



A Project Report

On

Blood Bank Management System

By

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**B.E (Electronics and
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Batch: - 2020 – 5078

Center:- Pune

Under the Guidance of,

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Technical Trainer

EduBridge

(School of coding)

Introduction:

Our project explains about the Blood Bank management . The main aim of developing this system is to provide blood to the people who are in need of blood. Using this system user can search blood group available in blood bank and also people can register himself or herself who want to donate blood. To register in the system they have to enter their contact information like address , mobile number etc. Modules of Blood Bank Management System :-

- *Admin*
- *Donors*
- *Donors Registration*
- *Modifying Donor Information*
- *Acceptors*
- *Stock Management*
- *Donor Search*

Blood bank management project in java using JSP, Servlet, MYSQL, and Eclipse IDE. It's using MVC architecture and running on the Tomcat Server. Let's check out the complete functionalities of Blood Bank management project in java.

This project is performing all the basic operations like Crud operations (Add, Edit, Update, Delete). It's using MySQL to manage the back end activity.

Software Requirements:

Frontend: Java/J2EE technologies (Servlet, JSP),HTML, CSS, JDBC.

Backend: MySQL.

Middleware/Server: Apache

Tomcatv9.0.

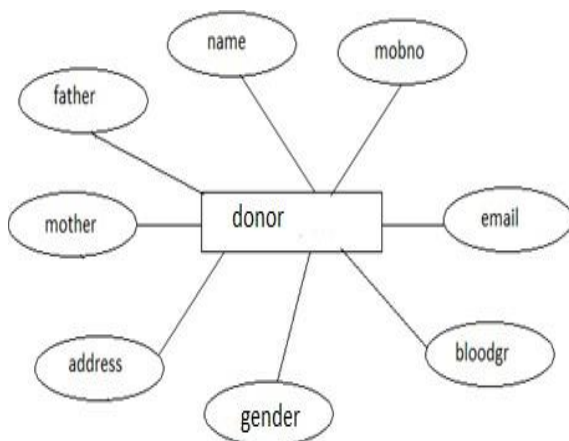
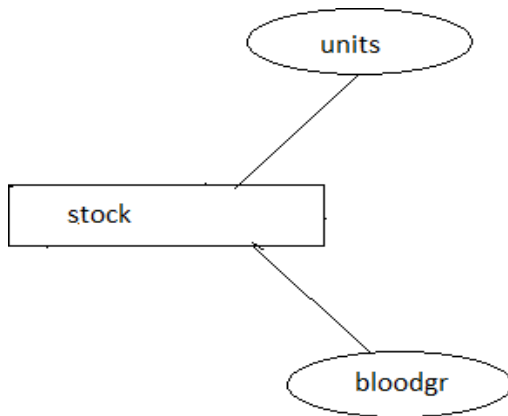
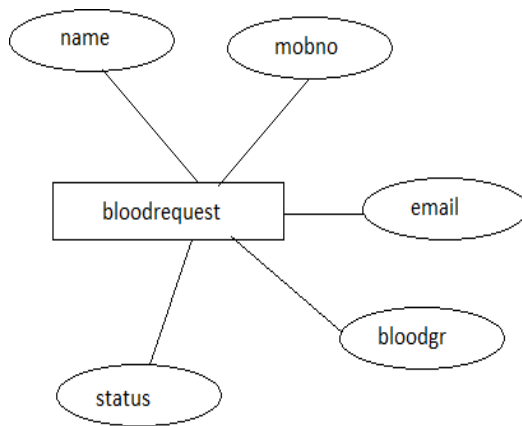
IDE: Eclipse IDE for JavaEE Developers

Browser: Best result on Google

ChromeOperating System: Window

XP(Minimum).

ERD (Entity Relationship Diagram):



Data Dictionary:

Table name: Donor

```
CREATE TABLE donor(  
    id int(10),  
    name varchar(200),  
    father varchar(200),  
    mother varchar(200),  
    mobno varchar(10),  
    gender varchar(30),  
    email varchar(200),  
    bloodgr varchar(20),  
    address varchar(200)  
);
```

Table: Stock

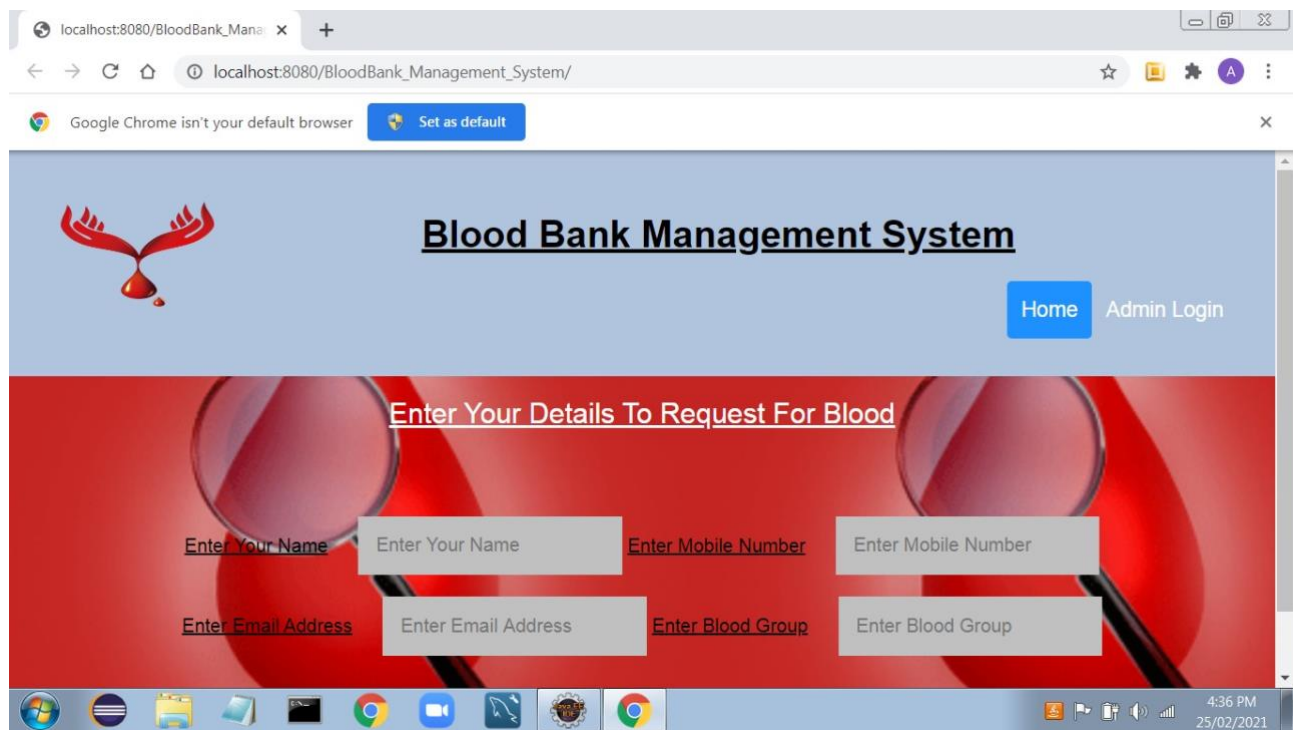
```
CREATE TABLE stock(  
    bloodgr varchar(100),  
    units varchar(50)  
);
```

Table: BloodRequest

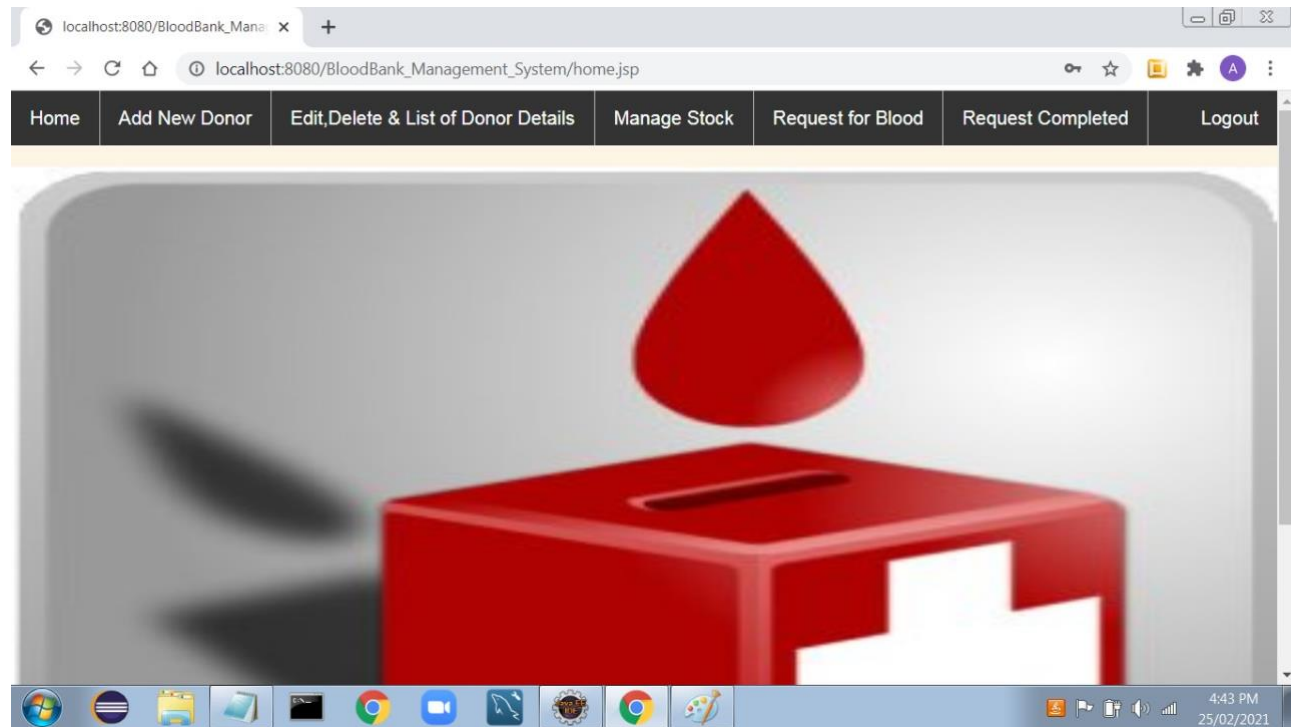
```
CREATE TABLE bloodrequest(  
    name varchar(30),  
    mobno varchar(10),  
    email varchar(30),  
    bloodgr varchar(10),  
    status varchar(100)  
);
```

Screenshots :-

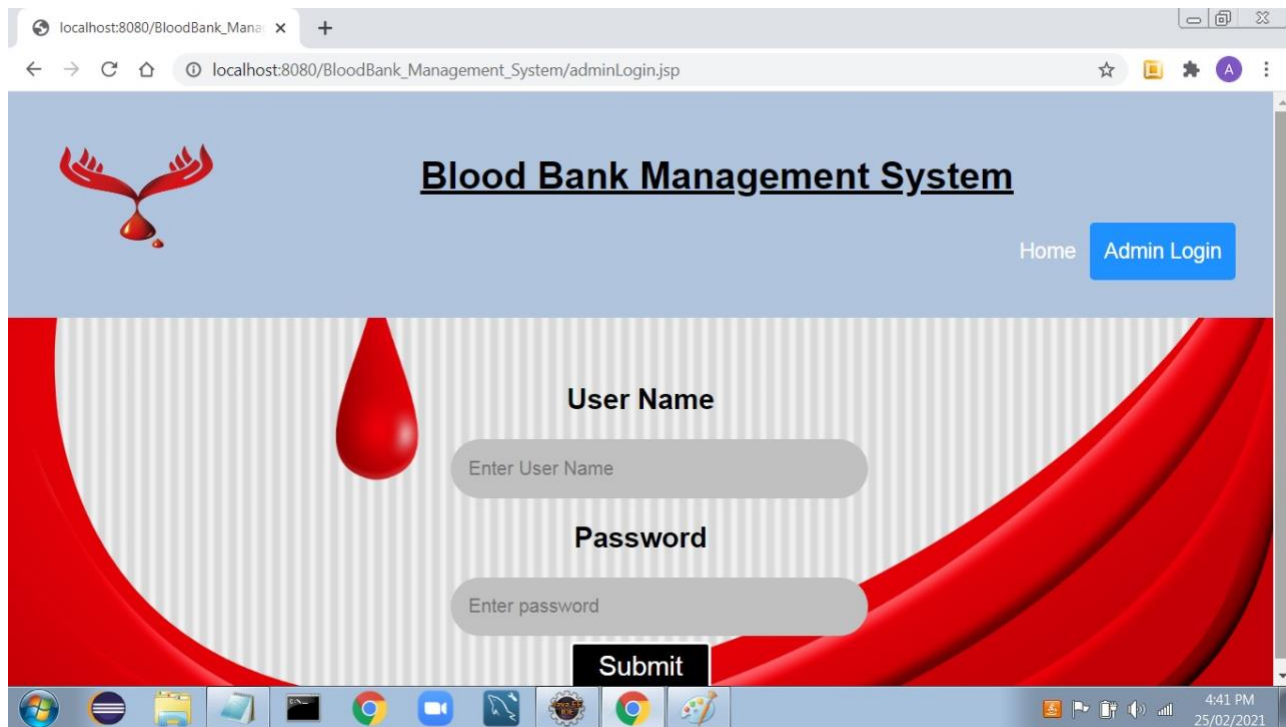
Index Page:-



Home After Login :-



Login Page :-



Donor Registration :-

localhost:8080/BloodBank_Management_System/addNewDonor.jsp

Home Add New Donor Edit,Delete & List of Donor Details Manage Stock Request for Blood Request Completed Logout

Donor ID: 3

Name

Enter Name

Father Name

Enter Father Name

Mother Name

Enter Mother Name

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localhost:8080/BloodBank_Manage x +

loodBank_Management_System/addNewDonor.jsp

localhost:8080/B

Mobile Number

Enter Mobile Number

Gender

Male

Email

Enter Email Address

Blood Group

A+

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localhost:8080/BloodBank_Manage x +

localhost:8080/BloodBank_Management_System/addNewDonor.jsp

Male

Email

Enter Email Address

Blood Group

A+

Address

Enter Address

Save

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Stock Management:-

localhost:8080/BloodBank_Manage x +

localhost:8080/BloodBank_Management_System/manageStock.jsp

Home Add New Donor Edit,Delete & List of Donor Details Manage Stock Request for Blood Request Completed Logout

Select Blood Group

A+ B-

A+ B+

Select Increase / Decrease

Increase

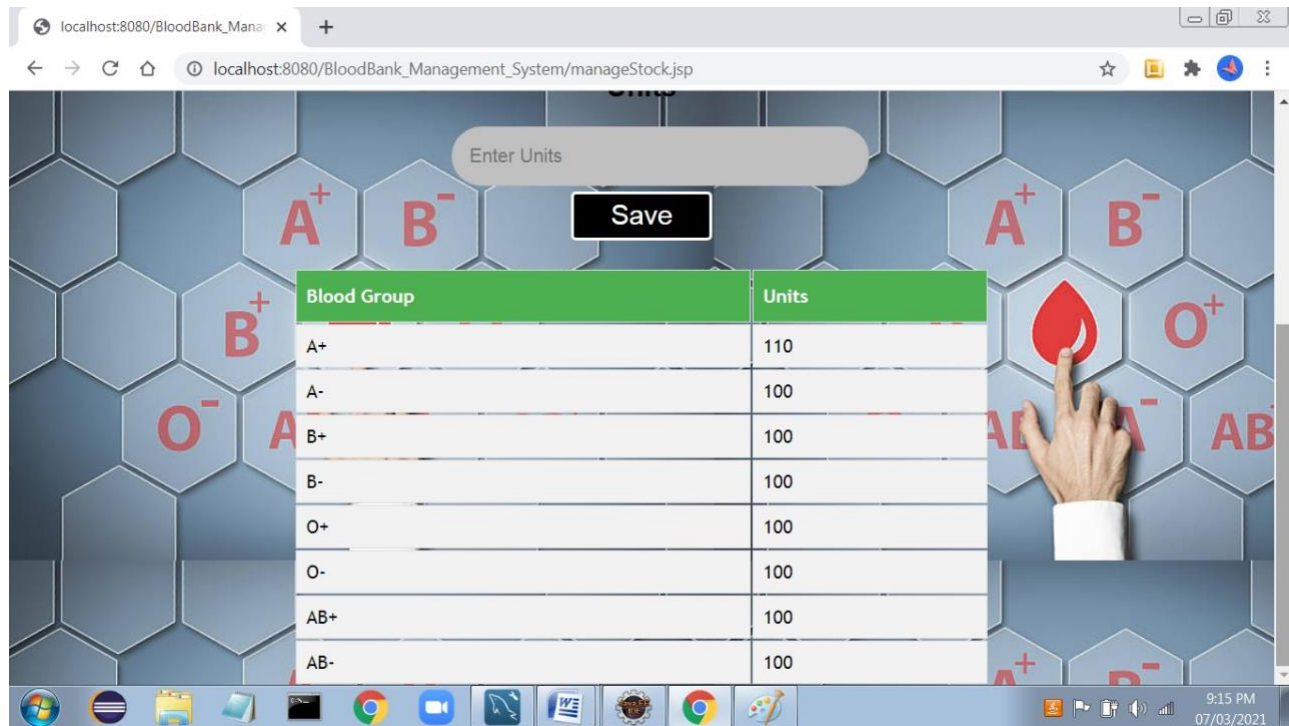
Units

Enter Units

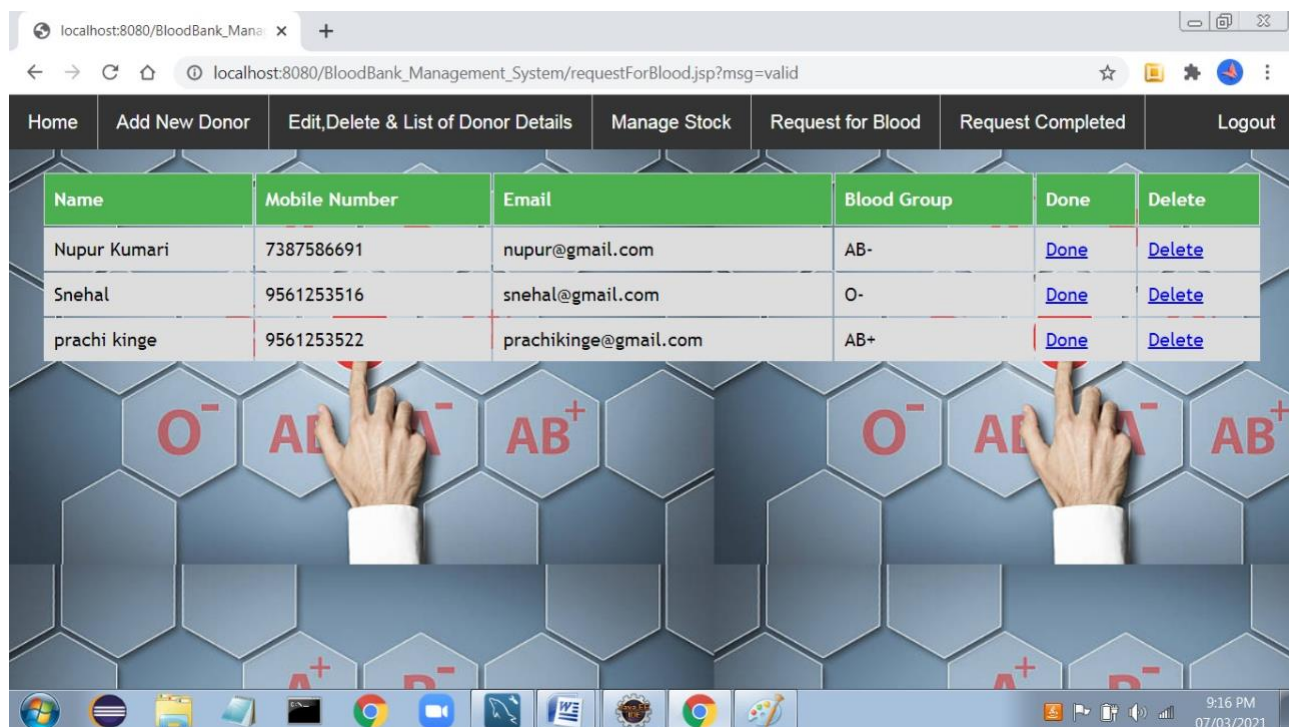
Save

Blood Group	Units
-------------	-------

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Request For Blood Page:-



Request Completed Page :-

localhost:8080/BloodBank_Manage x +

localhost:8080/BloodBank_Management_System/requestCompleted.jsp

Home Add New Donor Edit, Delete & List of Donor Details Manage Stock Request for Blood Request Completed Logout

Name	Mobile Number	Email	Blood group
Ankita	9607659404	Ankitajambhale19@gmail.com	B+
Ankita	9607659404	Ankitajambhale19@gmail.com	B+

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