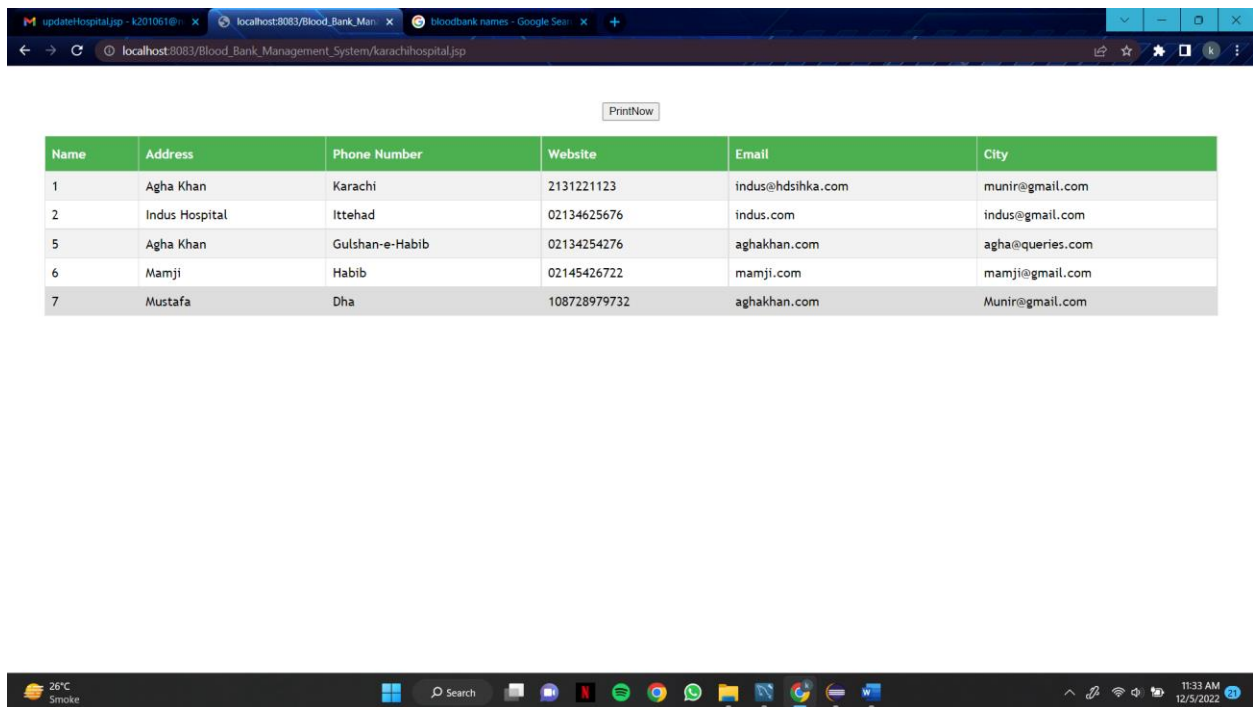


The screenshot shows a web browser window with the URL `localhost:8083/Blood_Bank_Management_System/user_input.jsp`. The page title is "E-BLOOD BANK". The navigation bar includes links: Home, Contribute Money, Request Blood, Donate Blood, Search Blood, Search For Blood, and Logout. The main content area features a "Select Blood" dropdown menu with "A+" selected, an "Enter City" input field with "karachi" entered, and a "Submit" button. The background of the search area is a close-up image of red blood cells. Below the search area, there is a footer section with "Services" (Be A Donor, Donate Fund, Request Blood, Find Blood), "About Us" (Team), and "El Programmers 2.0" (Email: el.programmers@gmail.com, "Donate Blood!!!", El Programmers 2.0 © 2022).

7.5. Show hospital data



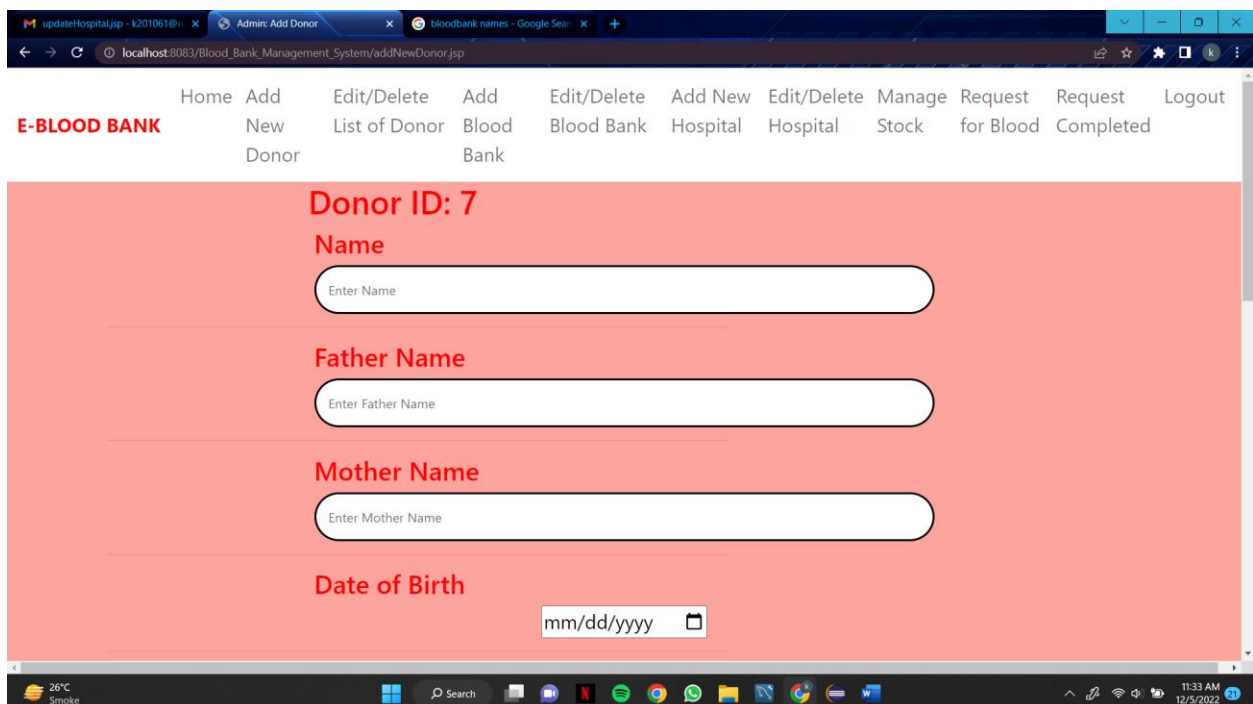
The screenshot shows a web browser window with the URL `localhost:8083/Blood_Bank_Management_System/viewbbhos.jsp`. The page title is "E-BLOOD BANK". The navigation bar includes links: Home, Contribute Money, Request Blood, Donate Blood, Search Blood, Search For Blood, and Logout. The main content area displays a list of hospital links: [Show Karachi Hospitals](#), [Show Islamabad Hospitals](#), [Show Sukkur Hospitals](#), [Show Lahore Hospitals](#), [Show Hyderabad Hospitals](#), [Show Karachi Hospitals](#), and [Show Islamabad Hospitals](#). The background of the content area is a solid light pink color. The footer section is identical to the previous screenshot.



Print Now

Name	Address	Phone Number	Website	Email	City
1	Agha Khan	Karachi	2131221123	indus@hdsihka.com	munir@gmail.com
2	Indus Hospital	Ittehad	02134625676	indus.com	indus@gmail.com
5	Agha Khan	Gulshan-e-Habib	02134254276	aghakhan.com	agha@queries.com
6	Mamji	Habib	02145426722	mamji.com	mamji@gmail.com
7	Mustafa	Dha	108728979732	aghakhan.com	Munir@gmail.com

7.6. Add donor



Home Add Edit/Delete Add Edit/Delete Add New Edit/Delete Manage Request Request Logout
New List of Donor Blood Blood Bank Hospital Hospital Stock for Blood Completed
Donor Bank

E-BLOOD BANK

Donor ID: 7

Name
Enter Name

Father Name
Enter Father Name

Mother Name
Enter Mother Name

Date of Birth
mm/dd/yyyy

7.7. Edit delete hospital,donor,bloodbank

updateHospital.jsp - k2010618... Admin: Edit List bloodbank names - Google Sea...
localhost:8083/Blood_Bank_Management_System/editDeleteList.jsp

Home Add Edit/Delete Add Edit/Delete Add New Edit/Delete Manage Request Request Logout
New List of Donor Blood Blood Bank Hospital Hospital Stock for Blood Completed
Donor Bank

E-BLOOD BANK

ID	Name	Father Name	Mother Name	Date Of Birth	Weight	Mobile Number	Gender	Email	Blood Group	City	Edit	Delete
1	Mustafa	Zahid	Aasia	2022-12-28	54.0	9302847	Male	thewatch786@hotmail.com	A+	Karachi	Edit	Delete
2	Musti	Zahid Jamil	Aasia	2022-12-28	55.0	0321321321	Male	shabby@nu.edu.pk	A+	karahi	Edit	Delete
3	Dehya	Khurraim	Aisha	2022-12-24	50.0	0321321321	Male	dehya@nu.edu.pk	A+	Lahore	Edit	Delete
4	Raza Ali	Abidi	Koyal	2022-08-11	65.0	0321321321	Male	thewatch786@hotmail.com	A+	Lahore	Edit	Delete
6	Pinky	Fast	nida	2022-12-22	89.0	03022334330	Female	munist@gmail.com	AB+	Lahore	Edit	Delete

26°C Smoke 11:33 AM 12/5/2022

updateHospital.jsp - k2010618... Admin: Edit Blood Bank bloodbank names - Google Sea...
localhost:8083/Blood_Bank_Management_System/editDeleteBloodbank.jsp

Home Add Edit/Delete Add Edit/Delete Add New Edit/Delete Manage Request Request Logout
New List of Donor Blood Blood Bank Hospital Hospital Stock for Blood Completed
Donor Bank

E-BLOOD BANK

ID	Name	City	Phone Number	Email	Website	Edit	Delete
2	Tapowan Blood Bank Samitee	Srinagar	0378279	thewatch786@hotmail.com	hsja.com	Edit	Delete
3	chugtai lab	q street	123231213	chugtai@gmail.com	chugtailabs@cl.com	Edit	Delete
5	Taposha	Islamabad	0213426213	taposha@gmail.com	Taposhi.com	Edit	Delete
6	Indus Blood Bank	Karachi	0842189112	indusbloodbank@edu.pk	indus@hdsihka.com	Edit	Delete
7	PinkyBB	Karachi	0213542143	pinky@nu.edu.pk	pinky.com	Edit	Delete
8	rafiq	Karachi	213213213213	shabby@nu.edu.pk	Taposhi.com	Edit	Delete
9	Rotary Blood Bank.	Sukkur	02135172728	rotary@gamil.com	rotary.com	Edit	Delete

26°C Smoke 11:33 AM 12/5/2022

updateHospital.jsp - k201061@... Admin: Edit Hospital bloodbank names - Google Search

localhost:8083/Blood_Bank_Management_System/editDeleteHospital.jsp

E-BLOOD BANK

Home Add Edit/Delete Add Edit/Delete Add New Edit/Delete Manage Request Request Logout
New List of Donor Blood Bank Hospital Hospital Stock for Blood Completed

ID	Name	Address	Phone Number	Website	Email	City	Edit	Delete
1	Agha Khan	Karachi	2131221123	indus@hdsihka.com	munir@gmail.com	karachi	Edit	Delete
2	Indus Hospital	Ittehad	02134625676	indus.com	indus@gmail.com	Karachi	Edit	Delete
4	Mamji Hospital	Gulshan-e-Jamaal	0213256326	mamji.com	mamjiqueries@gmail.com	Lahore	Edit	Delete
5	Agha Khan	Gulshan-e-Habib	02134254276	aghakhan.com	agha@queries.com	Karachi	Edit	Delete
6	Mamji	Habib	02145426722	mamji.com	mamji@gmail.com	Karachi	Edit	Delete
7	Mustafa	Dha	108728979732	aghakhan.com	Munir@gmail.com	Karachi	Edit	Delete

26°C Smoke 11:33 AM 12/5/2022

7.8. Manage stock

updateHospital.jsp - k201061@... Admin: Manage Stock bloodbank names - Google Search

localhost:8083/Blood_Bank_Management_System/manageStock.jsp

Select Blood Group

A+

Select Increase/Decrease

Increase

Units

Enter Units

Save

Blood Group	Units
A-	100
A+	115
AB-	100

26°C Smoke 11:33 AM 12/5/2022

7.9. Search for blood

Donor List

ID	Name	Father Name	Mother Name	Date Of Birth	Height	Mobile Number	Gender	Email	Blood Group	City
1	Mustafa	Zaid	Aam	2022-12-28	34.0	9222447	Male	cmwacw774@hotmail.com	A+	Karachi

Bank Name	City	Phone Number	Email	Website
Indus Blood Bank	Karachi	(042) 981112	indusbloodbank@indus.pk	indus@indus.com
ProcyBB	Karachi	(021) 5942143	procyb@nu.edu.pk	procyb.com
ratq	Karachi	(212) 13215213	ratq@nu.edu.pk	topcom.com

Hospital List

Hospital Name	Address	Phone Number	Website	Email	City
Algha Khan	Karachi	2171221722	ndus@ndus.com	ndus@gmail.com	Karachi
Indus Hospital	Islamabad	011-9425476	ndus.com	ndus@gmail.com	Karachi
Algha Khan	Gulshan-e-Iqbal	021-9425476	algha.com	algha@gmail.com	Karachi
Nasir	Mirpur	021-9425472	nasir.com	nasir@gmail.com	Karachi
Mustafa	Dha	108728979722	algha.com	ndus@gmail.com	Karachi

7.10. Requests status

E-BLOOD BANK

Home Add Edit/Delete Add Edit/Delete Add New Edit/Delete Manage Request Request Logout
New List of Donor Blood Blood Bank Hospital Hospital Stock for Blood Completed
Donor Bank

Recipient Id	Name	Mobile Number	Email	Blood Group	Status	Stamp	Done	Delete
8	Hassan	036756832	hassan@gmail.com	O+	pending	2022-12-04 20:57:15	Done	Delete

Services
Be A Donor
Donate Fund
Request Blood
Find Blood

About Us
Team

El Programmers 2.0
Email: el.programmers@gmail.com
"Donate Blood!!!"

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7.11. Check requests completed

E-BLOOD BANK

Home Add Edit/Delete Add Edit/Delete Add New Edit/Delete Manage Request Request Logout
New List of Donor Blood Blood Bank Hospital Hospital Stock for Blood Completed
Donor Bank

Recipient Id	Name	Mobile Number	Email	Blood Group	Status
1	unir	2131221123	munir@gmail.com	A+	completed
2	Munni	2131221123	munir@gmail.com	A+	completed
3	uniradsads	2131221123	munir@gmail.com	A+	completed
4	Aman	073892718	amannadeem@gmail.com	AB-	completed
5	Abidi	028939921	thewatch786@hotmail.com	B+	completed
6	Raza Ali	03256257	thewatch786@hotmail.com	A+	completed
7	Shoaib	0321321321	shabby@nu.edu.pk	B-	completed
9	Mustafa	03022334330	mustafazahid167@gmail.com	B+	completed

Services
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Request Blood
Find Blood

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Team

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