

DELHI TECHNOLOGICAL UNIVERSITY



PROJECT REPORT

TOPIC
BLOOD-BANK MANAGEMENT SYSTEM.
(USING PHP & MYSQL)

CWS PROJECT

DATABASE MANAGEMENT SYSTEM
(IT-202)

SUBMITTED BY :-

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UNDER THE GUIDANCE OF – MRS. ANUSHA CHHABRA

DEPARTMENT OF INFORMATION TECHNOLOGY
(DTU)

CONTENTS :-

| | |
|--|----|
| ○ CERTIFICATE | 3 |
| ○ ACKNOWLEDGMENT..... | 4 |
| ○ ABSTRACT..... | 5 |
| ○ ROLE OF BLOOD BANK..... | 6 |
| ○ PROBLEM STATEMENT..... | 7 |
| ○ FUNCTIONALITIES OF THE SYSTEM..... | 8 |
| ○ SOFTWARE/HARDWARE REQUIREMENTS..... | 9 |
| ○ DATA-FLOW DIAGRAM..... | 10 |
| ○ MODULES IN THE PROJECT..... | 11 |
| ○ ER-DIAGRAM OF THIS SYSTEM..... | 12 |
| ○ PROJECT CODE (WITH MYSQL QUERIES)..... | 13 |
| ○ RESULTS & PERFORMANCE ANALYSIS | 21 |
| ○ VIDEO DEMO OF PROJECT..... | 26 |
| ○ ADVANTAGES/DISADVANTAGES OF BBMS..... | 27 |
| ○ CONCLUSION....., | 28 |
| ○ FUTURE SCOPE..... | 29 |
| ○ BIBLIOGRAPHY..... | 30 |

DEPARTMENT OF INFORMATION TECHNOLOGY
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CERTIFICATE

This is to certify that *Ishaan Jaggi* (2K19-IT-062) ; BTech [IT] ; Second year student of ***Delhi Technological University*** has done a Project work (MTE) on the Topic : **BLOOD-BANK MANAGEMENT SYSTEM USING PHP & MYSQL** under the guidance of ***Mrs. Anusha Chhabra*** (Asst. Prof.) during the time period of ***Jan-May 2021***.

Regards :-

Mrs. Anusha Chhabra
(Asst. Prof.)

**DEPARTMENT OF INFORMATION TECHNOLOGY
(DTU)**

ACKNOWLEDGMENT

I would like to convey my heartfelt thanks to our supervisor, **Mrs. Anusha Chhabra** for her ingenious ideas, tremendous help and cooperation. I am extremely grateful to my friends who gave valuable suggestions and guidance for completion of my project.

The cooperation and healthy criticism came handy and useful with them. Finally, I would like to thank all of the above mentioned people once again.

**Ishaan Jaggi
(2K19-IT-062)**

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ABSTRACT

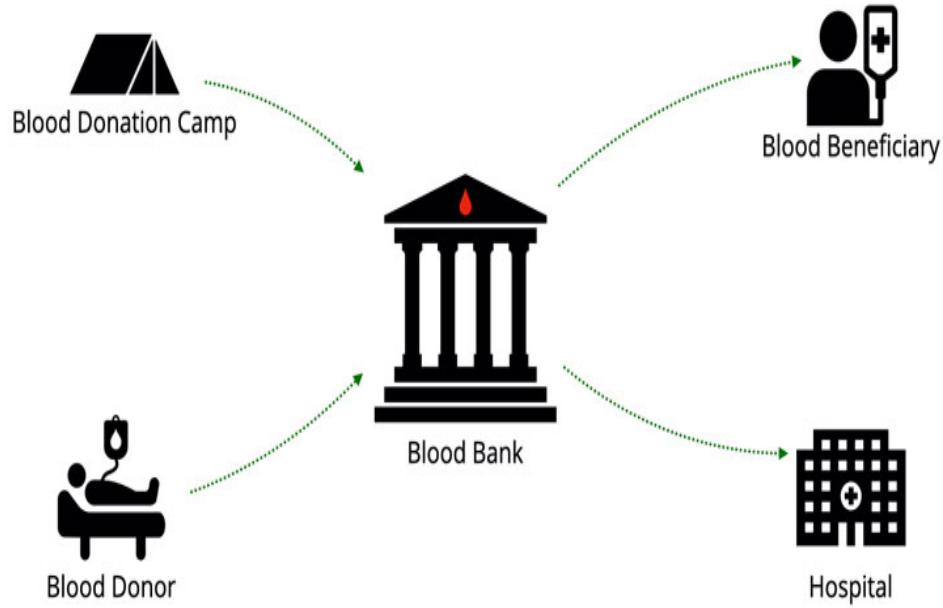
Blood-Bank Management System (BBMS) is a program based framework that is intended to store, measure, recover and examine data worried about the regulatory and stock administration inside a blood donation centre. This task targets keeping up all the data relating to blood benefactors, diverse blood bunches accessible in each blood donation centre and assist them with dealing with a superior way.



Point is to give straightforwardness in this field, make the way toward acquiring blood from a blood donation centre issue free and debasement free and make the arrangement of blood donation centre administration viable. These subtleties incorporate blood classification, stockpiling territory and date of capacity. Upkeep and the checking of blood stores become simple with the assistance of this framework. The venture is an online framework that gives a choice to check the accessibility of the necessary blood bunch inside the blood donation centre.

ROLE OF BLOOD BANK ??

- A. Blood banks play an important role in the process of **collecting blood** and managing blood stocks, approving blood requests, updating donations and updating available blood types.
- B. Blood Bank Management system will greatly increase the safety and quality of the blood supply as well as provide **logistics data** for the optimal supply chain management.
- C. Blood Bank is very important because it **helps the needy** when he/she requires blood in difficult stages like blood deficiencies & so on.

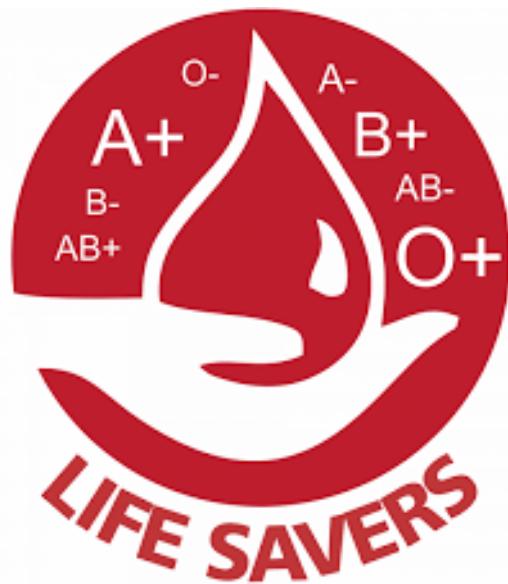


PROBLEM STATEMENT

- The purpose of ***Blood Bank Management System*** is to automate the existing manual system by the help of ***computerized tools*** and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with ***easy accessing*** and manipulation of the same.
- The required software are easily available and easy to work with. Blood Bank Management System, as described above, can lead to error free, secure, reliable and ***fast management system***. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.
- The ***Aim*** is to automate its existing manual system by the help of computerized tools and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

FUNCTIONALITIES OF THE SYSTEM

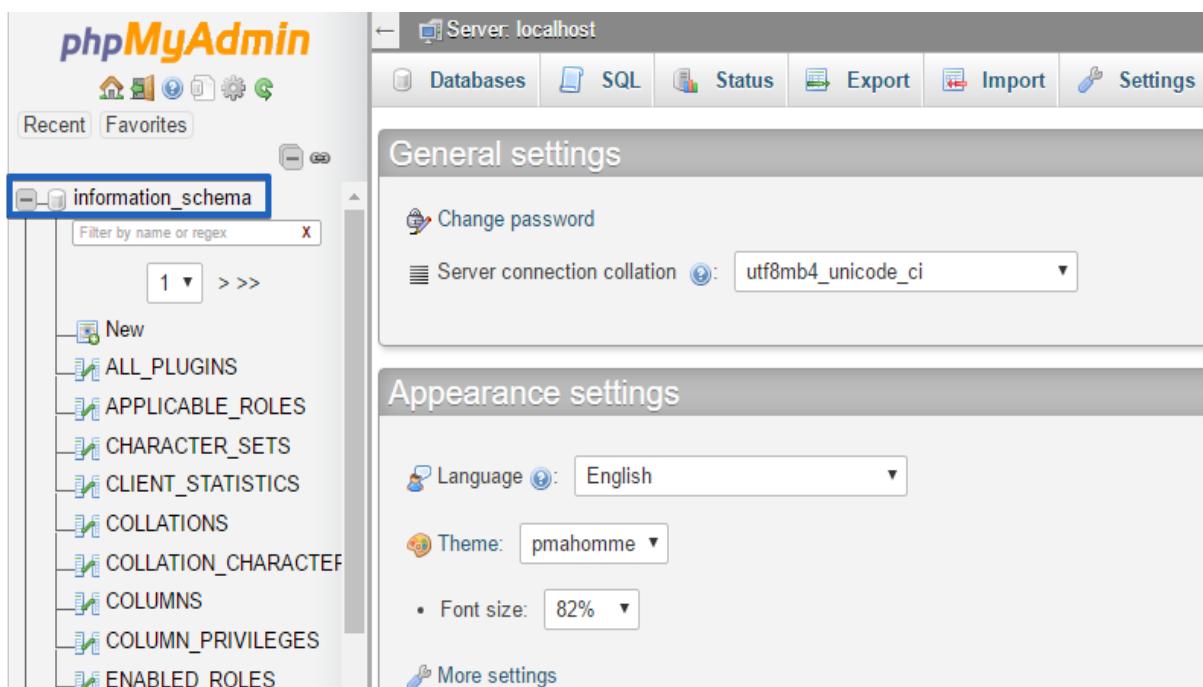
- It manages the **Donor details** for the Blood stock & for fetching the information of all donors.
- It manages the information of Blood Groups.
- The system can **edit, update, delete** etc. the information of people in the blood-bank online Database.



- It carries all records of the **blood stock**.
- It also monitors all the **transactions** of blood with units & blood groups.
- It also shows the **address and description** of the donor or receiver in the database.
- It has a proper **Login Page for Donor as well as for Admin**.

SOFTWARE/HARDWARE REQUIREMENTS

1. **XAMPP** Server is used to run the Project.
2. **MySQL** works as the queries to reach the Database.
3. **PHP** is used to code the Project & designing Web App.
4. **Platform** – Windows 10.
5. **Browser Used** – Mozilla Firefox.



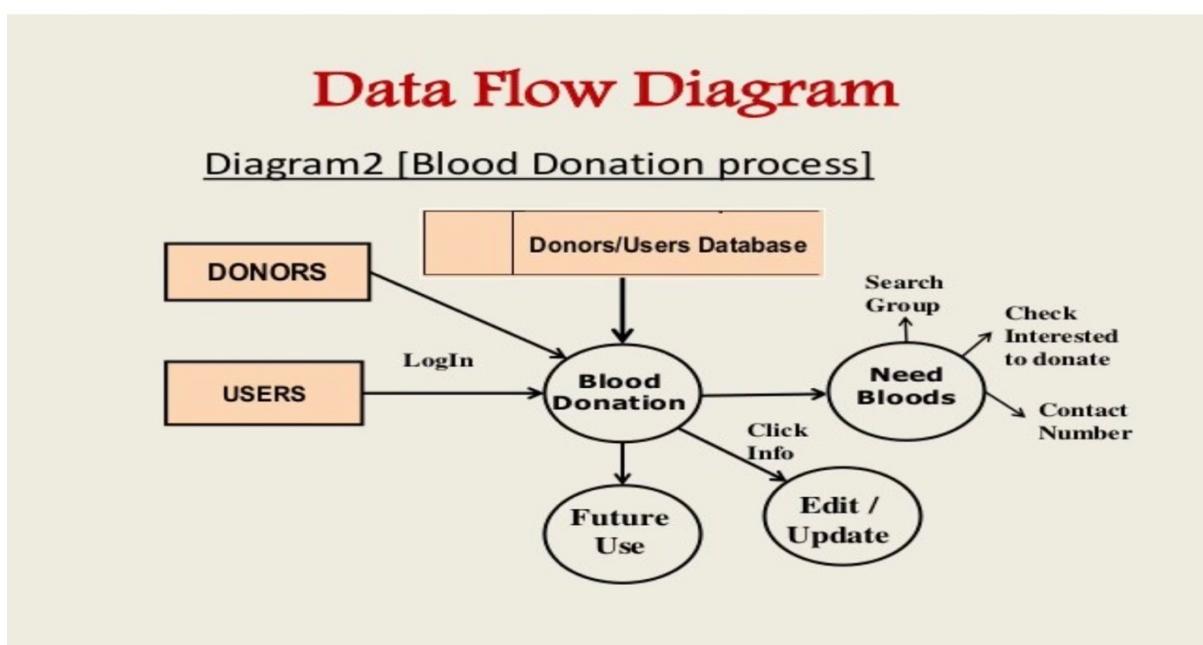
NOTE – PhpMyAdmin is used which connects the Sql queries to the Design model formed by Php i.e. ***it connects Sql with Web Application.***

DATA-FLOW DIAGRAM

A Data-Flow Diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination.

Rules to construct a Data-Flow Diagram :-

- Each process should have at least one input and an output.
- Each data store should have at least 1 data flow **in** and 1 data flow **out**.
- Data stored in a system must go through a process.
- All processes in a DFD go to another process or a data store.



MODULES IN THE PROJECT

A **module** is an assortment of revelations, explanations, and methodology that are put away all together. Modules are basically the same as Macros since they are objects that add usefulness to the data set.

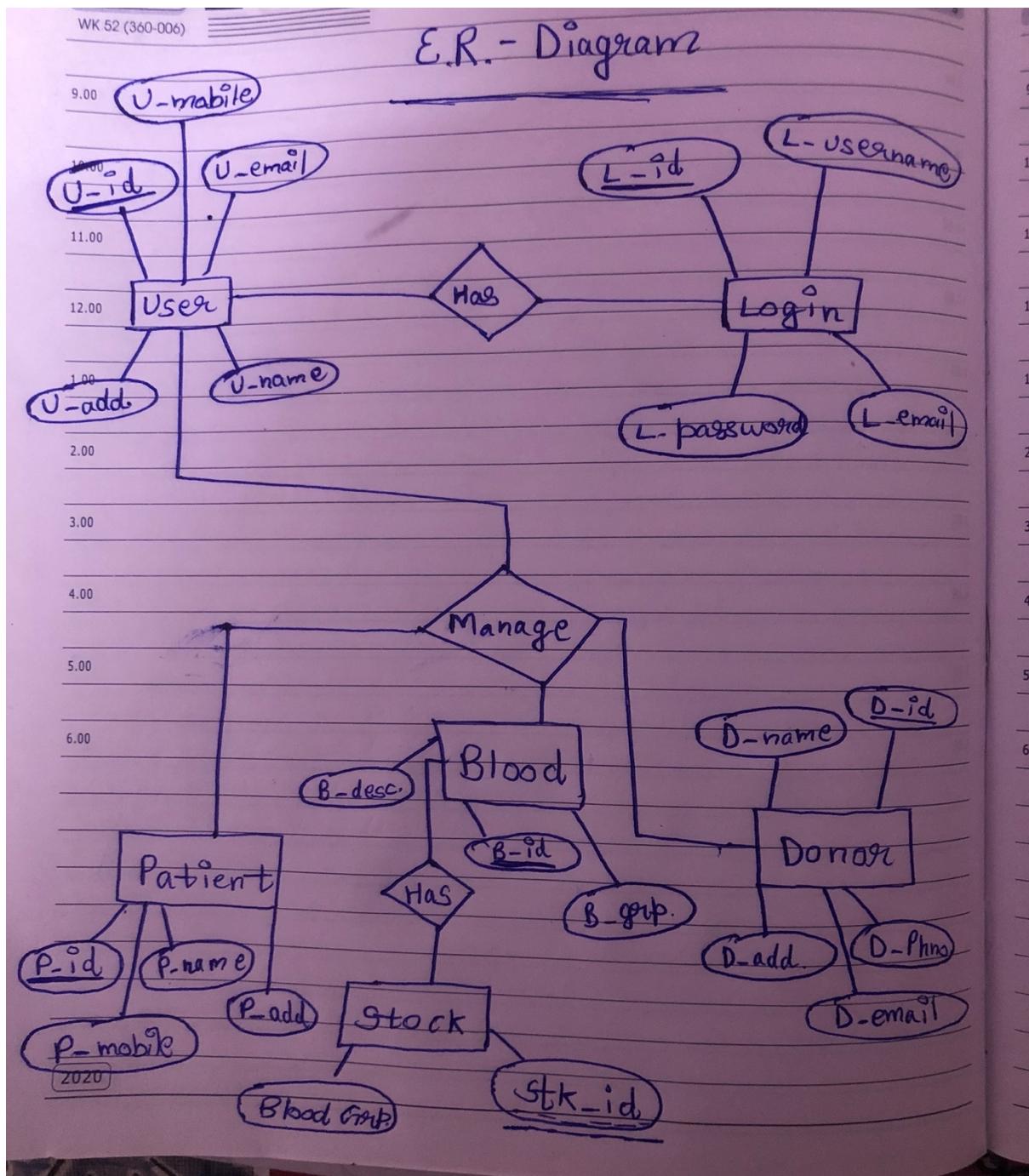
Modules which are present in this Project are :-

- ***Blood Bank Management Module***: Used for managing the Blood Bank details.
- ***Blood Stock Module*** : Used for managing the details of Blood Stock.
- ***Blood Group Management Module***: Used for managing the details and information of the Blood Group.
- ***Donor Module*** : Used for managing the Donor details
- ***Login Module*** : Used for managing the Login details & Supervise the overall web server.
- ***User Module*** : Used for managing the users of the system.

NOTE - Modules are used to organize course content by weeks, units, or a different organizational structure.

ER-DIAGRAM

The following ER-Diagram shows the *proper & complete logical structure* of a database :-



NOTE – The entities **underlined** are the *Primary keys*.

PROJECT CODE

CODE DRIVE LINK (PHP) :-

<https://drive.google.com/file/d/1-ozhg-UT2JptFQ44RvB6pJl52p85ePLo/view?usp=sharing>

SQL QUERIES IN THE PROJECT :-

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";

/*!40101 SET
@OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT
 */;
/*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET
@OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

-- 
-- Database: `bbdms`
-- 

-----


-- 
-- Table structure for table `admin`
-- 

CREATE TABLE IF NOT EXISTS `admin` (
`id` int(11) NOT NULL,
`UserName` varchar(100) NOT NULL,
`Password` varchar(100) NOT NULL,
```

```

`updationDate` timestamp NOT NULL DEFAULT '0000-00-00 00:00:00' ON
UPDATE CURRENT_TIMESTAMP
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;

-- 
-- Dumping data for table `admin`
-- 

INSERT INTO `admin`(`id`, `UserName`, `Password`, `updationDate`)
VALUES
(1, 'admin', '5c428d8875d2948607f3e3fe134d71b4', '2017-06-18 12:22:38');

-----


-- 
-- Table structure for table `tblblooddonars`
-- 

CREATE TABLE IF NOT EXISTS `tblblooddonars` (
`id` int(11) NOT NULL,
`FullName` varchar(100) DEFAULT NULL,
`MobileNumber` char(11) DEFAULT NULL,
`EmailId` varchar(100) DEFAULT NULL,
`Gender` varchar(20) DEFAULT NULL,
`Age` int(11) DEFAULT NULL,
`BloodGroup` varchar(20) DEFAULT NULL,
`Address` varchar(255) DEFAULT NULL,
`Message` mediumtext,
`PostingDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
`status` int(1) DEFAULT NULL
) ENGINE=InnoDB AUTO_INCREMENT=6 DEFAULT CHARSET=latin1;

-- 
-- Dumping data for table `tblblooddonars`
-- 

INSERT INTO `tblblooddonars`(`id`, `FullName`, `MobileNumber`, `EmailId`, `Gender`, `Age`, `BloodGroup`, `Address`, `Message`, `PostingDate`, `status`)
VALUES
(1, 'Mark Den', '9999857868', 'markd@gmail.com', 'Male', 27, 'O+', 'bdhdh dhf
hd h', 'd hd hd fh d', '2017-06-30 20:14:16', 1),

```

```
(2, 'Harry Sins', '41241241241', 'harrys@dfdsf.com', 'Male', 34, 'AB-', 'fsdfds', 'fsdf', '2017-06-30 20:48:11', 1),
(3, 'Emmie', '42352352352', "", 'Female', 23, 'A+', NULL, 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.', '2017-07-01 07:21:21', 1),
(4, 'Tom', '35345435345', "", 'Male', 26, 'AB-', NULL, 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.', '2017-07-01 07:21:42', 1),
(5, 'Robert Dr', '8569855244', 'robert@test.com', 'Male', 32, 'A-', 'Test Demo', 'Test demo Test demoTest demo', '2017-07-01 09:00:18', 1);
```

```
-- -----
-- 
-- Table structure for table `tblbloodgroup`
-- 

CREATE TABLE IF NOT EXISTS `tblbloodgroup` (
`id` int(11) NOT NULL,
`BloodGroup` varchar(20) DEFAULT NULL,
`PostingDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB AUTO_INCREMENT=7 DEFAULT CHARSET=latin1;

-- 
-- Dumping data for table `tblbloodgroup`
-- 

INSERT INTO `tblbloodgroup`(`id`, `BloodGroup`, `PostingDate`) VALUES
(1, 'A-', '2017-06-30 20:33:50'),
(2, 'AB-', '2017-06-30 20:34:00'),
(3, 'O-', '2017-06-30 20:34:05'),
(4, 'A-', '2017-06-30 20:34:10'),
(5, 'A+', '2017-06-30 20:34:13'),
(6, 'AB+', '2017-06-30 20:34:18');
```

```
-- -----
-- 
-- Table structure for table `tblcontactusinfo`
```

```

-- 
CREATE TABLE IF NOT EXISTS `tblcontactusinfo` (
`id` int(11) NOT NULL,
`Address` tinytext,
`EmailId` varchar(255) DEFAULT NULL,
`ContactNo` char(11) DEFAULT NULL
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;

-- 
-- Dumping data for table `tblcontactusinfo`
-- 

INSERT INTO `tblcontactusinfo` (`id`, `Address`, `EmailId`, `ContactNo`)
VALUES
(1, 'Test Demo test demo
','code-projects.org', '8585233222');

-----


-- 
-- Table structure for table `tblcontactusquery`
-- 

CREATE TABLE IF NOT EXISTS `tblcontactusquery` (
`id` int(11) NOT NULL,
`name` varchar(100) DEFAULT NULL,
`EmailId` varchar(120) DEFAULT NULL,
`ContactNumber` char(11) DEFAULT NULL,
`Message` longtext,
`PostingDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
`status` int(11) DEFAULT NULL
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=latin1;

-- 
-- Dumping data for table `tblcontactusquery`
-- 

INSERT INTO `tblcontactusquery` (`id`, `name`, `EmailId`, `ContactNumber`,
`Message`, `PostingDate`, `status`) VALUES
(1, 'Anuj Kumar', 'webhostingamigo@gmail.com', '2147483647', 'Lorem Ipsum
is simply dummy text of the printing and typesetting industry. Lorem Ipsum
has

```

been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type

specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum', '2017-06-18 10:03:07', 1), (2, 'caasda', 'webhostingamigo@gmail.com', '42342342', 'drftghjk', '2017-06-30

21:17:09', NULL),

(3, 'caasda', 'webhostingamigo@gmail.com', '42342342', 'drftghjk', '2017-06-30

21:21:30', NULL),

(4, 'te', 'sdfsdf@gmail.com', '75787875545', 'sfsdf sdg hs h sh', '2017-07-01 07:19:36', NULL);

--

-- Table structure for table 'tblpages'

--

CREATE TABLE IF NOT EXISTS 'tblpages' (
`id` int(11) NOT NULL,
`PageName` varchar(255) DEFAULT NULL,
`type` varchar(255) NOT NULL DEFAULT "",
`detail` longtext NOT NULL
) ENGINE=MyISAM AUTO_INCREMENT=22 DEFAULT CHARSET=latin1;

--

-- Dumping data for table 'tblpages'

--

INSERT INTO 'tblpages' ('id', 'PageName', 'type', 'detail') VALUES
(2, 'Why Become Donor', 'donor', 'YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE.
.YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE..YOUR TEXT HERE.

.YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE.
.YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE.
.YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE.
.YOUR TEXT HERE. .YOUR TEXT HERE. .YOUR TEXT HERE.. '),
(3, 'About Us ', 'aboutus', ' This is a non-

profitable, service motive Circle of Youths purely devoted for the welfare of society. Encouraging and inspiring people to donate blood and providing fresh blood to the needy people without any cost is the real goal of this organization. We feel one day no one in this country will die in scarcity of blood.

People in need of blood contact us (in case they fail to manage from their family, friend, relatives or blood bank). In such condition, we manage blood donors from our online database, which itself is the country's largest donor online database. We have more than 40 hundred donors registered. Since our registration in May 2011, we successfully have saved more than 30 hundred lives and have also brought smiles at the faces of more than 35 hundred families throughout the country.');

```
--  
-- Indexes for dumped tables  
--  
  
--  
-- Indexes for table `admin'  
--  
ALTER TABLE `admin`  
ADD PRIMARY KEY (`id`);
```

```
--  
-- Indexes for table `tblblooddonars`  
--  
ALTER TABLE `tblblooddonars`  
ADD PRIMARY KEY (`id`);  
  
--  
-- Indexes for table `tblbloodgroup`  
--
```

```
ALTER TABLE `tblbloodgroup`
ADD PRIMARY KEY (`id`);

-- 
-- Indexes for table `tblcontactusinfo`
-- 
ALTER TABLE `tblcontactusinfo`
ADD PRIMARY KEY (`id`);

-- 
-- Indexes for table `tblcontactusquery`
-- 
ALTER TABLE `tblcontactusquery`
ADD PRIMARY KEY (`id`);

-- 
-- Indexes for table `tblpages`
-- 
ALTER TABLE `tblpages`
ADD PRIMARY KEY (`id`);

-- 
-- AUTO_INCREMENT for dumped tables
-- 

-- 
-- AUTO_INCREMENT for table `admin`
-- 
ALTER TABLE `admin`
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=2;

-- 
-- AUTO_INCREMENT for table `tblblooddonars`
-- 
ALTER TABLE `tblblooddonars`
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=6;

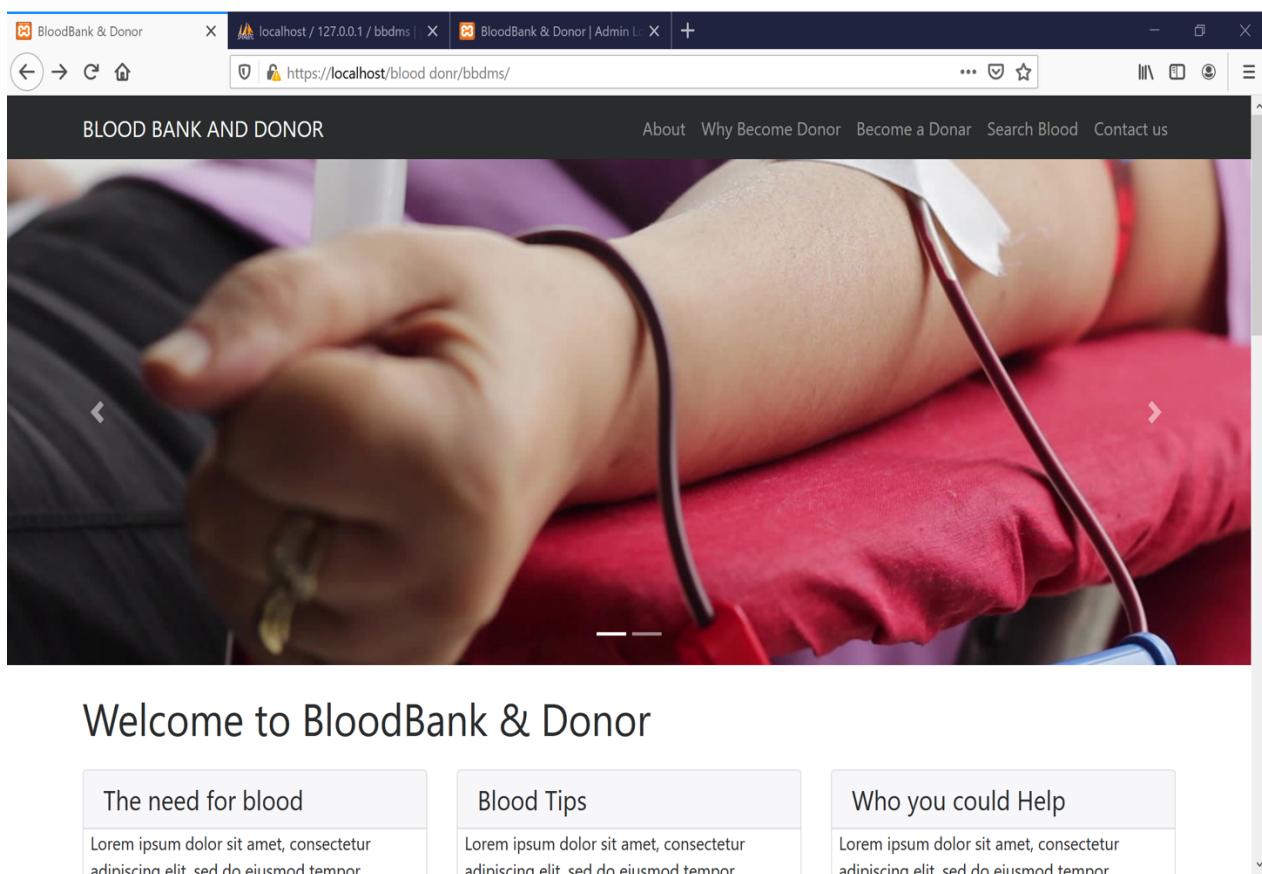
-- 
-- AUTO_INCREMENT for table `tblbloodgroup`
-- 
ALTER TABLE `tblbloodgroup`
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=7;
```

```
--  
-- AUTO_INCREMENT for table `tblcontactusinfo`  
  
--  
ALTER TABLE `tblcontactusinfo`  
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=2;  
  
--  
-- AUTO_INCREMENT for table `tblcontactusquery`  
  
--  
ALTER TABLE `tblcontactusquery`  
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=5;  
  
--  
-- AUTO_INCREMENT for table `tblpages`  
  
--  
ALTER TABLE `tblpages`  
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=22;  
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT  
*/;  
/*!40101 SET  
CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS  
*/;  
/*!40101 SET  
COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

RESULTS & PERFORMANCE ANALYSIS

THE FOLLOWING RESULTS ARE THE SCREENSHOTS TAKEN BY ME. THERE IS A VIDEO DEMO OF THIS WEB APPLICATION AS WELL AHEAD IN THIS REPORT.

1. HOME PAGE :-



NOTE – These screenshots are taken on *Mozilla Firefox* Web Browser.

2. DISPLAYING DONORS ON HOME PAGE :-

The screenshot shows a web browser window with three tabs: "BloodBank & Donor", "localhost / 127.0.0.1 / bbdms", and "BloodBank & Donor | Admin". The main content area is titled "BLOOD BANK AND DONOR" and features a heading "Some of the Donar". Below this, there are four cards, each featuring a cartoon blood drop character with the word "THANKS!" on a banner. The first card is for "Rohan" (Male, A+). The second is for "Robert Dr" (Male, A-). The third is for "Tom" (Male, AB). The fourth card is partially visible.

3. INFORMATION ABOUT BLOOD GROUPS :-

The screenshot shows a web browser window with three tabs: "BloodBank & Donor", "localhost / 127.0.0.1 / bbdms", and "BloodBank & Donor | Admin". The main content area is titled "BLOOD BANK AND DONOR" and features a sidebar with "Gender : Male" and "Blood Group : AB-". Below this, there is a section titled "BLOOD GROUPS" with the text: "blood group of any human being will mainly fall in any one of the following groups." followed by a bulleted list: "• A positive or A negative", "• B positive or B negative", "• O positive or O negative", and "• AB positive or AB negative.". There is also a note: "A healthy diet helps ensure a successful blood donation, and also makes you feel better! Check out the following recommended foods to eat prior to your donation." To the right, there is a red graphic with a white blood drop outline containing the text "Be a hero Give blood". At the bottom, there is a "Become a Donar" button and a "UNIVERSAL DONORS AND RECIPIENTS" section with the text: "The most common blood type is O, followed by type A. Type O individuals are often called "universal donors" since their blood can be transfused into persons with any blood type. Those with type AB blood are called "universal recipients" because they can receive blood of any type."

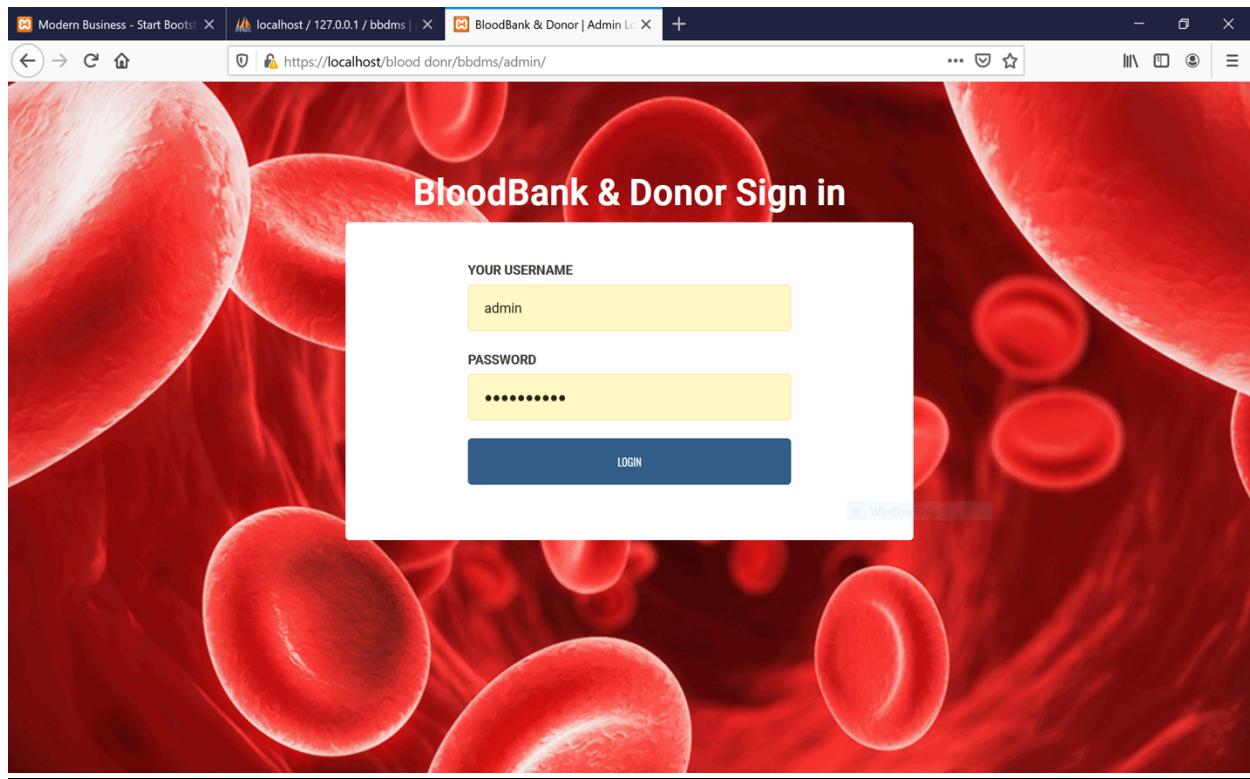
4. BECOME DONOR FORM :-

The screenshot shows a web browser window with three tabs open: 'BloodBank & Donor | Become / X', 'localhost / 127.0.0.1 / bbdms / X', and 'BloodBank & Donor | Admin L / X'. The main content area has a dark header bar with the text 'BLOOD BANK AND DONOR' and navigation links for 'About', 'Why Become Donor', 'Become a Donor', 'Search Blood', and 'Contact us'. Below this, the title 'Become a Donor' is displayed. A breadcrumb navigation 'Home / Become a Donor' is shown. The form itself consists of several input fields: 'Full Name*' (text input), 'Mobile Number*' (text input), 'Email Id' (text input), 'Age*' (text input), 'Gender*' (dropdown menu with 'Select' option), 'Blood Group*' (dropdown menu with 'A-' option), 'Address' (text input), and 'Message*' (text area). A blue 'submit' button is located at the bottom left of the form.

5. SEARCH DONOR :-

The screenshot shows a web browser window with three tabs open: 'BloodBank & Donor | Become / X', 'localhost / 127.0.0.1 / bbdms / X', and 'BloodBank & Donor | Admin L / X'. The main content area has a dark header bar with the text 'BLOOD BANK AND DONOR' and navigation links for 'About', 'Why Become Donor', 'Become a Donor', 'Search Blood', and 'Contact us'. Below this, the title 'Search Donor' is displayed. A breadcrumb navigation 'Home / Search Donor' is shown. The form includes 'Blood Group*' (dropdown menu with 'A-' option) and 'Location' (text input). A blue 'submit' button is located at the bottom left. The results section displays a card for a donor named 'Rohan'. The card contains the following information: 'Mobile No. / Email Id : 9876543321 / rohan123@gmail.com', 'Gender : Male', 'Age: 32', 'Blood Group : A+', and 'Address : ABC society, Vikas Puri , New Delhi'.

6. LOGIN PAGE :-



7. DASHBOARD :-

A screenshot of the BBMS Admin Dashboard. The left sidebar has a dark theme with white icons and text, listing 'Dashboard', 'Blood Group', 'Add Donor', 'Donor List', 'Manage Conatctus Query', 'Manage Pages', and 'Update Contact Info'. The main dashboard area has a light background. It features a title 'Dashboard' and three cards: 'LISTED BLOOD GROUPS' (6), 'REGISTERED BLOOD GROUP' (4), and 'TOTAL QURIES' (2). Each card has a 'FULL DETAIL' link below it. The browser's address bar shows the URL as https://localhost/blood donr/bbdms/admin/dashboard.php.

8. BLOOD GROUP MANAGER :-

The screenshot shows a web browser window with three tabs: "Modern Business - Start Bootstrap", "localhost / 127.0.0.1 / bbcdms", and "BBDMS | Admin Manage Blood". The main content area is titled "Manage Blood Groups" and displays a table of listed blood groups. The table has columns for "#", "Blood Groups/th>", "Creation Date", and "Action". The entries are:

| # | Blood Groups/th> | Creation Date | Action |
|---|------------------|---------------------|--------|
| 1 | A+ | 2021-05-02 02:48:38 | X |
| 2 | A- | 2021-05-02 02:48:45 | X |
| 3 | AB- | 2021-05-02 02:48:50 | X |
| 4 | O+ | 2021-05-02 02:48:55 | X |

Below the table, it says "Showing 1 to 4 of 4 entries". The left sidebar shows a navigation menu with options like Dashboard, Blood Group, Add Donor, Donor List, etc.

9. DONOR'S LIST & ADDRESS :-

The screenshot shows a web browser window with three tabs: "Modern Business - Start Bootstrap", "localhost / 127.0.0.1 / bbcdms", and "BBDMS | Donor List". The main content area is titled "Donors List" and displays a table of donor information. The table has columns for "#", "Name", "Mobile No", "Email", "Age", "Gender", "Blood Group", "address", "Message", and "action". The entries are:

| # | Name | Mobile No | Email | Age | Gender | Blood Group | address | Message | action |
|---|--------|------------|--------------------|------|--------|-------------|---|----------|--------------------|
| 1 | Nitish | 9991112223 | nitish@gmail.com | Male | 23 | AB- | D-Block Janakpuri , Near ABC hall , New Delhi | Hello !! | Make Hidden Delete |
| 2 | Rohan | 9876543321 | rohan123@gmail.com | Male | 32 | A+ | ABC society, Vikas Puri , New Delhi | Hello !! | Make Hidden Delete |

Below the table, it says "Showing 1 to 2 of 2 entries". The left sidebar shows a navigation menu with options like Dashboard, Blood Group, Add Donor, Donor List, etc.

VIDEO DEMO

THERE IS ALSO A VIDEO DEMO OF THIS ***PROJECT*** (WEB APPLICATION).

VIDEO DEMO DRIVE LINK :-

<https://drive.google.com/file/d/1ZeOMW6WRSBiRehXB1lqCLuHKwVMmtJi/view?usp=sharing>

P.T.O.

ADVANTAGES OF BBMS

- *Information retrieval* will be precise and effective.
- Donors can view the blood donation camp organising at the different places.
- Seeker can get the *information of the particular* blood group available in the blood bank.
- Blood bank in charge can get the information which blood is in demand but *rarely available* and which blood group is rarely in demand but plenty in stock.
- Blood bank in charge is getting rid from *manual procedure*. Now they to do the entries in the information system.

DIS-ADVANTAGES OF BBMS

- This Web-Based system is *less secure* than the Manual information system.
- *Internet connection* is always required while controlling the system.
- Manual-Based System is *less expensive* than the Web-Based BBMS.

CONCLUSION

My project is on ***Blood-Bank Management System*** (using **php & mySql**) & I successfully completed it. I take this opportunity to express our sense of indebtedness and gratitude to all those people who helped me in completing this project. I am immensely grateful to our esteemed project-guide ***Mrs. Anusha Chhabra*** (Asst. Prof.) and other faculties for their supervision and guidance without which this work would not have been possible. This project has contributed a lot to our knowledge that has proved to be a value addition for us.

- A. Technology is introducing new innovations day by day, thus ***reducing the time required to do things.***
- B. The proposed system can be used to reduce the time required to ***deliver required blood to the needy in cases of emergency.***
- C. This Web application can be used by the people interested in donating their blood by locating their nearest blood bank.
- D. The web application provides a way of communication and **synchronization between the hospitals and the blood banks.** The database is a vital aspect of the system.
- E. Finally, the ***system is implemented & I had completed the Problem Statement*** by including the concept of **SQL queries at the Back-end** & also designing the **User-Interface in the Front-End part.**

FUTURE SCOPE

- In future we can *connect all blood banks available in particular city to form a chain system* to make available the blood to the needy (patient).
- There are too many categories of blood depending on the content it includes, in future we can add information about the blood and its *content as per the patient filter the blood type which he/she searches for.*
- In future we can also *provide login feature for the hospitals to request for blood*, also to the blood banks to maintain their donors and if they need blood for stock purpose or if the blood availability is less than they can contact to donor through Email or SMS for donation.
- In case of accident or emergency the donor of particular blood bank needs for blood then he/she will get concession in blood price, *for this when donor donates the blood then credits will be allocated to him/her in their login account.*



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