

# **ONLINE BLOOD BANK MANAGEMENT SYSTEM**

A Project Report Submitted to the **BHARATHIDASAN UNIVERSITY**

In partial fulfillment of requirements for the award of the degree of

## **MASTER OF SCIENCE IN COMPUTER SCIENCE**

Submitted by

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**GOVERNMENT ARTS COLLEGE (AUTONOMOUS)**

**(Affiliated to Bharathidasan University and Accredited by NAAC with A Grade)**

**KARUR-639 005**

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## **CERTIFICATE**

This is to certify that the project report entitled “**ONLINE BLOOD BANK MANAGEMENT SYSTEM**” is done by **HAKKIM.S (Reg. No.: 182510)** in partial fulfillment of the requirement for the award of degree of M.Sc., Computer Science for the academic year 2019-2020 is the original work done by the candidate under my guidance and submitted to **Bharathidasan University, Trichy, through Government Arts College (Autonomous), Karur-5.**

**Signature of the Guide**

**Signature of the HOD**

Submitted for Viva – Voce Examination held on \_\_\_\_\_

**Signature of the Internal Examiner**

**Signature of the External Examiner**

## **DECLARATION**

I hereby declare that this project entitled **“ONLINE BLOOD BANK MANAGEMENT SYSTEM”** submitted to the **BHARATHIDASAN UNIVERSITY**, Trichy, in partial fulfillment of the requirement for the award of the degree of **MASTER OF SCIENCE IN COMPUTER SCIENCE** is a record of original work done by me and this is not submitted anywhere else for any other degree.

**Signature of the Candidate**

**HAKKIM.S**

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**Date:**

**Place:**

## ACKNOWLEDGEMENT

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## **ABSTRACT**

Help Line is an voluntary and non-governmental organization. It maintains online library of blood donors in India. Sometimes doctors and blood bank project have to face the difficulty in finding the blood group Donors at right time. Help Line has attempted to provide the answer by taking upon itself the task of collecting Blood bank project nationwide for the cause and care of people in need.

At any point of time the people who are in need can reach the donors through our search facility. By mobilizing people and organization who desire to make a difference in the lives of people in need. On the basis of humanity, Everyone is welcome to register as a blood donor.

Blood Bank Management System (BBMS) is a browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way. Aim is to provide transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective.

# **CHAPTER 1**

## **1.1 ABOUT THE PROJECT**

### **Introduction**

The BLOOD BANK MANAGEMENT SYSTEM is great project. This project is designed for successful completion of project on blood bank management system. The basic building aim is to provide blood donation service to the city recently. Blood Bank Management System (BBMS) is a browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way. Aim is to provide transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective.

Blood bank is a place where blood bag that is collected from blood donation events is stored in one place. The term “blood bank” 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. It processes blood that will be supplied to the patients in HSNZ according to their needs. Before the blood is supplied to the patients, the blood will undergo several tests to ensure that the blood receiver is not infected by serious diseases.

Blood Distribution Unit every month, HSNZ will organize blood donation event which is one of the way they can increase the blood stock. After the blood donation events, the blood bags that they obtained will undergo tests. All of the blood

received at the blood donation events must be managed thoroughly and systematically to avoid patient who need the blood infected by any viruses or diseases.

The **“Blood bank system project report”** contain information related to blood like

- Blood type
- Date of Donation of blood
- validity of Blood s
- Available Blood group

### **Need of Blood Bank Management System**

Bank blood donation system in java is planned to collect blood from many donators in short from various sources and distribute that blood to needy people who require blood. To do all this we require high quality software to manage those jobs. The government spending lot of money to develop high quality “Blood Bank management system project”. For do all those kinds of need blood bank management system project in java contain modules which are include the detail of following areas:

- Blood Donor
- Blood Recipient
- Blood collection
- Camp
- Stock details
- blood bank Reports
- Blood issued



## **CHAPTER 2**

### **SYSTEM SPECIFICATION**

#### **2.1 HARDWARE REQUIREMENT:**

Processor	:	Intel Pentium ( Octa-Core )
Hard Disk	:	500 GB
RAM	:	2 GB
Processor Speed	:	2.10 GHz
Monitor	:	[1366 x 768 Display]
Mouse	:	Any Standard
Keyboard	:	Any Standard

#### **2.2 SOFTWARE REQUIREMENT:**

Operating System	:	Windows 7
IDE	:	Wamp Server
Server	:	Apache Server
Front-end	:	HTML ,PHP,JS and CSS
Back-end	:	My-SQL

### **2.3. ABOUT FRONT END:**

The front end is an interface between the user and the back end. The front and back ends may be distributed amongst one or more systems.

In network computing, front end can refer to any hardware that optimizes or protects network traffic. It is called application front-end hardware because it is placed on the network's outward-facing front end or boundary. Network traffic passes through the front-end hardware before entering the network.

In compilers, the front end translates a computer programming source code into an intermediate representation, and the back end works with the intermediate representation to produce code in a computer output language. The back end usually optimizes to produce code that runs faster. The front-end/back-end distinction can separate the parser section that deals with source code and the back end that generates code and optimizes.

These days, front-end development refers to the part of the web users interact with. In the past, web development consisted of people who worked with Photoshop and those who could code HTML and CSS , but also JavaScript or jQuery, which is a compiled library of JavaScript.

Most of everything you see on any website is a mixture of HTML, CSS, and JavaScript, which are all controlled by the browser. For example, if you're using Google Chrome or Firefox, the browser is what translates all of the code in a manner for you to see and with which to interact, such as fonts, colors, drop-down menus, sliders, forms, etc. In order for all of this to work, though, there has to be something to support the front-end; this is where the backend comes into play

## **Software Discription & Tools Used:**

### **1. PHP:-**

#### **Introduction**

PHP is now officially known as “**PHP: Hypertext Preprocessor**”. It is a server-side scripting language usually written in an HTML context. Unlike an ordinary HTML page, a PHP script is not sent directly to a client by the server; instead, it is parsed by the PHP binary or module, which is server-side installed. HTML elements in the script are left alone, but PHP code is interpreted and executed. PHP code in a script can query databases, create images, read and write files, talk to remote servers – the possibilities is endless. The output from PHP code is combined with the HTML in the script and the result sent to the user’s web-browser, therefore it can never tell the user whether the web-server uses PHP or not, because the entire browser sees is HTML.

PHP’s support for Apache and MySQL further increases its popularity. Apache is now the most-used web-server in the world, and PHP can be compiled as an Apache module. MySQL is a powerful free SQL database, and PHP provides a comprehensive set of functions for working with it. The combination of Apache, MySQL and PHP is all but unbeatable.

That doesn’t mean that PHP cannot work in other environments or with other tools. In fact, PHP supports an extensive list of databases and web-servers. While in the mid-1990s it was ok to build sites, even relatively large sites, with hundreds of individual hard-coded HTML pages, today’s webmasters are making the most of the

power of databases to manage their content more effectively and to personalize their sites according to individual user preferences.

### **Reasons for using PHP**

There are some indisputable great reasons to work with PHP. As an open source product, PHP is well supported by a talented production team and a committed user community. Furthermore, PHP can be run on all the major operating systems with most servers.

### **Its Portability**

C is portable; it's just the OS bits that aren't. A lot PHP isn't portable to Windows since people don't use the OS abstractions to avoid some problems.

### **It has interfaces to a large variety of database systems**

PHP supports a large variety of the database.

### **Support available**

Online Support is available for using PHP.

### **PHP Syntax**

You cannot view the PHP source code by selecting “View source” in the browser – you will only see the output from the PHP file, which is plain HTML. This is because the scripts are executed on the server before the result is sent back to the browser.

## **HTML**

**HTML** or **Hyper Text Markup Language** is the standard markup language used to create web pages. HTML was created in 1991 by Tim Berners-Lee at CERN in Switzerland. It was designed to allow scientists to display and share their research.

The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page. HTML describes the structure of a website semantically along with cues for presentation, making it a markup language rather than a programming language.

HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as Java Script which affect the behavior of HTML web pages. HTML is descriptive markup language. Library of various markup languages is defined in various browsers.

## **HTML FORMS**

An HTML form can contain input elements like text fields, checkboxes, radio-buttons, submit buttons and more. A form can also contain select lists, textarea, fieldset, legend, and label elements.

## HTML 5

HTML5 will be the new standard for HTML. The previous version of HTML, HTML 4.01, came in 1999. The web has changed a lot since then. HTML5 is still a work in progress.

However, the major browsers support many of the new HTML5 elements and APIs.

HTML5 is cooperation between the World Wide Web Consortium (W3C) and the Web

## CSS

**CSS tutorial** or CSS 3 tutorial provides basic and advanced concepts of CSS technology. Our CSS tutorial is developed for beginners and professionals. The major points of CSS are given below:

- CSS stands for Cascading Style Sheet.
- CSS is used to design HTML tags.
- CSS is a widely used language on the web.
- HTML, CSS and JavaScript are used for web designing. It helps the web designers to apply style on HTML tags.

**Cascading Style Sheets (CSS)** is a style sheet language used for describing the look and formatting of a document written in a markup language. While most often used to style web pages and user interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.

CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design).

While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their own computer, to override the one the author has specified.

## **JAVASCRIPT**

**JavaScript (JS)** is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side network programming (with Node.js), game development and the creation of desktop and mobile applications.

JavaScript is a prototype-based scripting language with dynamic typing and has first-class functions. Its syntax was influenced by C. JavaScript copies many names and naming conventions from Java, but the two languages are otherwise unrelated and have very different semantics. The key design principles within JavaScript are taken from the Self and Scheme programming languages. It is a multi-paradigm language, supporting object-oriented, imperative, and functional programming styles.

## **2.4 ABOUT BACK END:**

In a previous blog, we talked about how web programmers are concerned with launching websites, updates, and maintenance, among other things. All of that works to support the front-end of the website. The back-end has three parts to it: server, application, and database.

To better explain how all of this works, let's use the example of a customer trying to purchase a plane ticket using a website. Everything that the customer sees on the webpage is the front-end, as we have explained before, but once that customer enters all of his or her information, such as their name, billing address, destination, etc, the web application stores the information in a database that was created previously on the server in which the website is calling for information.

The web application creates, deletes, changes, renames, etc items in the database. For example, when a customer purchases a ticket, that creates an item in the database, but when they have a change in their order or they wish to cancel, the item in the database is changed.

In short, when a customer wants to buy a ticket, the backend operation is the web application communicating with the server to make a change in a database stored on said server. Technologies like PHP, Ruby, Python, and others are the ones backend programmers use to make this communication work smoothly, allowing the customer to purchase his or her ticket with ease.



## **My Sql:**

### **Introduction:**

The database has become an integral part of almost every human's life. Without it, many things we do would become very tedious, perhaps impossible tasks. Banks, universities, and libraries are three examples of organizations that depend heavily on some sort of database system. On the Internet, search engines, online shopping, and even the website naming convention would be impossible without the use of a database. A database that is implemented and interfaced on a computer is often termed a database server.

One of the fastest SQL (Structured Query Language) database servers currently on the market is the MySQL server, developed by T.c.X. DataKonsultAB. MySQL, available for download at [www.mysql.com](http://www.mysql.com), offers the database programmer with an array of options and capabilities rarely seen in other database servers. MySQL is free of charge for those wishing to use it for private and commercial use.

### **Use MySQL**

#### **a) Scalability and Flexibility**

The MySQL database server provides the ultimate in scalability, sporting the capacity to handle deeply embedded applications with a footprint of only 1MB to running massive data warehouses holding terabytes of information. Platform flexibility is a stalwart feature of MySQL with all flavors of Linux, UNIX, and Windows being supported.

## **b) High Performance**

A unique storage-engine architecture allows database professionals to configure the MySQL database server specifically for particular applications, with the end result being amazing performance results.

## **C) High Availability**

Rock-solid reliability and constant availability are hallmarks of MySQL, with customers relying on MySQL to guarantee around-the-clock uptime. MySQL offers a variety of high-availability options from high-speed master/slave replication configurations, to specialized Cluster servers offering instant failover, to third party vendors offering unique high-availability solutions for the MySQL database server.

## **d) Strong Data Protection**

Because guarding the data assets of corporations is the number one job of database professionals, MySQL offers exceptional security features that ensure absolute data protection. In terms of database authentication, MySQL provides powerful mechanisms for ensuring only authorized users have entry to the database server, with the ability to block users down to the client machine level being possible.

## **e) Management Ease**

MySQL offers exceptional quick-start capability with the average time from software download to installation completion being less than fifteen minutes. This rule holds true whether the platform is Microsoft Windows, Linux, Macintosh, or UNIX.

## **PHP Main Features of MySQL**

- Tested with a broad range of different compilers.
- Works on many different platforms.
- The MySQL Server design is multi-layered with independent modules.
- Fully multi-threaded using kernel threads. It can easily use multiple CPUs if they are available.
- Provides transactional and non-transactional storage engines.
- Uses very fast B-tree disk tables with index compression.
- Relatively easy to add other storage engines. This is useful if you want to provide an SQL interface for an in-house database.
- A very fast thread-based memory allocation system.
- Very fast joins using an optimized one-sweep multi-join.
- In-memory hash tables, which are used as temporary tables.
- SQL functions are implemented using a highly optimized class library and should be as fast as possible. Usually there is no memory allocation at all after query initialization.
- The server is available as a separate program for use in a client/server networked environment.

## **CHAPTER 3**

### **3.1 EXISTING SYSTEM**

- Cannot Upload and Download the latest updates.
- No use of Web Services and Remoting.
- Risk of mismanagement and of data when the project is under development.
- Less Security.
- No proper coordination between different Applications and Users.
- Fewer Users – Friendly

#### **Disadvantages**

1. User friendliness is provided in the application with various controls.
2. The system makes the overall project management much easier and flexible.
3. Readily upload the latest updates, allows user to download the alerts by clicking the URL.
4. There is no risk of data mismanagement at any level while the project development is under process.
5. It provides high level of security with different level of authentication.

### **3.2 PROPOSED SYSTEM**

To debug the existing system, remove procedures those cause data redundancy, make navigational sequence proper. To provide information about audits on different level and also to reflect the current work status depending on organization/auditor or date. To build strong password mechanism.

#### **Advantages:**

- User friendliness I provided in the application with various controls.
- The system makes the overall project management much easier and flexible.
- Readily upload the latest updates , allows user to download the alerts by clicking the url .
- It provides high level of security with different level of authentication.

## **CHAPTER 4**

### **4.1 MODULES:-**

- ▶ **Donor registration**
- ▶ **Blood Request**
- ▶ **Search donors**
- ▶ **Contact Us**
- ▶ **Admin login**
- ▶ **Blood Donors list**
- ▶ **Blood Requesters list**
- ▶ **Purchase Blood**
- ▶ **Sale Blood**
- ▶ **Blood Stack**

## **4.2 MODULE DISCRPTION:**

**BLOOD DONATION** is a website based on PHP. The purpose of this project was to develop a blood management information system to assist in the management of blood donor records and ease or control the distribution of blood in various part of country basing on the hospitals demand. . This project includes mainly two modules i.e. login and main page.

- **Login:**

### **Admin**

The page require user name and password to start the application. Login is a process by which individual access to a computer system is controlled by identifying and authenticating the user through the cardinalities presented by the user. Admin can add update or delete the user, city, state, camp etc.

### **Admin are of a two type:**

Admin level user

General level user

### **Admin level user:**

Admin level user are a admin user, if he/she login a admin panel they work on a all the pages of the admin site like add user, update user, delete user, add city, update city, delete city etc.

### **General level user:**

General level user are a general user, if he/she login a admin panel they don not see all the pages of the admin site like add user, update user, delete user, add city, update city, delete city etc. They work on only a addition of the new user, city, state, camp etc.

### **Main Window:-**

The BLOOD BANK MANAGEMENT SYSTEM is great project. this project is designed for successful completion of project on blood bank management system. the basic building aim is to provide blood donation service to the city recently. Blood Bank Management System (BBMS) is a browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way.

### **Registration Page:**

Registration page includes the information of the donor who want to register. Donor can register the account by clicking on new register. He/she can add the account for the further enquiry of the blood donation.

### **Blood Donation Process by Donors:**

When a new donor comes to donate blood, they are required to fill out their personal information during the registration process before making a donation. After the donation, the donor is given a donor identification card with their name, blood



type and a barcode to be used as a reference for future donations . The barcode is used to retrieve the donor's record containing their personal information, medical history and donation information, including blood results .Only blood bank administrators have the authority to access the donor's records, since the system is only available for their use within the organization. This makes it difficult for donors to make changes to their personal information within the system. That is, for donors to update their personal information, such as their phone number, mailing address, or e-mail, they cannot update the information by themselves, but have to contact the blood bank center to update their information . At the back the card is a table that contains number of donations, date, location ,and the blood collector's signature. Existing donors can submit their donor ID cards to retrieve their personal information and donation records and start the blood donation process, and they will be given a new card after they have donated blood for a total of eight times. Having a donor ID card may be a tangible reminder to people that they are helping lives as a blood donor; however, possessing a physical card comes with drawbacks such as loss or damage. To ensure donors can still identify themselves with the system, other credentials, such as username and password, can be used as a safeguard if their donor ID card is lost or damaged. If the donated blood is disqualified, the donor will be notified through postal mail that their blood component is reactive to viruses , meaning that there is a positive result of the blood being infected, and the organization will also inform the donor to perform another blood test at the blood bank to confirm the result of blood. If the blood is qualified, the administrator then will deposit the blood into the inventory for future requests.

### **4.3 Input and Output Design:**

**BLOOD DONATION** is a website based on PHP. The purpose of this project was to develop a blood management information system to assist in the management of blood donor records and ease or control the distribution of blood in various part of country basing on the hospitals demand. . This project includes mainly two modules i.e. login and main page.

- **Login:**

#### **Admin**

The page require user name and password to start the application. Login is a process by which individual access to a computer system is controlled by identifying and authenticating the user through the cardinalities presented by the user. Admin can add update or delete the user, city, state, camp etc.

#### **Home page:-**

This is the home page or the main page\_of a blood bank management system. This is the main page of a client side. This page define all about related to project. This page also includes the galary of the camps.

- Blood Donor
- Blood Recipient
- Blood collection
- Camp
- Stock details
- Blood issued

## **Registration**

Registration page includes the information of the donor who want to register. Donor can register the account by clicking on new register. He/she can add the account for the further enquiry of the blood donation.

## **Request For Blood**

Request for blood page includes the information of the donor who want to register. Donor can register the account by clicking on new register. He/she can send requests for the further enquiry of the blood donation.

## **Camp**

Camp page includes the information about camps, this camps organised the blood donation camp. Donor can register the account by clicking on new register.

Request for blood page includes the information of the donor who want to register. Donor can register the account by clicking on new register. He/she can send requests for the further enquiry of the blood donation.

## **Search**

Search button is used for search the donations of blood for a different deferent blood groups.

Blood groups name

- A-
- A+
- B-

- B+
- AB+
- AB-
- O+
- O-

### **Contact**

- In contact page any one who wants to need a blood or gaining a information about this system then he/she can contact with us.

Person will get the blood immediately he/she requested for the particular blood group he/she has requested.

### **Update Profile**

- Above snap short describe how the donor update our profile .This is only used by a donor.

### **Admin Pannel**

This is the admin side of the project, shows all the admin page like addition, updation, deletion of the user, city,state,camps etc.

Person will get the blood immediately he/she requested for the particular blood group he/she has requested.

## **Add City**

Show the addition of city.

Person will get the blood immediately he/she requested for the particular blood group he/she has requested.

## **Add State**

Show the addition of state.

Person will get the blood immediately he/she requested for the particular blood group he/she has requested.

## **View Blood Group**

This snapshot shows all the blood group. This shows blood group name and id.

Person will get the blood immediately he/she requested for the particular blood group he/she has requested.

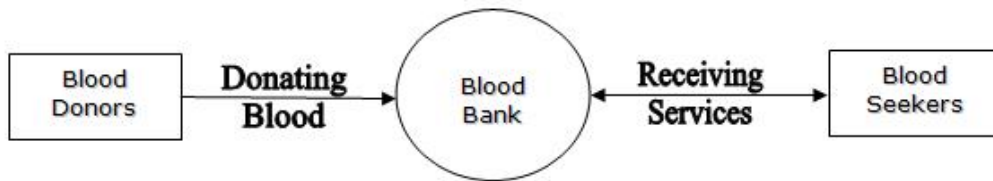
## **4.4 DATAFLOW DIAGRAM**

### **INTRODUCTION OF DFD:-**

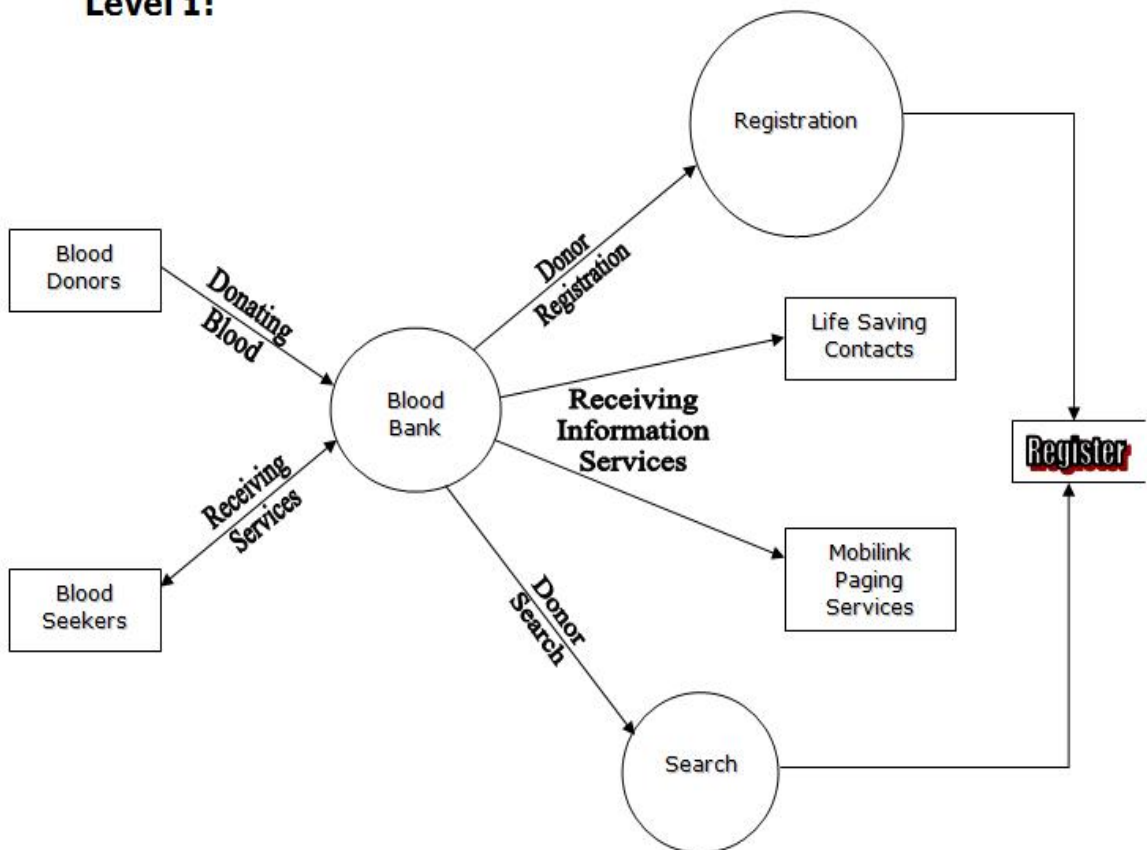
A DFD, in simple words, is a hierarchical graphical model of a system that shows the different processing activities or functions that the system performs and the data interchange among these functions. In the DFD terminology, it is useful to consider each function as a process that consumes some input data and produces some output data.

The DFD (also known as the bubble chart) is a simple graphical formalism that can be used to represent a system in terms of the input data to the system, various processing carried out on these data, and the output data generated by the system) The main reason why the DFD technique is so popular is probably because of the fact that DFD is a very simple formalism- it is simple to understand and use. A DFD model uses a very limited number of primitive symbols to represent the functions performed by a system and the data flow among these functions. Starting with a set of high-level functions that a system performs, a DFD model hierarchically represents various sub functions. In fact, any hierarchical model is simple to understand. Human mind is such that it can easily understand any hierarchical model of a system-because in a hierarchical model, starting with a very simple and abstract model of a system; different details of the system can be slowly introduced through different hierarchies.

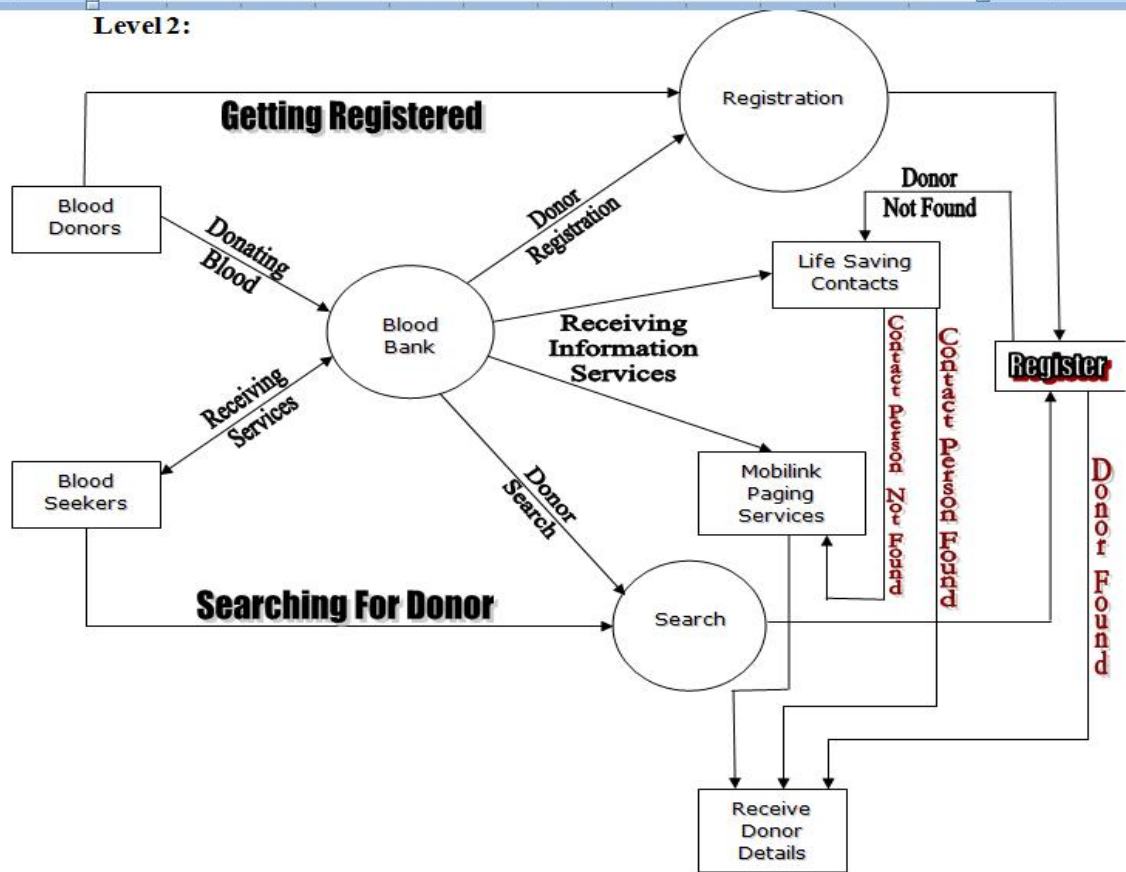
### Level 0:



### Level 1:



Level 2:





#### 4.5 TABLE STRUCTURE:-

**Donor Table:**

Field name	Data type	Length
Donor_id	Int	10
Name	char	25
Father name	char	25
Gender	char	10
DOB	date	
Blood	varchar	15
Weight	int	10
Email	varchar	25
Address	varchar	100
Contact	int	10
Voluntary	text	
New_donor	varchar	15
Donor_pic	varchar	150
Status	int	10

**Purchase Table:**

Field name	Data type	Length
Blood_id	int	10
T_date	date	
T_qty	int	5
Branch	varchar	50
Type	varchar	2
T_id	int	10

**Seeker Table:**

Field name	Data type	Length
<b>Id</b>	<b>int</b>	<b>10</b>
<b>Name</b>	<b>char</b>	<b>25</b>
<b>Gender</b>	<b>char</b>	<b>10</b>
<b>Blood</b>	<b>varchar</b>	<b>10</b>
<b>Bunit</b>	<b>int</b>	<b>10</b>
<b>Hospital Address</b>	<b>varchar</b>	<b>200</b>
<b>Rdate</b>	<b>date</b>	
<b>Cname</b>	<b>char</b>	<b>25</b>
<b>Caddress</b>	<b>varchar</b>	<b>200</b>
<b>Email</b>	<b>varchar</b>	<b>20</b>
<b>contact</b>	<b>int</b>	<b>10</b>
<b>Reason</b>	<b>text</b>	
<b>Pic</b>	<b>varchar</b>	<b>100</b>
<b>Status</b>	<b>varchar</b>	<b>10</b>

**Message Table:**

Field name	Data type	Length
<b>Id</b>	<b>int</b>	<b>10</b>
<b>Name</b>	<b>char</b>	<b>25</b>
<b>Contact</b>	<b>text</b>	
<b>Email</b>	<b>varchar</b>	<b>20</b>
<b>Message</b>	<b>text</b>	
<b>Status</b>	<b>text</b>	

## **CHAPTER 5**

### **5.1 SOFTWARE TESTING**

Testing is the process of executing then programs with the intention of finding out errors. During the process, the project is executed with set of test and the output of the website is evaluated to determine if the project is performing as expected. Testing makes a logical assumption that if all the parts of the module are correct then goal will be successfully achieved. Testing includes after the completion of the coding phase. The project was tested from the very beginning and also at each step by entering different type of data. In the testing phase some mistakes were found, which did not come to knowledge at the time of coding the project. Then changes were made in the project coding so that it may take all the relevant data and gives the required result. All the forms were tested one by one and made all the required changes.

Testing is vital to the success of the system. Testing makes a logical assumption that if all the parts of the system are correct, the goal will be successfully achieved. A small system error can conceivably explode into a much larger problem. Effective testing early in the process translates directly into long-term cost savings from a reduced number of errors. For the verification and validation of data various-nesting task are performed. Testing is itself capable of finding the syntactical mistakes in the system but user need to test the system for logical checking.

## **5.2 LEVELS OF TESTING:**

The aim of the testing process is to identify all the defects in the website. It is not practical to test the website with respect to each value that the input request data may assume. Testing provides a practical way of reducing defects in the website and increasing the user's confidence in a developed system. Testing consists of subjecting the website to a set of test inputs and observing if the program behaves as expected. If the program fails to Testing behave as expected then conditions under which failure occurs are noted for later debugging and correction. The following things are associated with testing:

Failure is a manifestation of an error. But the mere presence of an error may not necessarily lead to a failure. A test case is the triplet [I, S, O] where I am data input to the system. S is the state of the state of the system at which the data is input, O is the expected output of the system A test suite is the set of all test cases with which a given software product is to be tested.

### **FUCTIONAL TESTING:**

Here the system is a black box whose behavior is determined by studying its inputs and related outputs. The key problem is to select the inputs that have a huge probability of being members of a set in may case; the selection of these test cases is based on the previous studies.

## **UNIT TESTING:**

In unit testing the entire individual functions and modules were tested independently. By following this strategy all the error in coding were identified and corrected. This method was applied in combination with the white and black box testing techniques to find the errors in each module.

Unit testing is normally considered an adjunct to the coding step. Unit test case design was started after source level code had been developed, reviewed, and verified for correct syntax. A review of design information provides guidance for establishing test cases that were likely to uncover errors in each of the categories discussed above. Each test case was coupled with a set of expected results.

## **INTEGRITY TESTING:**

Integrity phases the entire module using the bottom-up approach and tested them. Integrity testing is a systematic technique for constructing the program structure while at the same time conducting tests to uncover errors associated with interfacing. The objective was to take unit tested modules and build a program structure that has been dictated by design.

The testing strategy has two different approaches namely the top-down approach in which the integration is carried out from the top-level module to the bottom and the bottom-up approach in which the integration is carried out from the low-level module to the top.

The modules were tested using the bottom-up approach by introducing stubs for the top-level functions. This test was used to identify the errors in the interfaces, the errors in passing the parameters between the functions and to correct them

- **There are two types of testing available:**

### **Black Box Testing:-**

In black box testing the structure of the program is not considered. Test cases are decided solely on the basis of the requirements or specifications of the program or module, and the consideration for selection of test classes. In this section, we will present some techniques for generating test cases for black-box testing. In black-box testing, the testing only knows the inputs that can be given to the system and what output the system can give. In other words the basis for deciding test case in functional testing is the requirement or specification of the system module. This form of testing is obvious functional or behavioral testing. The most obvious functional testing procedure is exhaustive testing, which as we have stated, is empirical. One criterion for generating test cases is to strategy has little chance of resulting in a set of test cases that is close to optimal (i.e. that detects the maximum errors with minimum test cases). Hence we need some other criterion or rule for selecting test cases. There are no formal rules for designing test cases for functional testing. In fact there are no precise criteria for selecting test cases however, there have been found to be very successful in detecting errors. Here we mention some of these techniques.

### **White Box Testing:-**

In the previous section we discussed testing, which is concerned with the function that the tested program is proposed to program and does not deal with the internal structure of the program responsible for actually implementing that function. Those black-box testing is concerned with functionality rather than implementation of the program. On the other hand, white-box testing is concerned with testing

implementation of the program. The intent of this testing is not to exercise all the different input or output conditions(although that may be buy products) but to exercise the different programming structures and data structures used in the program. White-box testing is also called structure testing and we will use the two terms interchangeably to test the structures of a program, structural testing aims to achieve test cases that force the desired coverage of different structures various criteria have been proposed for this. Unlike the criteria for functional testing which are frequently imprecise, the criteria for structural testing are generally quite precise as they are based on program structures, which are formal and precise.

## **CHAPTER 6**

### **CONCLUSION**

With the theoretical inclination of our syllabus it becomes very essential to take the utmost advantage of any opportunity of gaining practical experience that comes along. The building blocks of this Major Project "BLOOD BANK Management System" was one of these opportunities. It gave us the requisite practical knowledge to supplement the already taught theoretical concepts thus making us more competent as a computer engineer. The project from a personal point of view also helped us in understanding the following aspects of project development:

- The planning that goes into implementing a project.
- The importance of proper planning and an organized methodology.
- The key element of team spirit and co-ordination in a successful project.

The project also provided us the opportunity of interacting with our teachers and to gain from their best experience



## CHAPTER 7

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- 
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## CHAPTER 8

### 8.1 APPENDIX SCREEN SHOTS:

#### Donor registration:

The screenshot displays the 'JOIN AS BLOOD DONOR' registration form on a website. The form is presented as a vertical stack of input fields on a light gray background, with each field preceded by a red label. The top of the page features a red navigation bar with the 'Blood Bank' logo and links to Home, About us, Services, Contact us, Admin, and Stock. The form fields are as follows:


- Name:** A text input field with the placeholder 'Full Name'.
- Father Name:** A text input field with the placeholder 'Father Name'.
- Gender:** A dropdown menu with the placeholder 'Select Gender'.
- D.O.B:** A text input field with the placeholder 'YYYY/MM/DD'.
- Blood Group:** A dropdown menu with the placeholder 'Select Blood'.
- Body Weight:** A text input field with the placeholder 'Weight In Kgs'.
- Email ID:** A text input field with the placeholder 'Email Address'.
- Country:** A dropdown menu with the placeholder 'Select Country'.
- State:** A dropdown menu with the placeholder 'Select State'.
- City:** A dropdown menu with the placeholder 'Select City'.
- Area:** A dropdown menu (partially visible).

**Address****Pincode****Contact-1****Contact-2**☐ **Voluntary Donor****New Donor****Upload Photo**

- ☒ I have read the eligibility criteria and confirm that i am eligible to donate blood.
- ☒ I agree to the Term and Conditions and consent to have my contact and donor information published to the potential blood recipients.

[Registrar Now](#)

## Seeker registration:

 Blood Bank

[Home](#) [About us](#) [Services](#) [Contact us](#) [Admin](#) [Stock](#)

☒ Need Blood To Save Lives

Patient Name

Gender

Required Blood Group

Need Unit Of Blood

Hospital Name & Address

City

Pincode

Doctor Name

When Required

**When Required**

MM/DD/YYYY

**Contact Name**

Contact Name

**Address**

Full Address

**Email ID**

Contact Email

**Contact No-1**

Contact Number

**Contact No-2**

Contact Number

**Reason For Blood**

Reason For Blood

**Upload Photo**

Choose File No file chosen

 Request Now

## Search donor:

The screenshot shows a web browser window with the address bar displaying 'localhost/08\_Blood\_Bank/Search\_Donor.php'. The website has a red header with the 'Blood Bank' logo and navigation links: Home, About us, Services, Contact us, Admin, and Stock. Below the header, a breadcrumb trail reads: Donor Registration / Need Blood / Search Blood. The main content area features a 'Search Donor Availability' form with the following fields:

- Search Type:** A dropdown menu currently set to 'Pincode'.
- Required Blood Group:** A dropdown menu currently set to 'A+'.
- Search Text:** A text input field with the placeholder 'Type Here'.
- Search Button:** A red button labeled 'Search Donor'.

To the right of the form, a message states: 'Please fill the correct details and search your nearest donor. For more queries contact our admin.'

At the bottom of the page, a copyright notice reads: 'Copyright © bloodbank in islam foundation'. The Windows taskbar at the bottom shows the time as 7:56 PM on 2/25/2020.

## Message:

The screenshot shows a web browser window with the address bar displaying 'localhost/08\_Blood\_Bank/contact.php'. The page has a red header with the 'Blood Bank' logo and navigation links: Home, About us, Services, Contact us, Admin, and Stock. The main content area is divided into two columns. The left column, titled 'Send us a Message', contains four input fields: 'Full Name:', 'Phone Number:', 'Email Address:', and a larger 'Message:' text area. Below these fields is a red 'Send Message' button. The right column, titled 'Contact Details', provides contact information for 'Blood Bank & kalam foundation', including the address '34 ,karur main road, karur-639005.', phone number 'P: 9080070132', email 'E: bloodbankin@gmail.com', hours 'H: 24\*7', and website 'W: www.bloodbank.org'. At the bottom of this column are social media icons for Facebook, LinkedIn, Twitter, and Google+. The Windows taskbar at the bottom shows the time as 8:07 PM on 2/25/2020.

**Send us a Message**

Full Name:

Phone Number:

Email Address:

Message:

[Send Message](#)

**Contact Details**

Blood Bank &  
kalam foundation,  
34 ,karur main road,  
karur-639005.

P: 9080070132

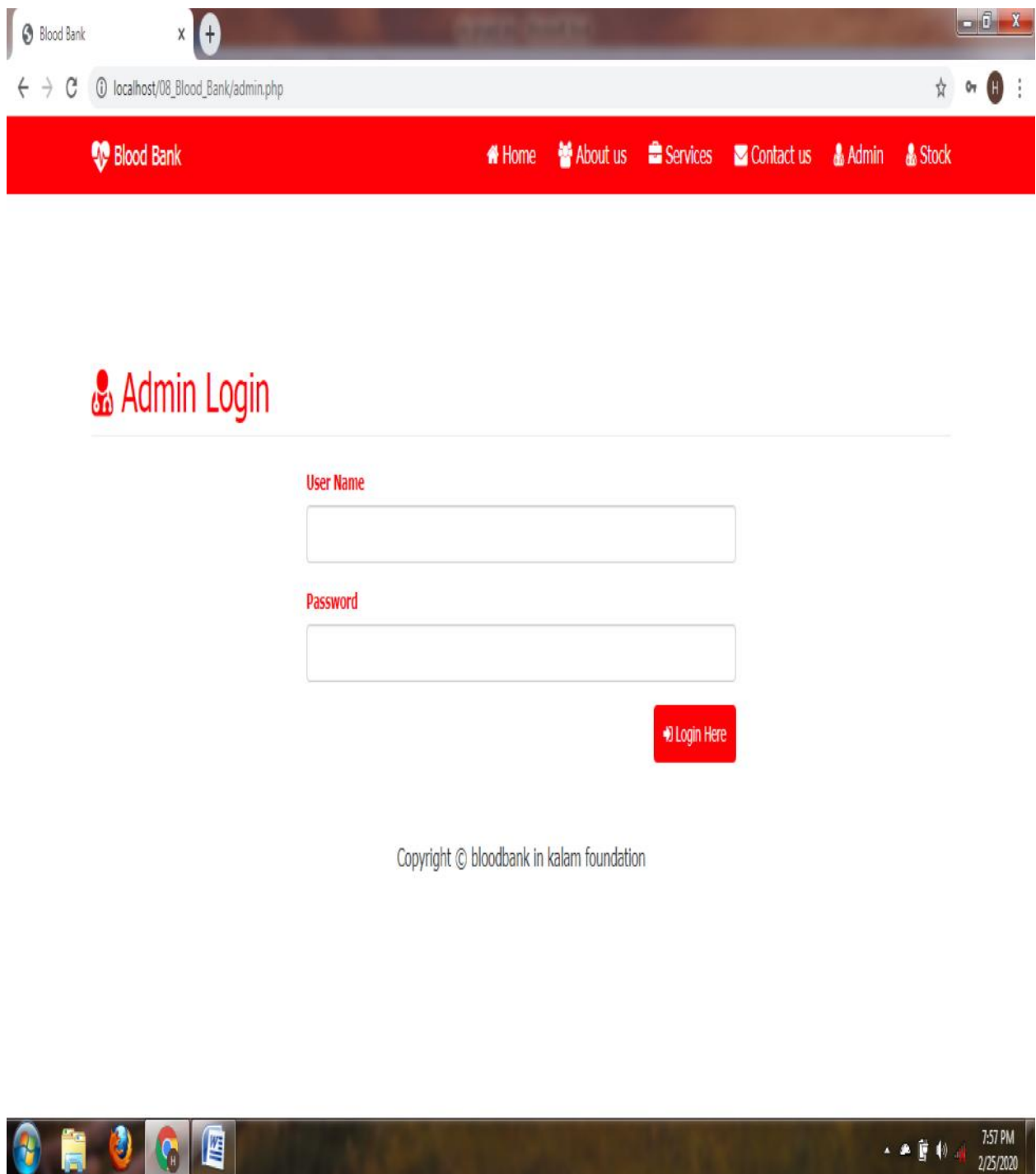
E: [bloodbankin@gmail.com](mailto:bloodbankin@gmail.com)

H: 24\*7

W: [www.bloodbank.org](http://www.bloodbank.org)

[f](#) [in](#) [t](#) [G+](#)

## Admin login:



The screenshot shows a web browser window with the title "Blood Bank". The address bar displays "localhost/08\_Blood\_Bank/admin.php". The page features a red navigation bar with the "Blood Bank" logo and links to Home, About us, Services, Contact us, Admin, and Stock. The main content area is titled "Admin Login" and contains two input fields labeled "User Name" and "Password". A red "Login Here" button is positioned below the password field. The footer of the page states "Copyright © bloodbank in kalam foundation". The Windows taskbar at the bottom shows the time as 7:57 PM on 2/25/2020.

Blood Bank

Home About us Services Contact us Admin Stock

### Admin Login

User Name

Password

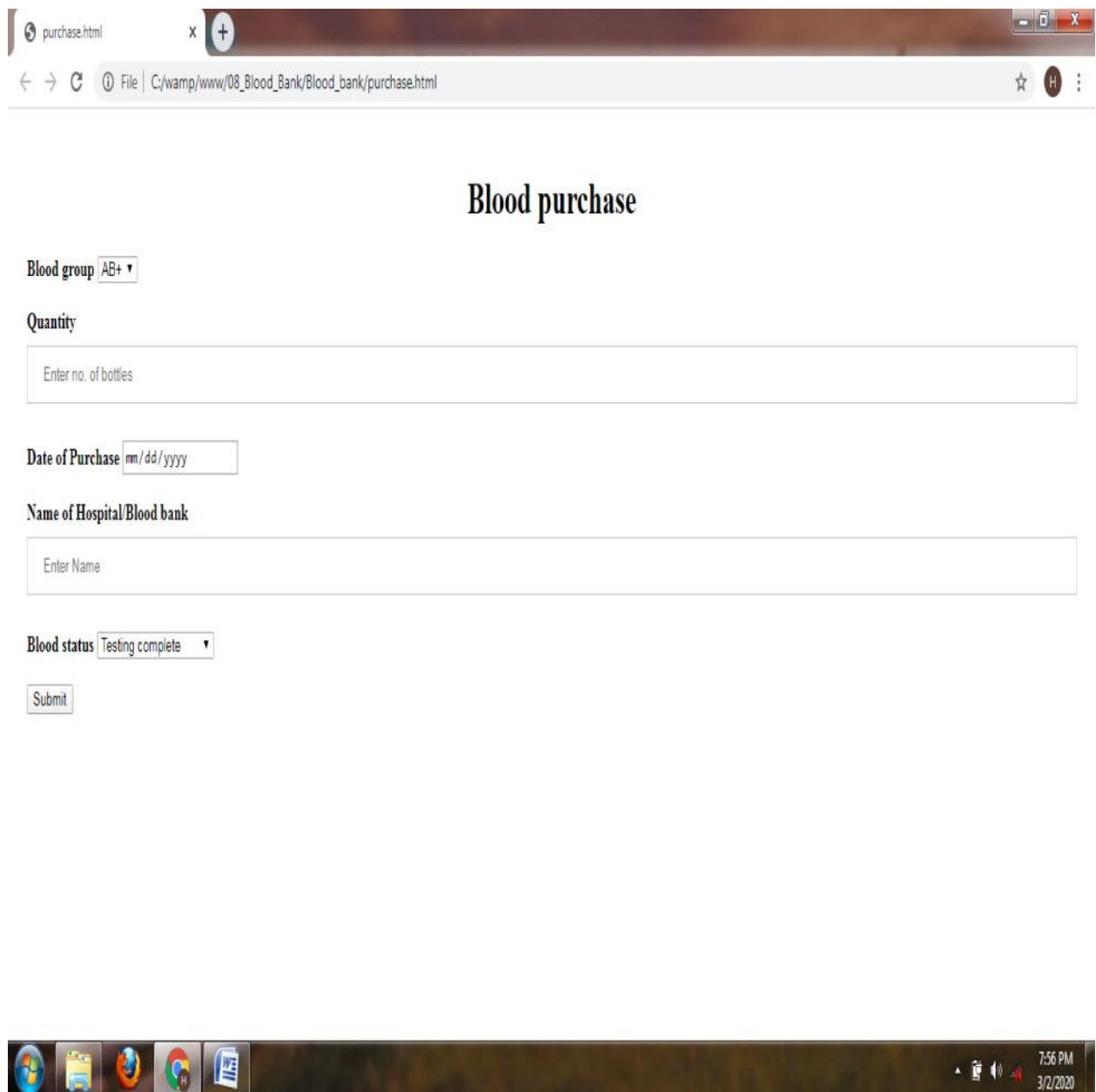
Login Here

Copyright © bloodbank in kalam foundation

7:57 PM  
2/25/2020



## Purchase blood:

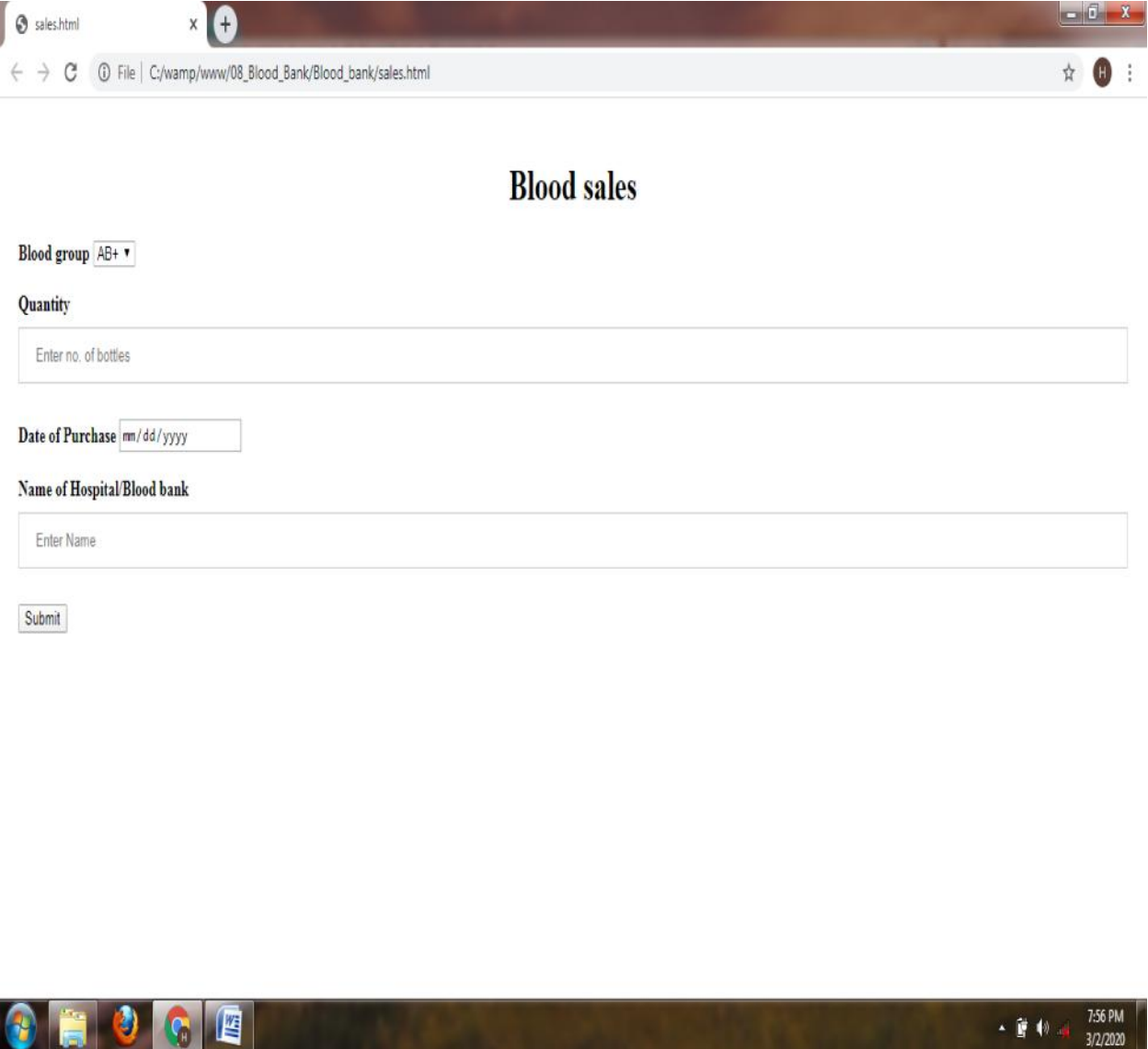


The screenshot shows a web browser window with a single tab titled 'purchase.html'. The address bar shows the file path 'C:/wamp/www/08\_Blood\_Bank/Blood\_bank/purchase.html'. The page content is a form titled 'Blood purchase' in a large, bold, serif font. The form includes several input fields and dropdown menus:

- Blood group:** A dropdown menu with 'AB+' selected.
- Quantity:** A text input field with the placeholder text 'Enter no. of bottles'.
- Date of Purchase:** A text input field with the placeholder text 'mm/dd/yyyy'.
- Name of Hospital/Blood bank:** A text input field with the placeholder text 'Enter Name'.
- Blood status:** A dropdown menu with 'Testing complete' selected.
- Submit:** A button labeled 'Submit'.

The Windows taskbar at the bottom shows icons for Internet Explorer, File Explorer, Google Chrome, and Microsoft Word. The system clock in the bottom right corner displays '7:56 PM' and '3/2/2020'.

## Sale blood:



The screenshot shows a web browser window with a single tab titled 'sales.html'. The address bar displays the file path 'C:/wamp/www/08\_Blood\_Bank/Blood\_bank/sales.html'. The page content features a title 'Blood sales' centered at the top. Below the title, there is a form with the following elements: a 'Blood group' dropdown menu currently showing 'AB+', a 'Quantity' label followed by a text input field containing the placeholder 'Enter no. of bottles', a 'Date of Purchase' label followed by a date input field with the placeholder 'mm/dd/yyyy', a 'Name of Hospital/Blood bank' label followed by a text input field containing the placeholder 'Enter Name', and a 'Submit' button at the bottom left. The Windows taskbar at the bottom shows icons for Internet Explorer, File Explorer, Google Chrome, and Microsoft Word, along with the system clock indicating 7:56 PM on 3/2/2020.

sales.html

File | C:/wamp/www/08\_Blood\_Bank/Blood\_bank/sales.html

### Blood sales

Blood group AB+ ▼

Quantity

Enter no. of bottles


Date of Purchase mm/dd/yyyy


Name of Hospital/Blood bank


Enter Name


Submit


## Donor details:


 Blood Bank


 Dashboard


 Logout


 Dashboard


 Donor Details


 Inbox


 Search Donors


 Active Donors

 Not Active Donors

 Need Blood

 Blood Stock

 Settings



Name	hakkim
Father Name	sheikdawood
Gender	Male
D.O.B	1998-05-28
Blood Group	A+
Body Weight	85
Email	hakkim6129@gmail.com
Address	5/339,kattamputhur,chinnadharapuram, aravai,karur.
Area	chinnadharapuram
City	Karur
Pincode	639202
State	Tamilnadu
Contact-1	2147483647
Contact-2	2147483647
Voluntary	No
Group	Nil
Is New Donor	No

Blood Bank

localhost/08\_Blood\_Bank/admin\_view\_donor.php?id=1

Blood Bank

DashboardLogout

Pincode	639202
State	Tamilnadu
Contact-1	2147483647
Contact-2	2147483647
Voluntary	No
Group	Null
Is New Donor	No
Last Donoted Date	2020-02-10
Status	<div>Deactivate Now</div>

Last Donate Date

YYYY/MM/DD

Save Changes

Copyright © Blood Bank in kalam founndation

7:59 PM

2/25/2020

## Seeker details:

The screenshot shows a web application interface for a blood bank. The browser address bar indicates the URL is `localhost/08_Blood_Bank/admin_view_request.php?id=1`. The application has a red header with the "Blood Bank" logo and navigation links for "Dashboard" and "Logout". Below the header, there are two tabs: "Dashboard" and "Patient Details". The "Patient Details" tab is active, displaying a list of patient information. On the left side of the "Patient Details" tab, there is a sidebar with various menu items: "Inbox", "Search Donors", "Active Donors", "Not Active Donors", "Need Blood", "Blood Stock", and "Settings". In the center of the "Patient Details" tab, there is a photo of a man standing in front of a blood bank counter. To the right of the photo, there is a table containing the patient's details.

Name	arun
Blood	A+
UNIT	2
Hospital	200,appolo,karur .
City	karur
Pincode	639005
Doctor Name	manimaran
Request Date	2020-01-19
Contact Person	siva
Address	300,palayam,dindugal.
Email	siva19999@gmail.com
Contact-1	4567894567
Contact-2	3456789098
Status	Completed

Blood Bank

localhost/08\_Blood\_Bank/admin\_view\_request.php?id=1

DashboardLogout

Settings

Contact Person	siva
Address	300,,palayam,dindugal.
Email	siva19999@gmail.com
Contact-1	4567894567
Contact-2	3456789098
Status	Completed
Completed Date	2020-02-25

Any Updation

Completed Date

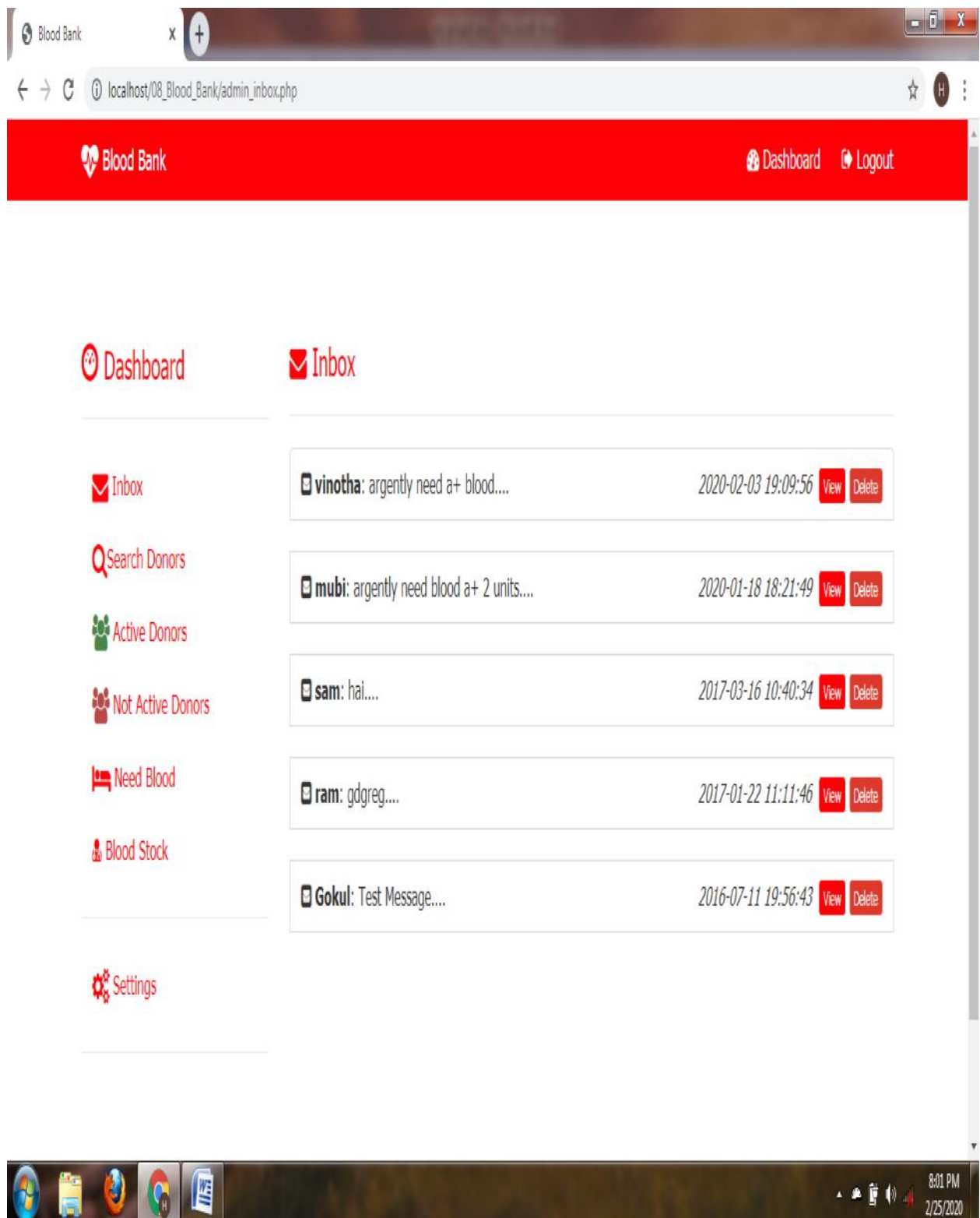
Status

Select Status

Update NowBack Page

8:00 PM  
2/25/2020

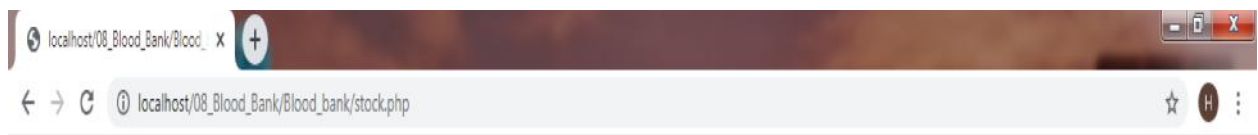
## Message:



The screenshot displays a web browser window with the address bar showing 'localhost/08\_Blood\_Bank/admin\_inbox.php'. The page features a red header bar with the 'Blood Bank' logo and 'Dashboard' and 'Logout' links. The main content area is divided into two columns. The left column contains a sidebar with links: 'Dashboard', 'Inbox', 'Search Donors', 'Active Donors', 'Not Active Donors', 'Need Blood', 'Blood Stock', and 'Settings'. The right column displays the 'Inbox' section with a list of messages. Each message entry includes the sender's name, the message content, the timestamp, and 'View' and 'Delete' buttons.

Sender	Message Content	Timestamp	View	Delete
vinotha	argently need a+ blood....	2020-02-03 19:09:56	View	Delete
mubi	argently need blood a+ 2 units....	2020-01-18 18:21:49	View	Delete
sam	hai....	2017-03-16 10:40:34	View	Delete
ram	gdgreg....	2017-01-22 11:11:46	View	Delete
Gokul	Test Message....	2016-07-11 19:56:43	View	Delete

## Stock details:



### Stock details

A+ : 126 units

A- : 74 units

AB+ : 116 units

AB- : 62 units

B+ : 16 units

B- : 28 units

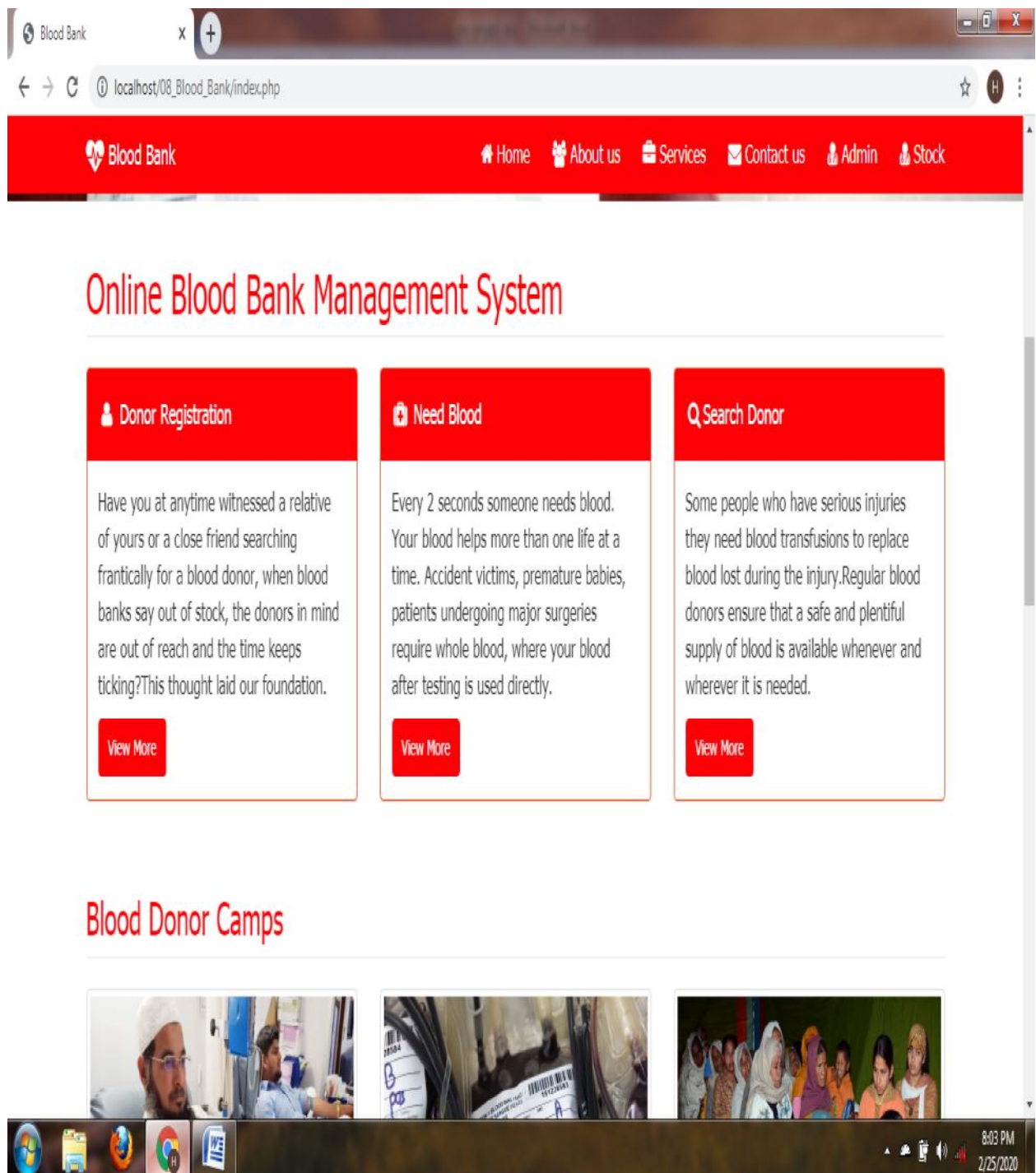
O+ : 80 units

O- : 5 units





## User home page:



## 8.2 APPENDIX

Admin.php:-

```
<?php
session_start();
include("config.php");
?>
<html lang="en">
<head>
<?php include("head.php");?>
</head>
<body>
<?php include("top_nav.php"); ?>
<!-- Navigation -->
<!-- Page Content -->
<div class="container" style="margin-top:70px;">
<!-- Page Heading/Breadcrumbs -->
<div class="row">
<div class="col-lg-12">
<h1 class="page-header text-primary"><i class='fa fa-user-md'></i> Admin Login

</h1>
</div>
<div class="row">
<div class="col-md-3"></div>
<div class="col-md-6">
<?php
if(isset($_POST["submit"]))
{
    if($_POST["user"]=="admin"&&$_POST["pass"]=="admin")
    {
        $_SESSION['usertype']
        ='admin';
        $_SESSION['username']='admin';
        header("location:admin_inbox.php");
    }
    else
    {
        echo "<div class='alert alert-danger'><b>Error</b> User Name and Password
        Incorrect.</div>";
    }
}
?>
```

```

<form role="form" action="admin.php" method="post">
<div class="form-group">
<label for="user_name" class="text-primary">User Name</label>
<input class="form-control" name="user" id="user" type="text" required>
</div>
<div class="form-group">
<label for="pass" class="text-primary">Password</label>
<input class="form-control" id="pass" name="pass" type="password" value=""
required>
</div>
<button class="btn btn-primary pull-right" name="submit" type="submit"><i
class="fa fa-sign-in"></i> Login Here</button>
</form>
</div>
<div class="col-md-3"></div>
</div>
</div>
<!-- /.row -->
<!-- Footer -->
<?php include"footer.php";?>
</div>
</body>
</html>

```

Donor registration.php:-

```

<?php
include("config.php");
//include("functions.php");
error_reporting(0);?>
<!DOCTYPE html>
<html lang="en">
<head>
<?php include("head.php");?>
</head>
<body>

<?php
include("top_nav.php");
?>
<div class="container" style='margin-top:70px;'>
<div class="row">

```

```

<div class="col-md-12">
<h3 class=" text-primary">
<i class='fa fa-users'></i> New Donor Registration
</h3><hr>
<?php include("blood_bread.php"); ?>
</div>
</div>
<div class="row centered-form ">
<div class="col-xs-12 col-sm-8 col-md-6 col-sm-offset-2 col-md-offset-3">
<?php
if(isset($_POST["submit"]))
{
$target_dir = "donor_image/";
$img="donor_image/noimage.jpg";
$target_file = $target_dir.rand(100,999).
basename($_FILES["fileToUpload"]["name"]);
$uploadOk = 1;
$imageFileType = pathinfo($target_file,PATHINFO_EXTENSION);
// Check if image file is a actual image or fake image
$check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);
if($check !== false) {
echo "";
$uploadOk = 1;
} else {
// echo "File is not an image.";
$uploadOk = 0;
}

// Check if file already exists
if (file_exists($target_file)) {
// echo "Sorry, file already exists.";
$uploadOk = 0;
}
// Check file size
if ($_FILES["fileToUpload"]["size"] > 5000000000) {
// echo "Sorry, your file is too large.";
$uploadOk = 0;
}
// Allow certain file formats

```

```

if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType !=
"jpeg"
&& $imageFileType != "gif" ) {
// echo "Sorry, only JPG, JPEG, PNG & GIF files are allowed.";
$uploadOk = 0;
}
// Check if $uploadOk is set to 0 by an error
if ($uploadOk == 0) {
// echo "Sorry, your file was not uploaded.";
// if everything is ok, try to upload file
} else {
if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"], $target_file)) {
$img=$target_file;
} else {
// echo "Sorry, there was an error uploading your file.";
}
}
$country="";
$state="";

$qry="SELECT COUNTRY_NAME FROM country WHERE
COUNTRY_ID={$_POST["COUNTRY"]}";
$res=$con->query($qry);
if($res->num_rows>0)
{
if($row=$res->fetch_assoc())
{
$country=$row["COUNTRY_NAME"];
}
}

$qry="SELECT STATE_NAME FROM state WHERE
STATE_ID={$_POST["STATE"]}";
$res=$con->query($qry);
if($res->num_rows>0)
{
if($row=$res->fetch_assoc())
{
$state=$row["STATE_NAME"];
}
}

```

```

}
$cityname=$_POST["CITY"];
$sql="
INSERT INTO blood_donor
(NAME, FATHER_NAME, GENDER, DOB, BLOOD, BODY_WEIGHT, EMAIL,
ADDRESS, AREA, CITY, PINCODE, STATE, CONTACT_1, CONTACT_2,
VOLUNTARY, VOLUNTARY_GROUP,NEW_DONOR, LAST_D_DATE,
DONOR_PIC,COUNTRY)
VALUES
('$_POST["NAME"]', '$_POST["FATHER_NAME"]', '$_POST["GENDER"]',
'$_POST["DOB"]', '$_POST["BLOOD"]', '$_POST["BODY_WEIGHT"]',
'$_POST["EMAIL"]', '$_POST["ADDRESS"]', '$_POST["AREA"]',
'$cityname', '$_POST["PINCODE"]', '$_POST["STATE"]', '$_POST["CONTACT_1"]',
'$_POST["CONTACT_2"]', '$_POST["VOLUNTARY"]',
'$_POST["VOLUNTARY_GROUP"]',
'$_POST["NEW_DONOR"]', '$_POST["LAST_D_DATE"]',
'$_POST["PIC"]', '$_POST["COUNTRY"]');
if($con->query($sql))
{
echo '
<div class="alert alert-success">
<a href="#" class="close" data-dismiss="alert" aria-label="close">&times;</a>
<strong>Success!</strong> Thank you for adding you as donor.
</div>
';
}
}
?>
<div class="panel panel-primary">
<div class="panel-heading">
<h3 class="panel-title text-center" style="padding:5px;font-size:16px;font-
weight:bold"><span class="fa fa-user "> </span> JOIN AS BLOOD DONOR</h3>
</div>
<div class="panel-body">
<form method="post" action="Donor_reg.php" autocomplete="off" role="form"
enctype="multipart/form-data">
<div class="form-group">
<label class="control-label text-primary" for="NAME" >Name</label>
<input type="text" placeholder="Full Name" id="NAME" name="NAME" required
class="form-control input-sm">

```

```

</div>
<div class="form-group">
<label class="control-label text-primary" for="FATHER_NAME">Father
Name</label>
<input type="text" placeholder="Father Name" id="FATHER_NAME"
name="FATHER_NAME" required class="form-control input-sm">
</div>

<div class="form-group">
<label class="control-label text-primary" for="GENDER">Gender</label>
<select id="gen" name="GENDER" required class="form-control input-sm">
<option value="">Select Gender</option>
<option value="Male">Male</option>
<option value="Female">Female</option>
<option value="others">others</option>
</select>
</div>
<div class="form-group">
<label class="control-label text-primary" for="DOB">D.O.B</label>
<input type="text" placeholder="YYYY/MM/DD" required id="DOB" name="DOB"
class="form-control input-sm DATES">
</div>
<div class="form-group">
<label class="control-label text-primary" for="BLOOD" >Blood Group</label>
<select id="blood" name="BLOOD" required class="form-control input-sm">
<option value="">Select Blood</option>
<option value="A+">A+</option>
<option value="A-">A-</option>
<option value="B+">B+</option>
<option value="B-">B-</option>
<option value="O+">O+</option>
<option value="O-">O-</option>
<option value="AB+">AB+</option>
<option value="AB-">AB-</option>
</select>
</div>
<div class="form-group">
<label class="control-label text-primary" for="BODY_WEIGHT" >Body
Weight</label>

```

```

<input type="text" required placeholder="Weight In Kgs" name="BODY_WEIGHT"
id="BODY_WEIGHT" class="form-control input-sm">
</div>
<div class="form-group">
<label class="control-label text-primary" for="EMAIL" >Email ID</label>
<input type="email" required name="EMAIL" id="EMAIL" class="form-control"
placeholder="Email Address">
</div>

```

```

<div class="form-group">
<label class="control-label text-primary" for="COUNTRY">Country</label>
<select name="COUNTRY" id="COUNTRY" required class="form-control">
<option value="">Select Country</option>
<?php
$sql="SELECT COUNTRY_ID,COUNTRY_NAME FROM country ORDER BY
COUNTRY_NAME ASC";
$result=$con->query($sql);
if($result->num_rows>0)
{
while($row=$result->fetch_assoc())
{
echo "<option value='{ $row['COUNTRY_ID']}'>{ $row['COUNTRY_NAME']}"
    "</option>";
}
}
?>
</select>
</div>
<div class="form-group">
<label class="control-label text-primary" for="STATE">State</label>
<select name="STATE" id="STATE" required class="form-control">
<option value="">Select State</option>
<?php
$sql="SELECT STATE_ID,STATE_NAME FROM state ORDER BY
STATE_NAME ASC";
$result=$con->query($sql);
if($result->num_rows>0)
{
while($row=$result->fetch_assoc())
{

```



```

echo "<option value='{ $row['STATE_ID']}'>{$row['STATE_NAME']}"
    </option>";
}
}

?>
</select>
</div>
<div class="form-group">
<label class="control-label text-primary" for="CITY" >City</label>
<select name="CITY" id="CITY" required class="form-control">
<option value="">Select City</option>
<?php
$sql="SELECT CITY_NAME,CITY_ID FROM city ORDER BY CITY_NAME";
$result=$con->query($sql);
if($result->num_rows>0)
{
while($row=$result->fetch_assoc())
{
echo "<option value='{ $row['CITY_ID']}'>{$row['CITY_NAME']}" </option>";
}
}

?>
</select>

</div>

<div class="form-group">
<label class="control-label text-primary" for="AREA" >Area</label>
<input type="text" required name="AREA" id="AREA" class="form-control"
placeholder="Insert Area">
</div>

<div class="form-group">
<label class="control-label text-primary" for="ADDRESS">Address</label>
<textarea required name="ADDRESS" id="ADDRESS" rows="5"
style="resize:none;" class="form-control" placeholder="Full Address"></textarea>
</div>

```

```

<div class="form-group">
<label class="control-label text-primary" for="PINCODE">Pincode</label>
<input type="text" required name="PINCODE" id="PINCODE" class="form-control"
placeholder="Insert Pincode">
</div>
<div class="form-group">
<label class="control-label text-primary" for="CONTACT_1" >Contact-1</label>
<input type="text" required name="CONTACT_1" id="CONTACT_1" class="form-
control" placeholder="Contact No-1">
</div>
<div class="form-group">
<label class="control-label text-primary" for="CONTACT_2" >Contact-2</label>
<input type="text" required name="CONTACT_2" id="CONTACT_2" class="form-
control" placeholder="Contact No-2">
</div>
<hr>
<div class="form-group">
<label class="control-label text-primary"><input type="checkbox" id="c1" >&nbsp;
Voluntary Donor</label>
</div>
<div id="volu">
<div class="form-group">

<select name="VOLUNTARY" id="VOLUNTARY" class="form-control input-
sm">
<option value="">Select</option>
<option value="Yes">Yes</option>
<option selected value="No">No</option>
</select>
</div>
<div class="form-group">
<input type="text" name="VOLUNTARY_GROUP" id="VOLUNTARY_GROUP"
class="form-control" placeholder="Voluntary Group Name" value="Nill">
</div>
<div class="form-group">
<label class="control-label text-primary" for="LAST_D_DATE">Last Blood
Donoted Date</label>
<input type="text" name="LAST_D_DATE" value="0000/00/00"
id="LAST_D_DATE" placeholder="YYYY/MM/DD" class="form-control input-sm
DATES">

```

```

</div>
</div>
<hr>
<div class="form-group" id="new">
<label class="control-label text-primary" for="NEW_DONOR">New Donor</label>
<select name="NEW_DONOR" id="NEW_DONOR" class="form-control input-sm">
<option value="">Select</option>
<option value="Yes" >Yes</option>
<option value="No" selected>No</option>
</select>
</div>
<div class="form-group">
<label class="control-label text-success" for="fileToUpload" >Upload Photo</label>
<input type="file" class="form-control" name="fileToUpload">
</div>
<div class="form-group">
<label class="control-label text-success"><input type="checkbox" checked
id="c2">&nbsp; I have read the eligibility criteria and confirm that i am eligible to
donate blood.</label>
<label class="control-label text-success"><input type="checkbox" checked id="c3"
>&nbsp; I agree to the Term and Conditions and consent to have my contact and
donor information published to the potential blood recipients.</label>
</div>
<div class="form-group">
<button class="btn btn-primary" type="submit" name="submit" >Registrar
Now</button>
</div>
</form>
</div>
</div>
</div>
</div>
</div>
</div>

<?php include("footer.php"); ?>
<script>
$(document).ready(
function(){
$("#volu").hide();

```

```

$("#c1").click(function(){
if($("#c1").is(':checked'))
{
$("#volu").show(1000);
$("#new").hide(100);
}
else
{
$("#volu").hide(1000);
$("#new").show(100);
}
});

/*
$("#CITY").change(function(){
var city=$("#CITY").val();
//alert(city);
$.post('functions.php',{G_CITY_ID:city},function(data){
//          alert(data);
$("#STATE").html(data);
});

});*/
$("#COUNTRY").change(function(){
var countr=$("#COUNTRY").val();
//alert(city);
$.post('get_state.php',{G_STATE_ID:countr},function(data){
//          alert(data);
$("#STATE").html(data);
});

});

$("#STATE").change(function(){
var stdid=$("#STATE").val();
//alert(city);
$.post('get_city.php',{G_STATE_ID:stdid},function(data){
//          alert(data);
$("#CITY").html(data);
});

```

```

))

});
$(function() {
var availableTags = [
<?php
$sql="SELECT AREA_NAME FROM area";
$result=$con->query($sql);

if($result->num_rows>0)
{
$i=0;
$n=$result->num_rows;
while($row=$result->fetch_assoc())
{
$i++;
if($n!=$i)
{
echo "'".$row['AREA_NAME']."'";
}
else
{
echo "'".$row['AREA_NAME']."'";
}}
}
?>
];
$( "#AREA" ).autocomplete({
source: availableTags
});
});
</script>

</body>
</html>

```