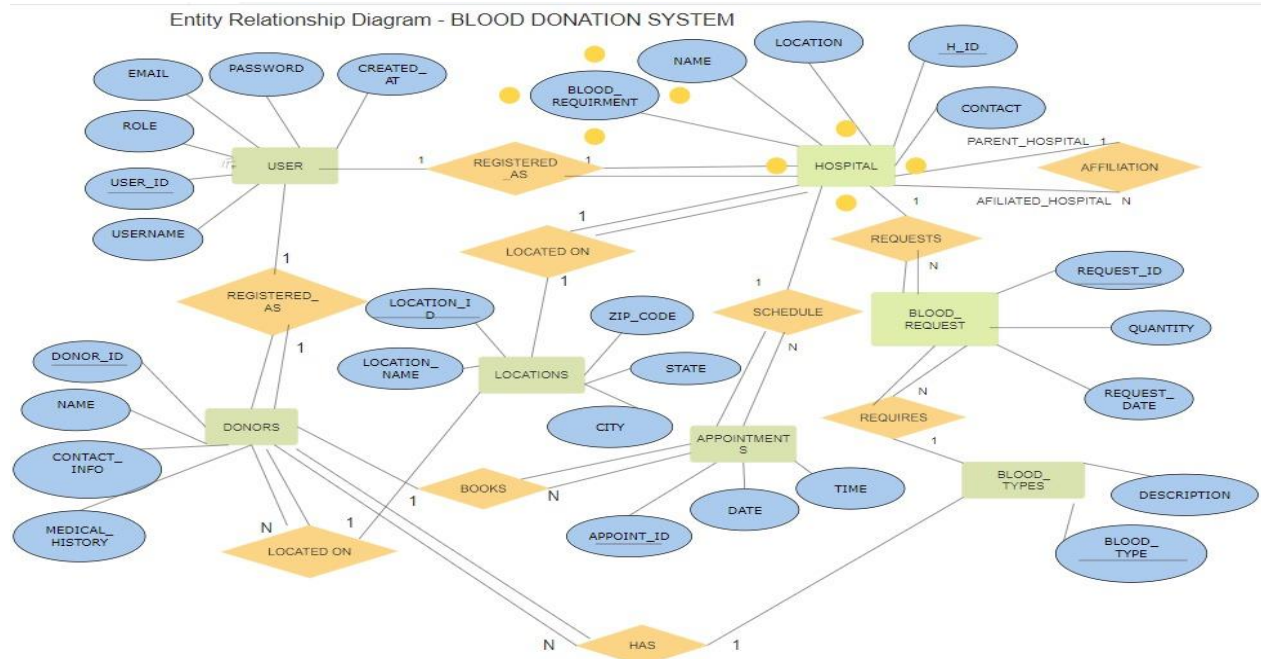


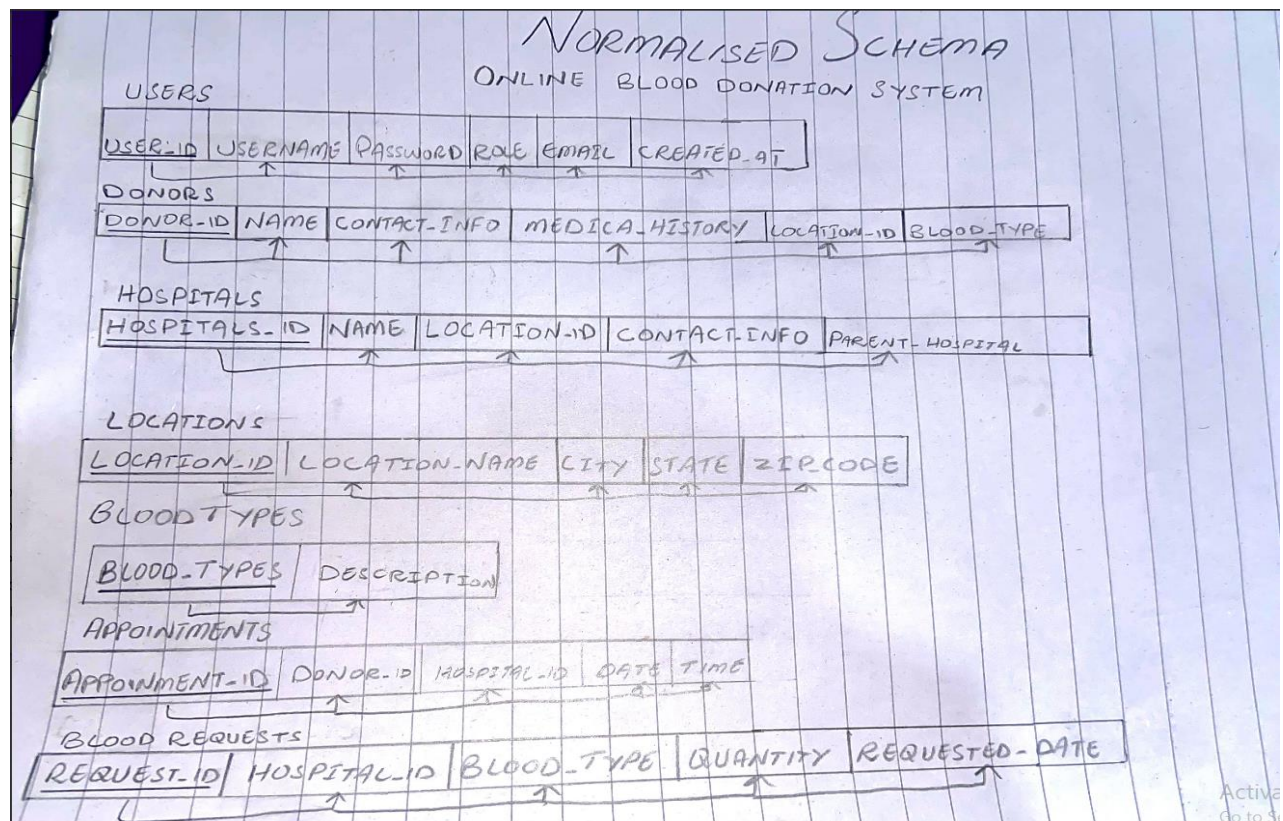
INTRODUCTION:

The Online Blood Donation Management System aims to connect blood donors with healthcare institutions in need. It will manage donor information, hospital details, blood type data, and appointment scheduling. The system includes a simple login and registration process for three types of users: admins, donors, and hospitals.

ERD:



NORMALISATION:



FEATURES:

1. User Management

- **Registration:**
 - Role-based registration: Donor, Hospital.
- **Login:**
 - Authenticate users with their username and password.

2. Donor Management:

- **Add/Update Donor Information:**
 - Admins can add new donors and donors can update their details (e.g., name, blood type, contact information, and location).
- **View Donor Profiles:**
 - Donors can view and update their own profiles.
 - Hospitals and Admins can view donor profiles based on permissions.
- **Search Donors:**
 - Search for donors based on criteria such as blood type or location.

3. Hospital Management

- **Add/Update Hospital Information:**
 - Admins can add new hospitals and hospitals can update their details (e.g., name, location, contact information).
- **View Hospital Profiles:**
 - Hospitals can view and update their own profiles.
 - Admins can view all hospital profiles.

4. Blood Type Management

- **Match Donors with Hospitals:**
 - System functionality to match donors with hospitals based on blood type compatibility.

5. Appointment Management

- **Schedule Appointments:**
 - Donors can schedule appointments with hospitals for blood donation.
 - Hospitals can view and manage appointment requests from donors.
- **Manage Appointments:**
 - Donors can view, confirm, or cancel their appointments.
 - Hospitals can confirm, reschedule, or cancel appointments.

6. Donor-Hospital Matchmaking

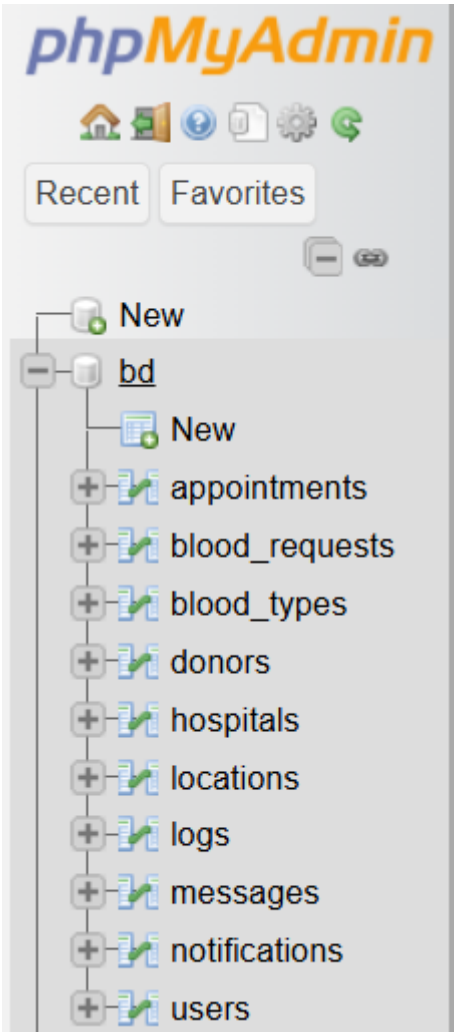
- **Blood Type Compatibility Matching:**
 - Match donors with hospitals that need specific blood types.

- **Location-based Matching:**
 - Match donors with hospitals based on their cities.

7. Admin Panel

- **User Management:**
 - Admins can manage user accounts, including creating or deactivating accounts.
- **Data Management:**
 - Admins can manage all core data entities (Donors, Hospitals, Appointments, Blood Requests).
- **Donor Support Service (Chat Functionality):**
 - Admins can answer the queries of the donors. Date and time of the messages are also maintained.


WORKING WEBSITE AND DATABASE:



The screenshot shows the phpMyAdmin interface. On the left, a tree view shows the database 'bd' with several tables: appointments, blood_requests, blood_types, donors, hospitals, locations, logs, messages, notifications, and users. The 'Triggers' tab is selected for the 'users' table. The main area displays a table of triggers:

Name	Table	Time	Event	
<input type="checkbox"/> after_user_login	users	AFTER	UPDATE	Edit Export Drop
<input type="checkbox"/> after_users_update	users	AFTER	UPDATE	Edit Export Drop

127.0.0.1:5000




BLOOD DONATION SYSTEM

Explore

Sign Up


Login

Admin



The Importance of Donating Blood


Blood donation is a noble act that can save lives. A single donation can save up to three lives.



EVERY BLOOD DONOR IS A HERO

How Donations Help Communities

Donating blood strengthens communities by building a culture of empathy and care.



Blood donation

World Blood Donor Day

Blood Drives: Making a Difference

Blood donation drives play a crucial role in saving lives by ensuring blood availability.

Activate Windows

Go to Settings to activate Windows.

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Home

Sign Up

Login

Admin

Registration successful! Please login.

REGISTER

Username

Password

Email

Role

Name

Blood Type

Contact Info

City

State

Zip Code

Register

Already have an account? [Login](#)

LOGIN

Username

amannn

Password

.....

Login

Don't have an account? [Sign Up](#)

[Go back](#)



WELCOME, AMAN ISRAR

Blood Type: B+ | City: Karachi


[View Profile](#)

[My Appointment History](#)

[Contact Admin](#)

Available Blood Requests

Blood Type	Quantity	Requested Date	Hospital Name	City	Appointment
B+	12	2024-12-05	DOW HOSPITAL	Karachi	Date: <input type="text" value="12/14/2024"/>
					Time: <input type="text" value="09:53 PM"/>
					Book Appointment



HOSPITAL DASHBOARD

DOW HOSPITAL - KARACHI

Search Donors

View Profile

Make a Blood Request

Blood Type:


A+

Quantity (in units):

Submit Request

Scheduled Appointments

Donor Name	Blood Type	Contact Info	Date	Time	Actions
Aman Israr	B+	0987654	2024-12-10	21:53:00	<div>Approve</div> <div>Reject</div>



HOSPITAL DASHBOARD

DOW HOSPITAL - KARACHI

Search Donors

View Profile

Scheduled Appointments

Donor Name	Blood Type	Contact Info	Date	Time	Actions
Muhammad Hamza	O+	1232	2024-12-25	11:20:00	<div>Approve</div> <div>Reject</div>

Existing Blood Requests

Request ID	Blood Type	Quantity	Request Date	Status	Actions
50	A+	12	2024-12-05	Fulfilled	N/A
55	B+	12	2024-12-05	Fulfilled	N/A
56	A+	12	2024-12-05	Fulfilled	N/A
58	B+	45	2024-12-06	Open	<div>Delete</div>
59	O+	12	2024-12-06	Open	<div>Delete</div>
60	A+	12	2024-12-06	Fulfilled	N/A
61	A+	12	2024-12-06	Fulfilled	N/A

Logout

Activate Windows


Go to Settings to activate Windows.

©Online Blood Donation System

20°C

9:52 PM

12/8/2024



HOSPITAL DASHBOARD

DOW HOSPITAL - KARACHI

Search Donors

View Profile

Hospital Profile

Name	DOW HOSPITAL
City	Karachi
Email	dow@ojha.com
State	Sindh

Edit Profile

Back

©Online Blood Donation System

127.0.0.1:5000/search

Search Donors

Go Back

Search By:

Blood Type


O+

Search

Search Results:

Donor ID	Username	Name	Blood Type	City	Contact Info
5	hamza	Muhammad Hamza	O+	karachi	1232
25	taha123	Taha Imtiaz	O+	karachi	0303033
26	rafay	Abdul Rafay	O+	karachi	1231312
27	fatima	Fatima Gado	O+	karachi	123123
21	ronaldo	C. Ronaldo	O+	Mexico	0213232232

Activate Windows
Go to Settings to activate Windows.

WELCOME, AMAN ISRAR

Blood Type: B+ | City: Karachi

View Profile

My Appointment History

Contact Admin

Notifications

2024-12-08 21:52:15: Your appointment with hospital DOW HOSPITAL has been confirmed, You can visit the Hospital.

Quick Tips for Donors

Stay hydrated before and after your donation.

Have a light, iron-rich snack an hour before donating.

Avoid caffeine and alcohol before donation.

Rest for a few minutes post-donation to ensure you're feeling well.

Logout

© 2024 Online Blood Donation System

Activate Windows
Go to Settings to activate Windows.

127.0.0.1:5000/donor_profile?contact_admin=true

WELCOME, AMAN ISRAR

Blood Type: B+ | City: Karachi

View Profile

My Appointment History

Contact Admin

Chat with Admin

You:
hi, I have a query to discuss.
2024-12-08 21:57:37

Admin:
Thank You for contacting. How may I help you?
2024-12-08 21:59:34

Type your message...

Send Message

127.0.0.1:5000/donor_profile/view_appointments=true

WELCOME, AMAN ISRAR

Blood Type: B+ | City: Karachi

View Profile

My Appointment History

Contact Admin

My Appointment History

Appointment ID	Hospital Name	Blood Type	Date	Time	Status
57	DOW HOSPITAL	B+	2024-12-10	21:53:00	Confirmed

Notifications

2024-12-08 21:52:15: Your appointment with hospital DOW HOSPITAL has been confirmed, You can visit the Hospital.

127.0.0.1:5000/admin_dashboard?view=users

ADMIN DASHBOARD

+ADD USER

VIEW USERS

SEARCH

BLOOD REQUESTS

APPOINTMENTS

CHAT

Active Users

Inactive Users

Active Users

User ID	Username	Role	Name	Blood Type	Action
2	wasey	Donor	A WaseyyY	A+	Deactivate
4	salik	Donor	Salik Ahmed	A+	Deactivate
5	hamza	Donor	Muhammad Hamza	O+	Deactivate
6	omer	Donor	Omer Khan	B+	Deactivate
7	mani	Donor	Muhib	A+	Deactivate
9	taha	Donor	Travis SHARIF	B+	Deactivate
10	dow	Hospital	DOW HOSPITAL	N/A	Deactivate
13	jinnah	Hospital	Jinnah	N/A	Deactivate
14	sabeer	Donor	Sabeer	A+	Deactivate
17	td	Donor	Talha Duration	A+	Deactivate
18	nehal	Hospital	NEHALS	N/A	Deactivate

Activate Windows
Go to Settings to activate Windows.

User deactivated successfully!,kindly refresh

ADMIN DASHBOARD

+ADD USER

VIEW USERS

SEARCH

BLOOD REQUESTS

APPOINTMENTS

CHAT

Active Users

Inactive Users

Inactive Users

User ID	Username	Role	Name	Blood Type	Action
4	salik	Donor	Salik Ahmed	A+	<button>Activate</button>
6	omer	Donor	Omer Khan	B+	<button>Activate</button>

Logout

© 2024 Online Blood Donation System

Activate Windows
Go to Settings to activate Windows.

ADMIN DASHBOARD

+ADD USER

VIEW USERS

SEARCH

BLOOD REQUESTS

APPOINTMENTS


CHAT

All Blood Requests

Request ID	Hospital ID	Blood Type	Quantity	Requested Date	Status	Action
50	1	A+	12	2024-12-05	Fulfilled	<button>Delete</button>
51	6	O+	12	2024-12-05	Fulfilled	<button>Delete</button>
52	6	A+	23	2024-12-05	Open	<button>Delete</button>
53	6	B-	34	2024-12-05	Open	<button>Delete</button>
54	6	O+	23	2024-12-05	Open	<button>Delete</button>
55	1	B+	12	2024-12-05	Fulfilled	<button>Delete</button>
56	1	A+	12	2024-12-05	Fulfilled	<button>Delete</button>
58	1	B+	45	2024-12-06	Open	<button>Delete</button>
59	1	O+	12	2024-12-06	Open	<button>Delete</button>
60	1	A+	12	2024-12-06	Fulfilled	<button>Delete</button>
61	1	A+	12	2024-12-06	Fulfilled	<button>Delete</button>

Logout

Activate Windows
Go to Settings to activate Windows.




ADMIN DASHBOARD

+ADD USERVIEW USERSSEARCHBLOOD REQUESTSAPPOINTMENTSCHAT

All Appointments

Appointment ID	Donor ID	Hospital ID	Date	Time	Status	Action
46	20	1	2024-12-23	15:59:00	Cancelled	Delete
47	20	1	2024-12-16	3:00:00	Confirmed	Delete
48	2	1	2024-12-12	5:57:00	Cancelled	Delete
49	2	1	2024-12-25	1:00:00	Confirmed	Delete
50	21	6	2024-12-10	1:00:00	Confirmed	Delete
51	21	6	2024-12-16	1:01:00	Cancelled	Delete
52	23	1	2024-12-08	16:55:00	Cancelled	Delete
53	2	1	2024-12-09	10:41:00	Confirmed	Delete
54	5	1	2024-12-25	11:20:00	Pending	Delete
55	25	1	2024-12-09	1:02:00	Confirmed	Delete
56	27	1	2024-12-08	0:38:00	Confirmed	Delete
57	31	1	2024-12-10	21:53:00	Confirmed	Delete

Activate Windows
Go to Settings to activate Windows.



ADMIN DASHBOARD

+ADD USERVIEW USERSSEARCHBLOOD REQUESTSAPPOINTMENTSCHAT

Logout

Donor Messages

Select Donor: Select a donor

Select a donor

A WaseyyY ()

Salik Ahmed ()

Muhib ()

Travis SHARIF ()

Usman khan M ()

C. Ronaldo ()

Shahzaib ()

Taha Imtiaz ()

Fatima Gado ()


Aman Israr ()

View Chat

Activate Windows
Go to Settings to activate Windows.

127.0.0.1:5000/admin_dashboard/view=donor_chats&donor_id=31

A



ADMIN DASHBOARD

+ADD USER

VIEW USERS

SEARCH

BLOOD REQUESTS

APPOINTMENTS

CHAT

Donor Messages

Select Donor:

Select a donor

View Chat

Donor:
hi, I have a query to discuss.
2024-12-08 21:57:37

Admin:
Thank You for contacting. How may I help you?
2024-12-08 21:59:34

Reply to donor...

Send Reply

Logout

Activate Windows

Go to Settings to activate Windows.