

A
Project Report
On
Blood Bank & Donor Management System

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Semester – 5

Project Guide :
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Submitted To :
Geetanjali College Of Computer
Science And Commerce (B.B.A). Rajkot.

Academic Year : 2024-2025

ACKNOWLEDGEMENT

I Am Happy To Submit My Idea Of " Blood Bank & Donor Management System "
Application In Saurashtra University, Rajkot For BCA Degree In Computer Branch.

We take this occasion to thank God, almighty for blessing us with his grace and taking our Endeavour to a successful culmination. We extend our sincere and heartfelt thanks to our esteemed guide, PROF. SHREYA DOSHI for providing us with the right guidance and advice at the crucial junctures and for showing us the right way. We would like to thank the other faculty members also, at this occasion. Last but not the least, we would like to thank friends for the support and encouragement they have given us during the course of our work.

INTRODUCTION

System Development:

The process of building systems has always been complex with system becoming larger, the costs and complexities get multiplied. So the need for better methods for developing systems is widely recognized to be effective and the applied model should meet a few basic requirements.

- The model should be structured and cover the entire system development process from feasibility study to programming, testing and implementation.
- The model should utilize established methods and techniques like database designs, normalizations and structured programming techniques.
- The model should consist of building blocks, which define tasks, results and interfaces.
- The model should separate the logical system from the physical system.
- Documentation should be a direct result of the development work and should be concise, precise and as non-redundant as possible.

Based on the above requirements of the system model, system study has been made. Various methodologies have been applied for system study, evolving design documents, data modeling, input screen design and report design.

Project:

The persons who like to donate blood registers in my site. The persons in need of blood searches for the persons having the same blood group and within the city. If he found a donor in his city then he gets the total details of the donor, if he doesn't find any donor then he is given the contact numbers and addresses of the Life Saving Contact Persons for major cities. In this projects we use PHP and Mysql and it contains two modules i.e Admin and Donor.

Admin Module

Dashboard: In this section, admin can view all the details in brief like total blood group listed, registered donor list and total enquiries received.

Blood Group: In this section, admin can manage blood group(Add/ Delete).

Donor List: In this section, admin can view list of donor and have right to delete and hide the detail of donor.

Manage Contact us Query: In this section, admin can manage query which is received by users.

Manage Pages: In this section, admin can website pages.

Update Contact info: In this section, admin can update the contact details of website.

Request Received by Donor: In this section, admin can view the request of blood which is received by donor.

Admin can also update his profile, change the password and recover the password.

Donor Module

Home: Its is welcome page for users and donor. If any users want to donate the blood they must register with us.

About Us: Users can view the about us page.

Contact Us: Users can contact with admin the through contact us page.

Donor List: Users can view and contact with donor.

Search Donor: Users can search the donor according to city and blood group.

Registered Users(Donor)

Home: Its is welcome page for users and donor. If any users want to donate the blood they must register with us.

About Us: Users can view the about us page.

Contact Us: Users can contact with admin the through contact us page.

Donor List: Users can view and contact with donor.

Search Donor: Users can search the donor according to city and blood group.

My Account:

- Profile
- Request Received
- Logout

Donor can also update his profile, change the password and recover the password.

Software Environment

The environment specifies the software tools and frameworks required for development, operation, and maintenance of the BBDMS application.

Technologies Used:

- **HTTP:** Communication protocol for transferring data over the web.
- **PHP:** Server-side scripting language for dynamic content generation.
- **MySQL:** Relational database management system.
- **HTML:** Markup language for creating web page structure.
- **JavaScript:** Client-side scripting for interactive features.

Technology Breakdown:

1. HTTP

- **Definition:** Hypertext Transfer Protocol is a stateless, connectionless protocol used to communicate between a client (web browser) and a server. It operates over TCP/IP and follows a request/response paradigm.
- **Operation:** HTTP opens a connection, sends a request, receives a response, and then closes the connection. This is efficient for supporting many users but incurs performance penalties with every new connection.

2. PHP

- **What is PHP?:** PHP is a widely-used server-side scripting language ideal for building dynamic web applications.
- **Capabilities:**
 - Dynamic content generation.
 - Handling form data.
 - Managing user authentication and session control.
 - Working with databases such as MySQL.
 - File operations (create, read, write).

- **Why PHP?:** It is open-source, cross-platform, and compatible with many web servers and databases.

3. MySQL

- **What is MySQL?:** A popular, open-source relational database management system, known for being reliable, secure, and compatible with many applications.
- **Capabilities:**
 - Data Definition Language (DDL): Used to define structures (tables, databases).
 - Data Manipulation Language (DML): Used to manage data (insert, delete, update).
 - Data Control Language (DCL): Used to control access to data (grant, revoke).
- **Why MySQL?:** It is fast, secure, and supports a wide range of platforms.

4. HTML

- **Definition:** HyperText Markup Language is used to structure web pages.
- **Why HTML?:** It ensures the application is accessible across different platforms and browsers.
- **Features:**
 - Supports multimedia, hyperlinks, and forms.
 - Works well with CSS and JavaScript for enhanced functionality.

5. JavaScript

- **What is JavaScript?:** A lightweight, object-based scripting language for creating dynamic, client-side content.
- **Capabilities:**
 - Enhances web interactivity.
 - Handles client-side form validation, event handling, and DOM manipulation.

- **Why JavaScript?:** It's platform-independent and works across various browsers, providing rich user experiences.

Cascading Style Sheets (CSS):

CSS is used to ensure a consistent look and feel throughout the website. By separating content from presentation, it allows for easier updates and better design consistency.

Conclusion:

This combination of technologies ensures that the BBDMS system is highly scalable, efficient, and user-friendly. The system can manage large volumes of data and users while providing dynamic interactions and secure database management.

WORKING ENVIRONMENT

Hardware Configuration:

Processor	:	P III 700 MHz
RAM	:	64 MB RAM
Hard Disk Drive	:	20 GB HDD
Keyboard	:	104 keys
Mouse	:	Logitech Mouse
Monitor	:	15" digital color monitor
Display Type	:	VGA

Software Configuration:

Operating System	:	Windows xp, Vista,7 or any one
Web server	:	Apache
Web Browser	:	Chrome/Mozilla/Internet Explorer5.0
Designing Tool	:	Dreamweaver3.0, HTML
Server Side Scripting	:	PHP
Client Side Scripting	:	MYSQL

System Design

The **System Design** phase is crucial in defining the architecture, components, modules, interfaces, and data that the system will handle. The design serves as the blueprint for system development, ensuring a clear pathway from requirements to implementation. Below is a refined system design breakdown for BBDMS:

1. Introduction to System Design

- **System Design:** The blueprint that specifies the structure, behavior, and overall functioning of a system. This phase follows system analysis and bridges the gap between analysis and implementation.
 - **Key Concepts:**
 - **Abstraction:** Simplifies complex systems by focusing on the essential features while hiding the intricate details.
 - **Modularity:** Breaks down the system into smaller, manageable modules with defined interfaces, which simplifies debugging, testing, and maintenance.
 - **Verification:** Ensures the design satisfies both the requirements analysis and the end-user needs.
-

2. Essential Design Factors

- **Reliability:** The system should perform as expected under normal conditions, adhering strictly to specifications.
 - **Extensibility:** The system should be adaptable to changes in requirements or specifications.
 - **Reusability:** Modular design should allow parts of the system to be reused in other projects.
-

3. Conceptual and Detailed Design

Conceptual Design (High-Level Design):

- Specifies the **externally observable characteristics** of the system, such as:
 - User interfaces
 - External data sources and destinations
 - Functional characteristics
 - System flow and data handling

Detailed Design (Low-Level Design):

- Focuses on the **internal structure** of the system, providing details for:
 - Module interactions
 - Data handling and storage mechanisms
 - Error handling, security, and performance tuning
-

4. Preliminary Design

- Focuses on an overall picture of the system's modules and sub-modules.
 - **Tools for Preliminary Design:**
 - **Data Flow Diagrams (DFD):** Illustrate the flow of data through the system.
 - **Entity-Relationship (ER) Diagrams:** Represent the database's logical structure.
 - Modules and sub-modules are designed with the principles of **Cohesion** (keeping related functionality together) and **Coupling** (minimizing dependencies between modules).
-

5. Code Design

- **Purpose:** To identify and retrieve information efficiently.
 - **Characteristics:**
 - Codes should be **unique**, concise, and expandable.
 - They should follow a standard format for ease of storage and retrieval.
 - Codes should be easily understandable, versatile, stable, and meaningful.
-

6. Input Design

- The primary objectives of input design:
 - **Cost-effective input methods.**
 - **Accuracy** of data entry.
 - **User-friendliness:** The system should be easy to use for the staff.
 - **User Interface:** Input screens are designed to be intuitive, minimizing the risk of incorrect data entry.
 - **Pushbuttons and shortcuts:** Enhance the user experience and simplify operations.
-

7. Output Design

- **Outputs** communicate the results of system processing to users or external entities.
- **Types of Outputs:**
 - **External Outputs:** Delivered to users or entities outside the organization, like donor reports or statistics.
 - **Internal Outputs:** Used by staff within the organization for internal decision-making or operations.
 - **Operation Outputs:** Include system logs, usage statistics, and error reports used by system administrators.

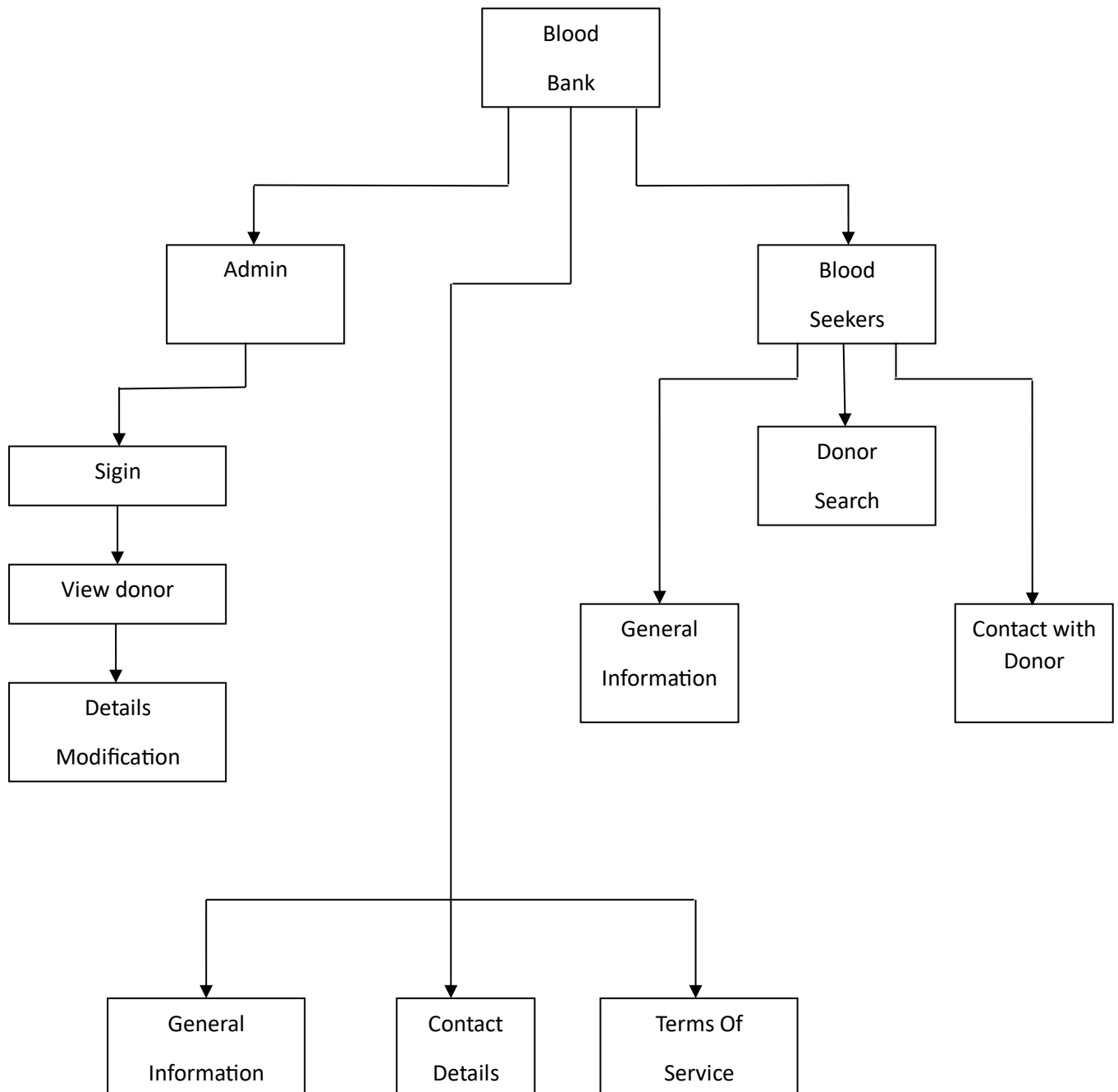
- **Interactive Outputs:** Involve real-time communication between users and the system, such as live data reports or user prompts.

8. Design Concepts Recap

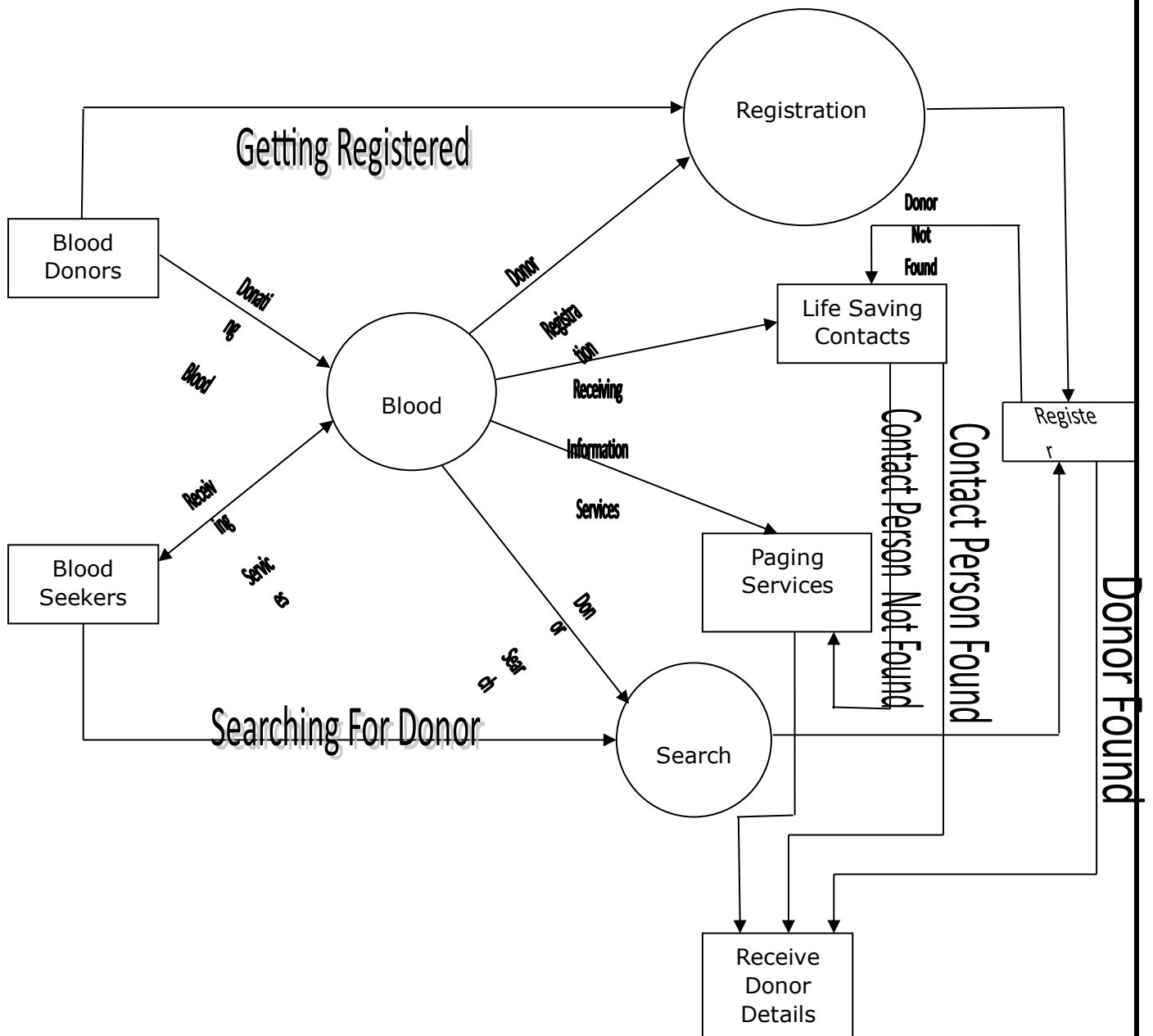
- **Abstraction:** Simplifies complex systems by focusing on the key functionality.
- **Modularity:** Divides the system into independent modules to improve maintainability.
- **Verification:** Ensures the system meets the requirements and functions correctly during implementation.

System Design Tools :

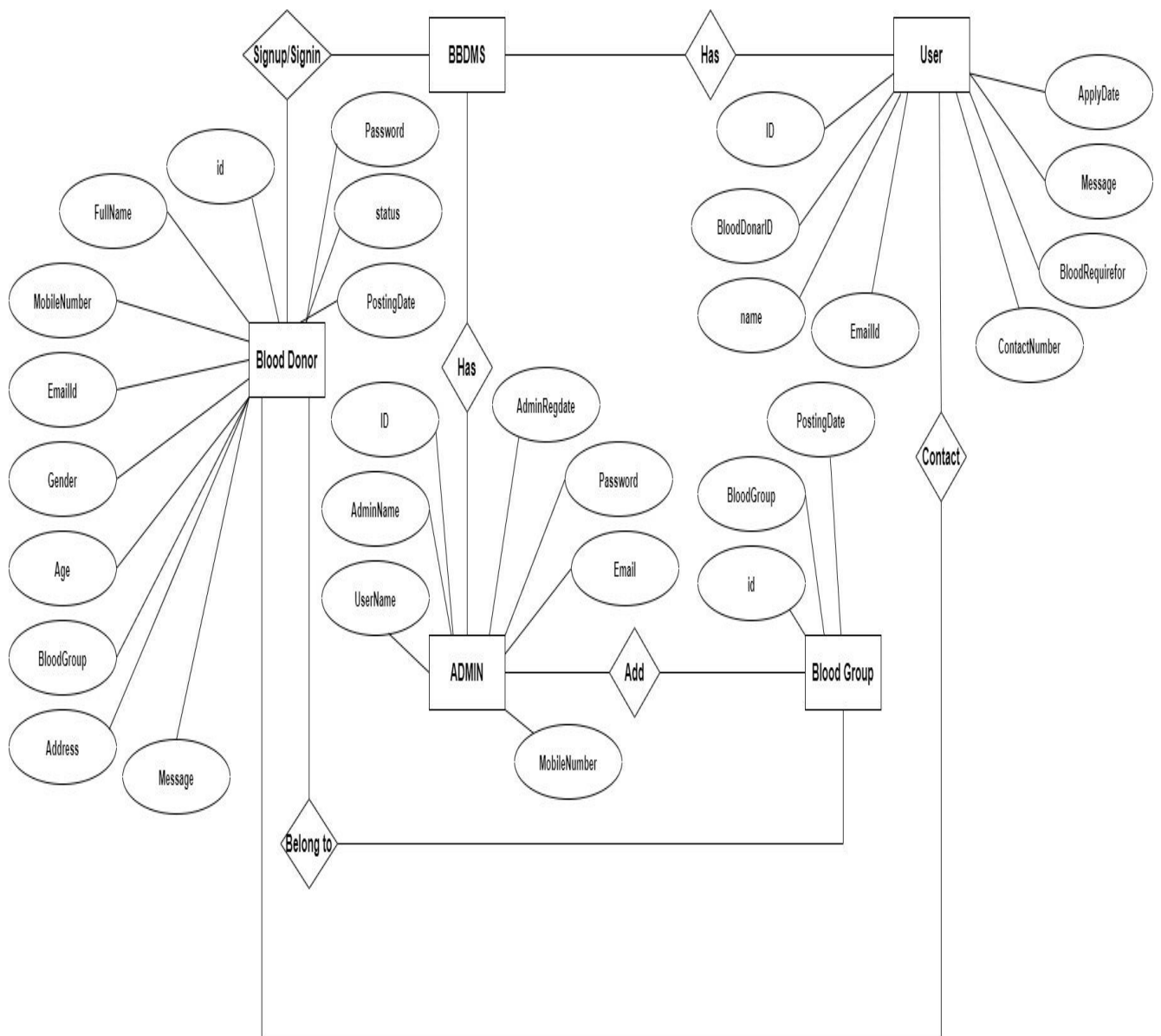
SYSTEM FLOW DIAGRAM



Data flow Diagrams :



ER Diagram :



Data Dictionary

- **Admin Table :**

#	Name	Type	Collation	Null	Default	Extra
1	id	int(11)		No	None	AUTO_INCREMENT
2	AdminName	varchar(50)	utf8mb4_general_ci	No	None	
3	UserName	varchar(50)	utf8mb4_general_ci	No	None	
4	MobileNumber	varchar(11)	utf8mb4_general_ci	No	None	
5	Email	varchar(50)	utf8mb4_general_ci	No	None	
6	Password	varchar(50)	utf8mb4_general_ci	No	None	

- **Blood-Group:**

#	Name	Type	Collation	Null	Default	Extra
1	id	int(11)		No	None	AUTO_INCREMENT
2	AdminName	varchar(50)	utf8mb4_general_ci	No	None	
3	UserName	varchar(50)	utf8mb4_general_ci	No	None	

• Blooddonars Table:

#	Name	Type	Collation	Null	Default	Extra
1	id	int(11)		No	NULL	AUTO_INCREMENT
2	fname	varchar(50)	utf8mb4_general_ci	Yes	NULL	
3	number	varchar(50)	utf8mb4_general_ci	Yes	NULL	
4	email	varchar(11)	utf8mb4_general_ci	Yes	NULL	
5	age	varchar(50)		Yes	NULL	
6	gender	varchar(50)	utf8mb4_general_ci	Yes	NULL	
7	blood_group	varchar(50)	utf8mb4_general_ci	Yes	NULL	
8	date-of-birth	date		Yes	NULL	
9	address	varchar(500)	utf8mb4_general_ci	Yes	NULL	
10	date-time	datetime(6)		Yes	NULL	
11	state	varchar(50)	utf8mb4_general_ci	Yes	NULL	
12	password	varchar(50)	utf8mb4_general_ci	Yes	NULL	

• Bloodrequirer Table:

#	Name	Type	Collation	Null	Default	Extra
1	id	int(11)		No	None	AUTO_INCREMENT
2	BloodDonarid	varchar(50)		Yes	Null	
3	name	varchar(50)	utf8mb4_general_ci	Yes	Null	
4	email	varchar(11)	utf8mb4_general_ci	Yes	Null	
5	number	varchar(50)	utf8mb4_general_ci	Yes	Null	
6	bloodrequirefor	varchar(50)	utf8mb4_general_ci	Yes	Null	
7	message	mediumtext	utf8mb4_general_ci	Yes	Null	
8	ApplyDate	timestamp		Yes	current_timestamp()	

- **Contactus Table:**

#	Name	Type	Collation	Null	Default	Extra
1	id	int(11)		No	None	AUTO_INCREMENT
2	name	varchar(50)	utf8mb4_general_ci	No	None	
3	number	varchar(10)	utf8mb4_general_ci	No	None	
4	email	varchar(50)	utf8mb4_general_ci	No	None	
5	message	text		No	None	
6	Posting_Date	timestamp	utf8mb4_general_ci	No	current_timestamp()	

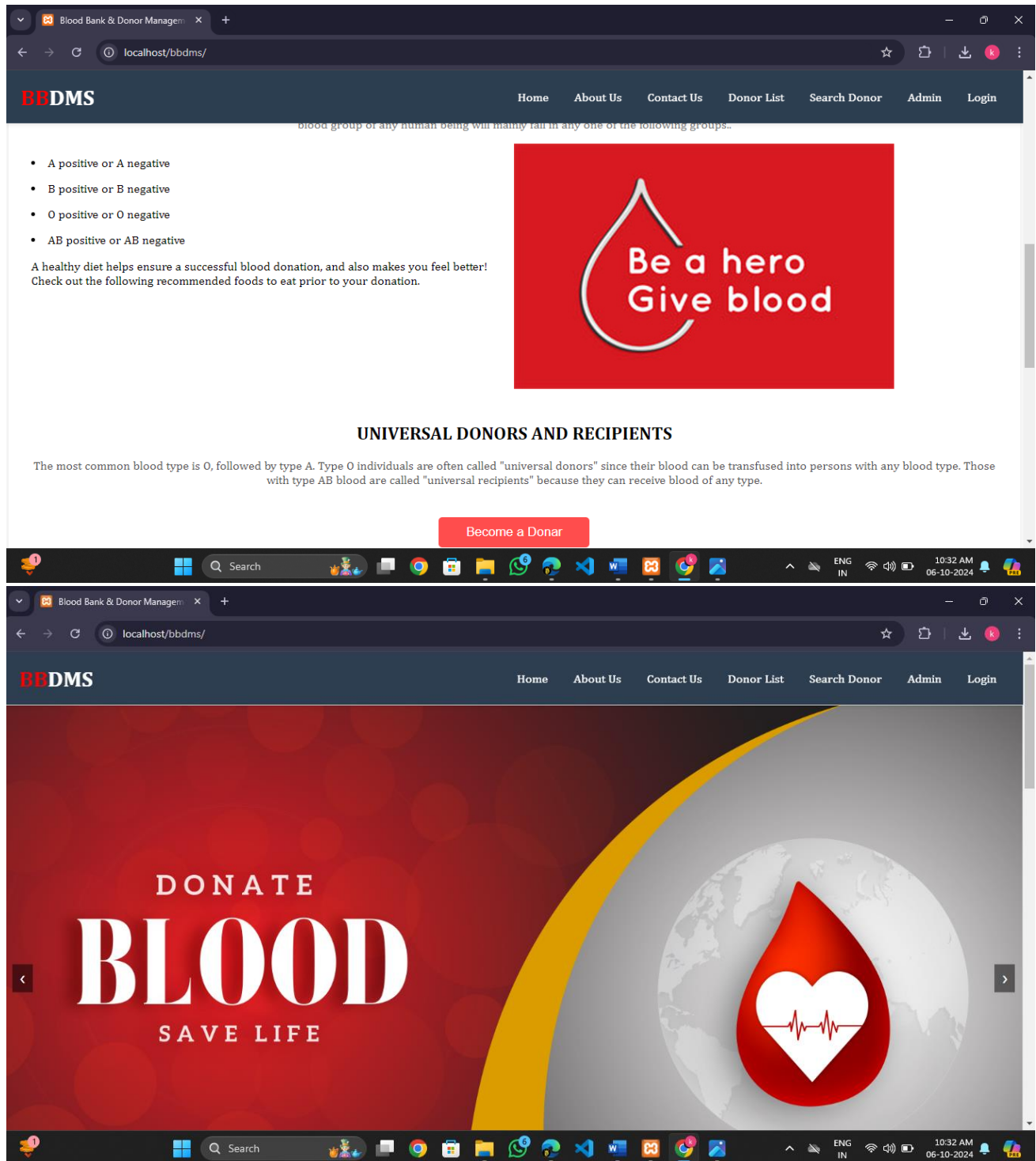
- **Contactusinfo Table:**

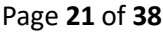
#	Name	Type	Collation	Null	Default	Extra
1	id	int(11)		No	None	AUTO_INCREMENT
2	Address	varchar(50)	utf8mb4_general_ci	No	None	
3	Number	varchar(50)	utf8mb4_general_ci	No	None	
4	Email	varchar(50)	utf8mb4_general_ci	No	None	

SCREENS (Project Screen Shots)

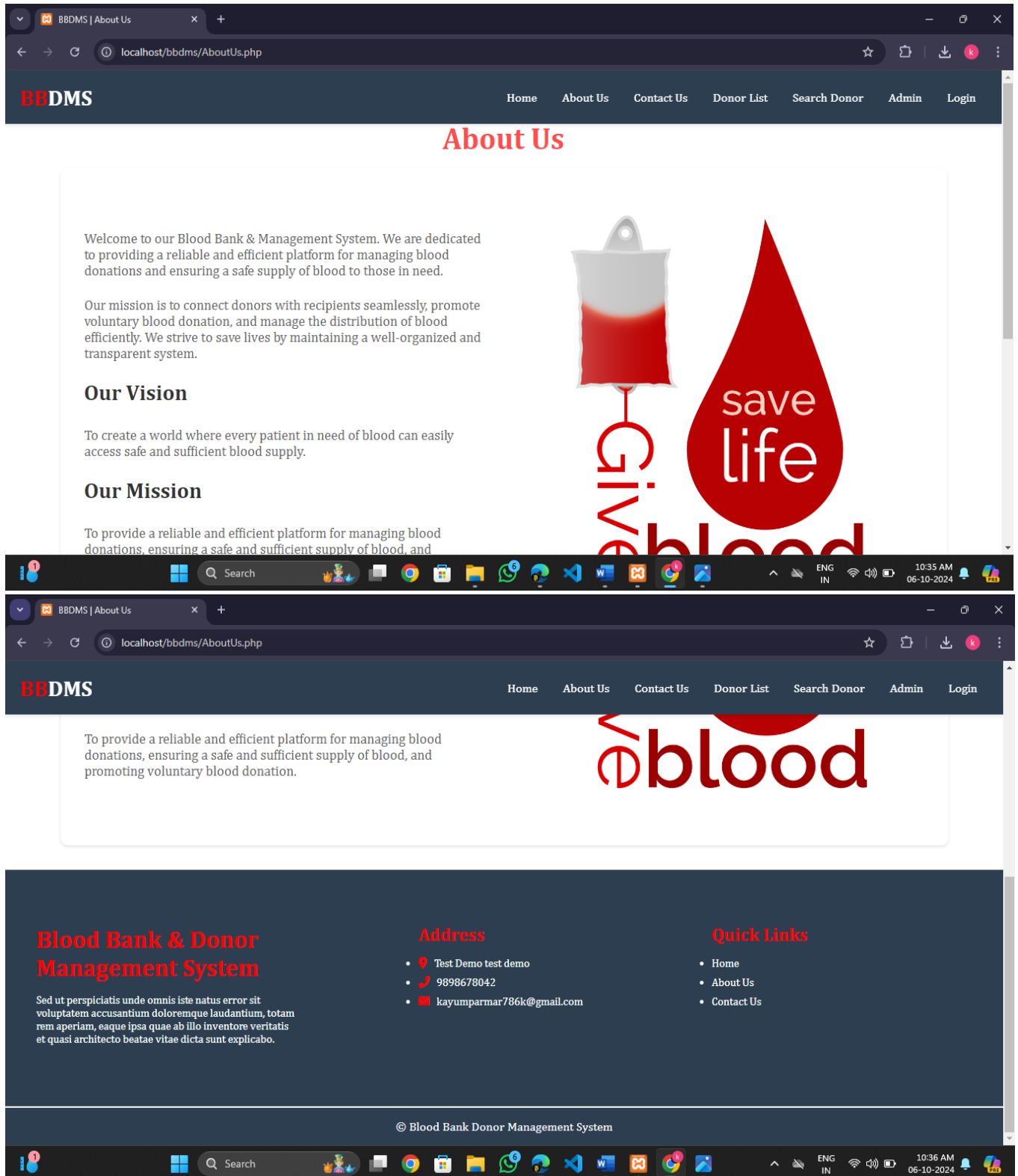
User Penel:

Home Page :





About Us Page :



Contact Us Page :

BBDMS Home About Us Contact Us Donor List Search Donor Admin Login

Contact Us

Please enter your name.

Please enter your phone number.

Please enter your email address.

Please enter your message

Send Message

Blood Bank & Donor Management System

Address

- Test Demo test demo

Quick Links

- Home

10:39 AM 06-10-2024

Donor List :

BBDMS Home About Us Contact Us Donor List Search Donor Admin Login

Blood Donor List

kayum kayum	kayum parmar	kp
Gender: male	Gender: male	Gender: male
Blood Group: AB+	Blood Group: A+	Blood Group: B+
Date-of-birth: 2005-05-10	Date-of-birth: 2005-05-10	Date-of-birth: 2000-05-15
Email ID: kp@gmail.com	Email ID: kayumparmar10@gmail.com	Email ID: kp@gmail.com

10:42 AM 06-10-2024

BBDS | Blood Donor List

localhost/bbds/DonorList.php

BBDS

[Home](#)[About Us](#)[Contact Us](#)[Donor List](#)[Search Donor](#)[Admin](#)[Login](#)

Age

20

City

rajkot

Contact Number

2147483647

Request

Age

20

City

upleta

Contact Number

987654321

Request

Age

20

City

upleta

Contact Number

963258741

Request

Kayum Parmar

Gender

male

Blood Group

AB+

Date of birth

2005-02-10

parmar kayum hanifbhai

Gender

male

Blood Group

O-

Date of birth

2005-05-10

BBDS | Blood Donor List

localhost/bbds/DonorList.php

BBDS

[Home](#)[About Us](#)[Contact Us](#)[Donor List](#)[Search Donor](#)[Admin](#)[Login](#)

Email ID

kp@gmail.com

Age

19

City

Rajkot

Contact Number

9898678042

Request

Email ID

kayumparmar10@gmail.com

Age

18

City

rajkot

Contact Number

9898678042

Request

Blood Bank & Donor Management System

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.

Address

Test Demo test demo

9898678042

kayumparmar786k@gmail.com

Quick Links

Home

About Us

Contact Us

BBDS | Blood Donor List

localhost/bbds/DonorList.php

BBDS

[Home](#)[About Us](#)[Contact Us](#)[Donor List](#)[Search Donor](#)[Admin](#)[Login](#)

Age

20

City

rajkot

Contact Number

2147483647

Request

Age

20

City

upleta

Contact Number

987654321

Request

Age

20

City

upleta

Contact Number

963258741

Request

Kayum Parmar

Gender

male

Blood Group

AB+

Date of birth

2005-02-10

parmar kayum hanifbhai

Gender

male

Blood Group

O-

Date of birth

2005-05-10

Email ID

kp@gmail.com

Age

19

City

Rajkot

Contact Number

9898678042

Request

Email ID

kayumparmar10@gmail.com

Age

18

City

rajkot

Contact Number

9898678042

Request

Blood Bank & Donor Management System

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.

Address

Test Demo test demo

9898678042

kayumparmar786k@gmail.com

Quick Links

Home

About Us

Contact Us

Search Donor :

BBDMS | Search Donor List

localhost/bbdms/SearchDonor.php

BBDMS

Home About Us Contact Us Donor List Search Donor Admin Login

Search Blood Donor

Blood Group *

Select Blood Group

Submit

Blood Bank & Donor Management System

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.

Address

- Test Demo test demo
- 9898678042
- kayumparmar786k@gmail.com

Quick Links

- Home
- About Us
- Contact Us

© Blood Bank Donor Management System

10:45 AM 06-10-2024

Admin Login Page :

BBDMS | Admin login

localhost/bbdms/Admin/index.php

Welcome

Username

Enter Username

Password

Enter Password

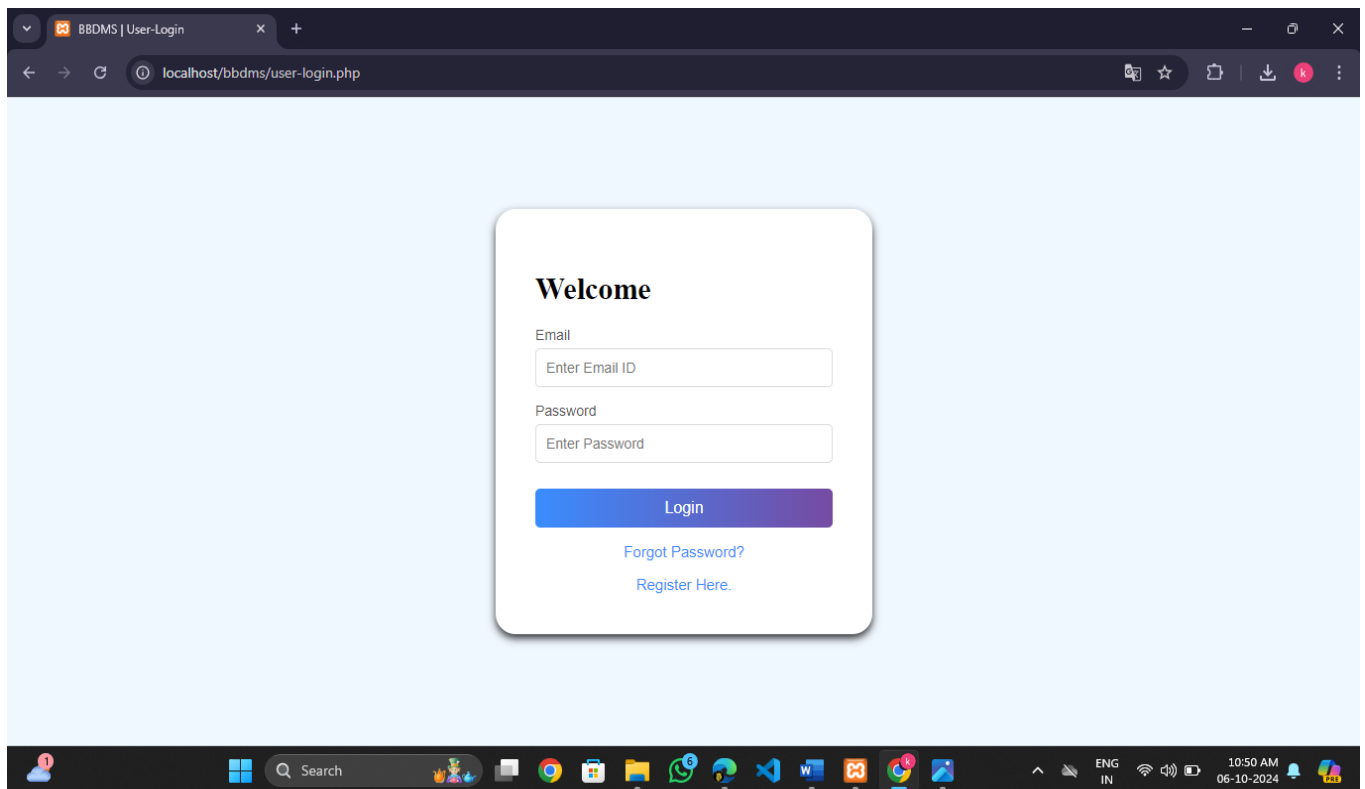
Login

[Forgot Password?](#)

[Back to Home](#)

10:47 AM 06-10-2024

User Login Page :



The screenshot shows a web browser window with the title "BBDMS | User-Login". The address bar displays "localhost/bbdms/user-login.php". The page features a light blue background with a central white login card. The card has a "Welcome" heading, followed by "Email" and "Password" labels. Each label is paired with a text input field containing placeholder text: "Enter Email ID" and "Enter Password". Below these fields is a blue "Login" button. Underneath the button are two links: "Forgot Password?" and "Register Here.". The browser's taskbar at the bottom shows various application icons and a system clock indicating 10:50 AM on 06-10-2024.

Welcome

Email
Enter Email ID

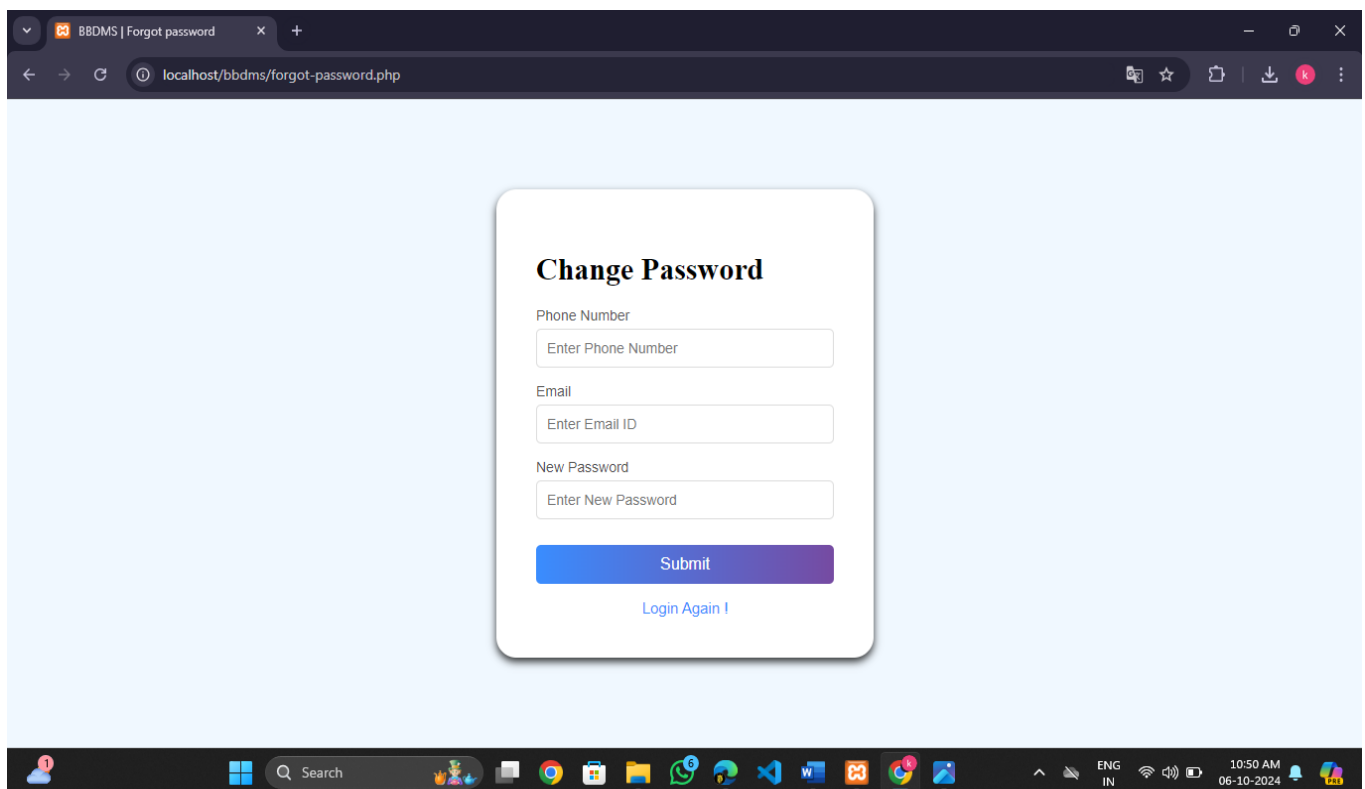
Password
Enter Password

Login

[Forgot Password?](#)

[Register Here.](#)

Change password Page :



The screenshot shows a web browser window with the title "BBDMS | Forgot password". The address bar displays "localhost/bbdms/forgot-password.php". The page features a light blue background with a central white change password card. The card has a "Change Password" heading, followed by "Phone Number", "Email", and "New Password" labels. Each label is paired with a text input field containing placeholder text: "Enter Phone Number", "Enter Email ID", and "Enter New Password". Below these fields is a blue "Submit" button. Underneath the button is a link: "Login Again !". The browser's taskbar at the bottom shows various application icons and a system clock indicating 10:50 AM on 06-10-2024.

Change Password

Phone Number
Enter Phone Number

Email
Enter Email ID

New Password
Enter New Password

Submit

[Login Again !](#)

Register User Page :

The screenshot displays a web browser window with the address bar showing 'localhost/bbdms/Registration.php'. The page title is 'BBDMS | Registration Page'. The main content area features a registration form titled 'Register Now'. The form includes the following fields and elements:

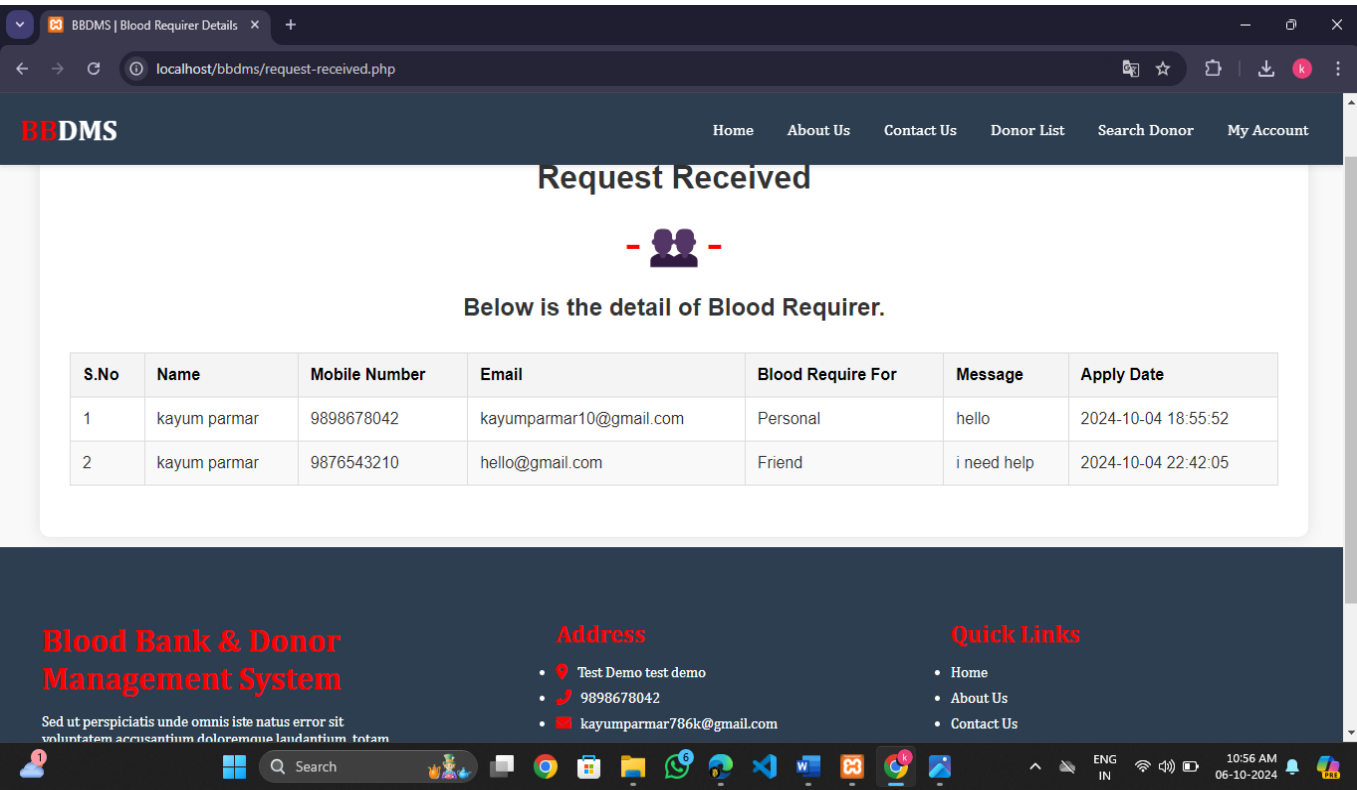
- Full Name**: A text input field.
- Phone Number**: A text input field.
- Email**: A text input field.
- Age**: A text input field.
- Gender**: A dropdown menu with the option 'Select Gender'.
- Blood Group**: A dropdown menu with the option 'Select Blood Group'.
- Date of Birth**: A text input field with a calendar icon, showing the format 'dd-mm-yyyy'.
- Address**: A text input field.
- Registration Date-Time**: A text input field showing '06-10-2024 05:21 AM'.
- City**: A text input field.
- Password**: A text input field.
- Buttons**: Two buttons at the bottom: 'Register' (blue) and 'Back to Home' (grey).

The Windows taskbar at the bottom shows the system clock as 10:52 AM on 06-10-2024, along with various application icons and system status indicators.

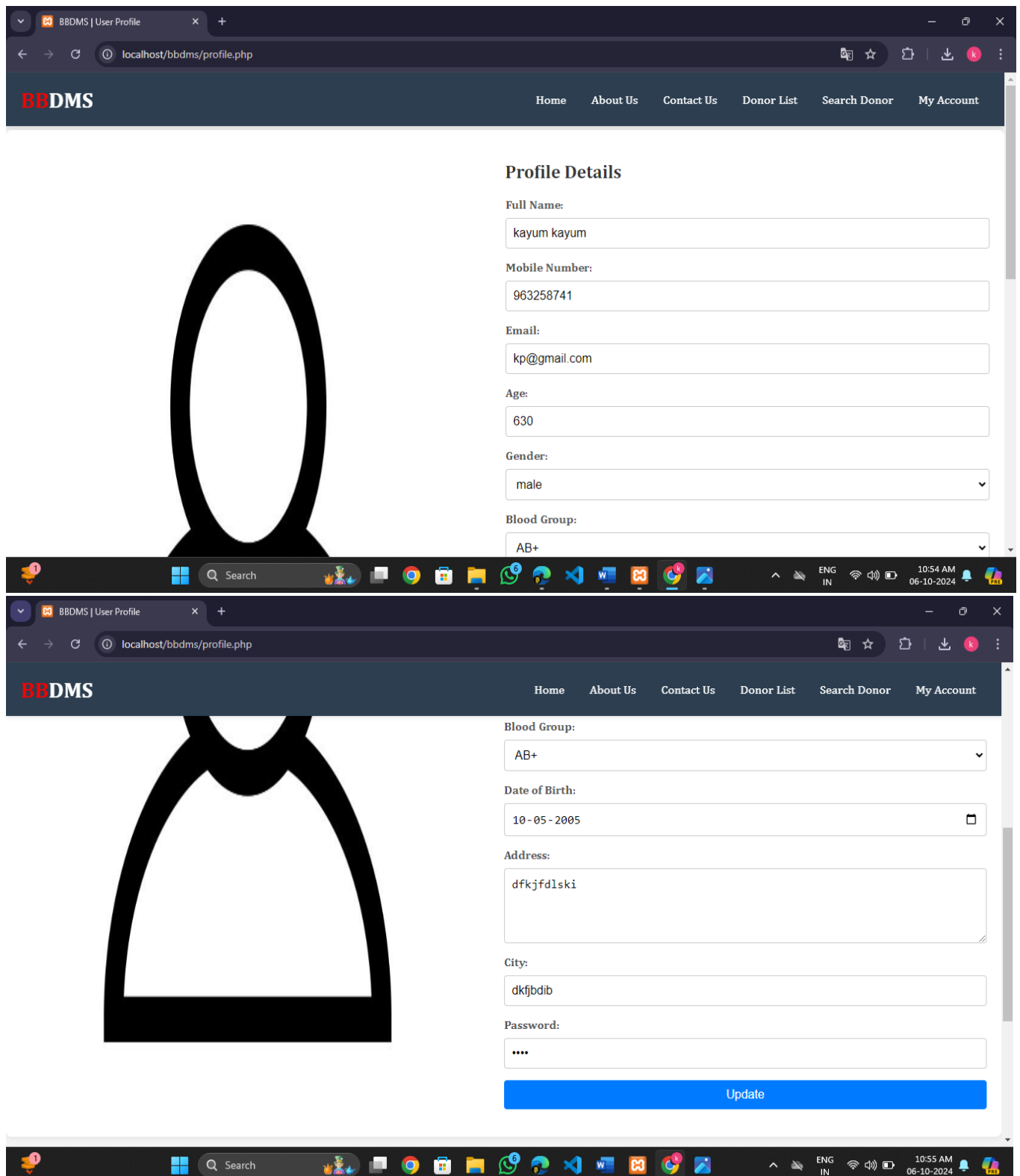
User Login Home Page :



User Request Page :



User Profile Page :



The image shows a screenshot of a web browser displaying the 'User Profile' page of a system called 'BBDMS'. The browser's address bar shows 'localhost/bbdms/profile.php'. The page has a dark blue header with the 'BBDMS' logo and navigation links: Home, About Us, Contact Us, Donor List, Search Donor, and My Account. The main content area is titled 'Profile Details' and contains several form fields for user information. The fields are arranged in two columns. The left column has a large, empty oval placeholder for a profile picture. The right column contains the following fields: Full Name (text input with 'kayum kayum'), Mobile Number (text input with '963258741'), Email (text input with 'kp@gmail.com'), Age (text input with '630'), Gender (dropdown menu with 'male' selected), and Blood Group (dropdown menu with 'AB+' selected). Below these fields, there is a section for updating the profile, which includes fields for Blood Group (dropdown with 'AB+' selected), Date of Birth (calendar icon with '10-05-2005'), Address (text area with 'dfkjfd1ski'), City (text input with 'dkfjbdib'), and Password (password input with '****'). A blue 'Update' button is located at the bottom of this section. The Windows taskbar is visible at the bottom of the browser window, showing various application icons and the system clock (10:54 AM, 06-10-2024).

BBDMS Home About Us Contact Us Donor List Search Donor My Account

Profile Details

Full Name:

Mobile Number:

Email:

Age:

Gender:

Blood Group:

Blood Group:

Date of Birth:

Address:

City:

Password:

Admin Penel :

Admin Dashboard Page :

The screenshot shows the Admin Dashboard page. The header includes the system name "BloodBank & Donor Management System" and a user profile "Account". The left sidebar lists navigation options: Dashboard, Blood Group, Donor List, Manage Contactus Query, Blood Requests, and Update Contact Info. The main content area, titled "Dashboard", features three summary cards: "LISTED BLOOD GROUPS" with a count of 8, "REGISTERED BLOOD GROUP" with a count of 8, and "TOTAL QUERIES" with a count of 7. Each card has a "FULL DETAIL" link. The browser's address bar shows "localhost/bbdms/Admin/Dashboard.php".

Donor List Page :

The screenshot shows the "Manage Donor List" page. The header is the same as the dashboard. The left sidebar is also the same. The main content area is titled "Manage Donor List" and includes a search bar and a table of donors. The table has columns for #, Full Name, Contact No, Email, Age, Gender, Blood Group, Address, State, and Action. There are 6 entries displayed. The bottom of the page shows "Showing 1 to 6 of 6 entries" and navigation links for "Previous" and "Next".

#	Full Name	Contact No	Email	Age	Gender	Blood Group	Address	State	Action
1	kayum kayum	963258741	kp@gmail.com	630	male	AB+	dkjfdlski	dkjfdbib	Delete
5	kayum parmar	2147483647	kayumparmar10@gmail.com	19	male	A+	hello kayum	rajkot	Delete
9	kp	2147483647	kp@gmail.com	36	male	B+	fouughdi uriuriugir uth irthr h	Rajot	Delete
12	sagar solanki	2147483647	ss123@gmail.com	20	male	B+	hello ss	rajkot	Delete
15	Kayum Parmar	9898678042	kp@gmail.com	19	male	AB+	kalana	Rajkot	Delete
17	parmar kayum hanifbhai	9898678042	kayumparmar10@gmail.com	18	male	O-	kalana	rajkot	Delete

Blood Group Add And Manage :

Admin | Add Blood Group

localhost/bbdfs/Admin/add-bloodgroup.php

BloodBank & Donor Management SystemAccount

MAIN

Dashboard

Blood Group

Add Blood Group

Manage Blood Group

Donor List

Manage Contactus Query

Blood Requests

Update Contact Info

Add Blood Group

Blood Group

Submit

Admin | Manage Blood Groups

localhost/bbdfs/Admin/manage-bloodgroup.php

BloodBank & Donor Management SystemAccount

MAIN

Dashboard

Blood Group

Donor List

Manage Contactus Query

Blood Requests

Update Contact Info

Manage Blood Groups

#	Blood Groups	Creation Date	Action
1	A+	2024-09-05 14:40:25	
2	A-	2024-09-05 14:40:25	
3	AB+	2024-09-05 14:40:25	
4	AB-	2024-09-05 14:40:25	
5	B+	2024-09-05 14:40:25	
6	B-	2024-09-05 14:40:25	
7	O+	2024-09-05 14:40:25	
8	O-	2024-09-05 14:40:25	

Manage Contact Us Queries Page :

BloodBank & Donor Management System

Account

MAIN

- Dashboard
- Blood Group
- Donor List
- Manage Contactus Query
- Blood Requests
- Update Contact Info

Manage Contact Us Queries

Show 10 entries

Search:

#	Name	Contact No	Email	Message	Posting Date	Action
1	kayum	2147483647	kp@gmail.com	dkjjghkd uhh	2024-09-06 20:38:33	Delete
4	kayum parmar	2147483647	kayumparmar10@gmail.com	hello i am kayum parmar	2024-09-06 20:38:33	Delete
15	sagar solanki	2147483647	ss123@gmail.com	hi i am sagar	2024-09-12 15:53:27	Delete
18	parmar kayum hanif bhai	2147483647	kp@gmail.com	hello i am hero	2024-09-18 15:53:10	Delete
19	kayum parmar	2147483647	kp@gmail.com	123	2024-09-22 13:20:08	Delete
21	mm	2147483647	kp@gmail.com	mm	2024-09-22 13:26:54	Delete
23	parmar kayum hanif bhai	9898678042	kayumparmar10@gmail.com	i need blood	2024-10-03 22:19:33	Delete

Showing 1 to 7 of 7 entries

Previous 1 Next

Blood Request Info Page :

BloodBank & Donor Management System

Account

MAIN

- Dashboard
- Blood Group
- Donor List
- Manage Contactus Query
- Blood Requests
- Update Contact Info

BLOOD REQUEST INFO

S.No	Name of Donor	Contact Number of Donor	Blood Group	Name of Requirer	Mobile Number of Requirer	Email of Requirer	Blood Require For	Message of Requirer	Apply Date
1	kayum kayum	963258741	AB+	kayum parmar	9898678042	kayumparmar10@gmail.com	Personal	hello	2024-10-04 18:55:52
2	kp	2147483647	B+	sagar solanki	7412589630	ss123@gmail.com	Family	i need help	2024-10-04 22:03:34
3	kayum kayum	963258741	AB+	kayum parmar	9876543210	hello@gmail.com	Friend	i need help	2024-10-04 22:42:05
4	kayum parmar	2147483647	A+	kayum parmar	9876543210	hello@gmail.com	Friend	hy	2024-10-04 23:26:09

Update Contact Info :

The screenshot shows a web browser window with the URL `localhost/bbdms/Admin/update-contactusinfo.php`. The page title is "BloodBank & Donor Management System". The left sidebar contains a "MAIN" menu with the following items: Dashboard, Blood Group, Donor List, Manage Contactus Query, Blood Requests, and Update Contact Info (highlighted in red). The main content area is titled "Update Contact Info" and contains a form with the following fields:

- Address:** Test Demo test demo
- Contact Number:** 9898678042
- Email:** kayumparmar786k@gmail.com

An "Update" button is located at the bottom right of the form.

Admin Profile Page :

The screenshot shows a web browser window with the URL `localhost/bbdms/Admin/profile.php`. The page title is "BloodBank & Donor Management System". The left sidebar contains a "MAIN" menu with the following items: Dashboard, Blood Group, Donor List, Manage Contactus Query, Blood Requests, and Update Contact Info. The main content area is titled "Admin Profile" and contains a form with the following fields:

- Admin Name:** Admin
- User Name:** admin
- Contact Number:** 9632587410
- Email:** admin123@gmail.com

A "Save changes" button is located at the bottom right of the form. In the top right corner, there is a dropdown menu with the following options: Profile (highlighted in red) and Logout.

SYSTEM TESTING

System testing is the phase before system implementation, where the system is thoroughly tested to ensure it is error-free and meets all necessary requirements. During this stage, test data is used to identify errors and implement corrections. The reports generated during testing are reviewed and approved by the users. The system is designed to be user-friendly, with features such as online help to assist users as needed.

Test Plan:

A **test plan** is a detailed document outlining the scope, strategy, and schedule of the testing process. It also identifies the test items and personnel responsible for different testing activities. The test plan for a project is critical in ensuring that all aspects of the system are thoroughly evaluated before it goes live.

Major Testing Activities:

The test plan covers several key activities:

- **Test units:** Identifying the individual components or units of the system to be tested.
- **Features to be tested:** Specific system features that need to be evaluated.
- **Testing approach:** Describes the methods and strategies that will be used during testing.
- **Test deliverables:** Outlines what documentation and results are to be produced during the testing process.
- **Schedule:** Specifies the timeline and deadlines for each stage of testing.
- **Personnel allocation:** Identifies the individuals responsible for carrying out the testing activities.

Test Units:

Testing is conducted at two levels: **Unit Testing** and **System Testing**.

Unit Testing:

Unit testing focuses on individual components or functions of the system to ensure they work as intended. The key units tested include:

- **Validating user requests:** Ensures that requests made by users are processed correctly.
- **Validating user input:** Checks that the system accepts and processes input data accurately.
- **Exception handling:** Tests how the system responds to errors or exceptions during operation.

System Testing:

System testing is conducted after unit testing to ensure that the integrated system functions as expected. Key aspects tested during system testing include:

- **Integration of programs:** Verifies that all programs and components are integrated correctly.
- **Full system functionality:** Ensures that the entire system operates as intended once all components are working together.

Other Testing Strategies:

Alpha Testing:

Alpha testing is conducted at the developer's site, often with the customer present. The software is tested in a controlled environment, where the developer can monitor the user's interaction with the system, identifying any issues or usability problems. Errors and other problems encountered during alpha testing are recorded for correction.

Beta Testing:

Beta testing takes place at the customer's site and involves end-users using the software in a real-world environment. Unlike alpha testing, the developer is not present during beta testing. Users report any issues they encounter back to the

developer. This testing phase provides valuable feedback from actual users, which is used to make further improvements before the final product is released to the broader customer base.

Test Deliverables:

The testing process results in several important documents, which serve as evidence that the system has been thoroughly tested:

- **Unit Test Report:** A report documenting the results of unit testing for each component of the system.
- **Test Case Specification for System Testing:** A detailed document outlining the test cases used during system testing, which must be reviewed before testing begins.
- **System Testing Report:** A report summarizing the findings of system testing, including any issues found and corrective actions taken.
- **Error Report:** A log of any errors or bugs encountered during the testing process, along with their status (e.g., resolved or pending).

These documents are essential for ensuring transparency in the testing process and providing a record of the system's performance during testing.

IMPLEMENTATION AND EVALUATION

During the software-testing phase each module of software is thoroughly tested for bugs and for accuracy of output. The system developed is very user-friendly and the detailed documentation is also given to the user as online help wherever necessary. The implementation phase normally ends with the formal test involving all the components.

The entire system was developed using the PHP, HTML, JavaScript, Personal Web Server, and MYSQL as back end. The HTML is used to design the web page. The Personal Web Server is used to understand the client's request and to send response to them. The JAVASCRIPT are used for client-side validations so that the user can enter only appropriate input in the input fields. The MYSQL is the back end tool where the database resides.

Hence the design of the entire system is user-friendly and simple the implementation has been quite easy.

Future Enhancement:

As there was a little number of contact person's information given, some people may face difficulty in getting blood fast. So i like to gather more information regarding the contact persons in other cities as well as villages and will provide much more services for the people and help everyone with humanity.

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