Blood Donation Management System using PHP 8+

You are required to build a web application to manage blood donor information using PHP 8+. The application should have the following features:

User authentication and authorization with role-based access control (Admin and User).

Admin panel to manage blood donors, where the admin can:

Add, edit, and delete blood donors

View a list of all blood donors with the following information:

Name

Email

Blood Group

Contact Number

Last Donation Date

User panel to view their own donor information.

Form validation using PHP 8+ validation and sanitization functions.

Store and retrieve data using a MySQL database and PHP 8 PDO.

Proper error handling and user feedback.

The application should be developed using PHP 8 and should follow best practices for developing scalable and maintainable applications. The application should have a clean and user-friendly interface.

Requirements

PHP 8+

MySQL database

PDO for data storage and retrieval

Bootstrap for styling

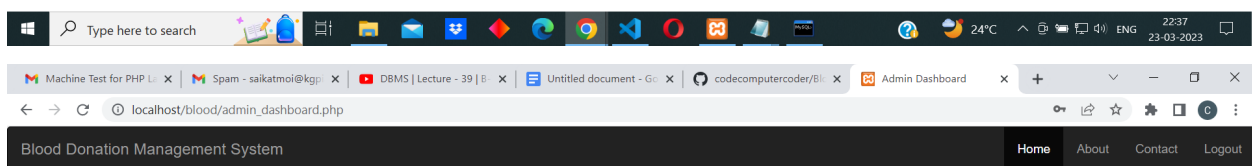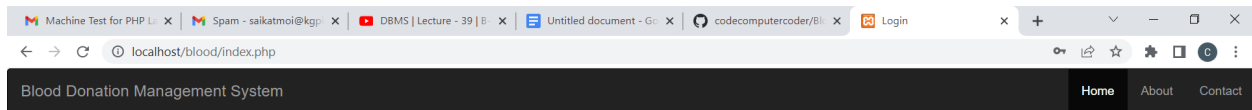Form validation using PHP 8+ validation and sanitization functions

Proper error handling and user feedback

Proper documentation of the code

MySQL Part -

see **database.sql**

- **When a New Donor is added his default username is his email address and password is his name .**
- **The default admin has username 'admin' and password 'admin_password'.**
- **When a new donor comes to donate blood his name is added and also the donation date set automatically to that day.**

localhost/blood/index.php

Blood Donation Management System

Home   About   Contact

Login Portal

Username:

admin

Password:

••••••••••••

User Type:

Admin

Login

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localhost/blood/admin_dashboard.php

Blood Donation Management System

Home   About   Contact   Logout

Welcome, admin

Manage Donors

Add Donor
Show/Edit Donors

Home   About   Contact   Logout

All donors

Back to Dashboard

Name	Email	Phone	Blood Group	Last Blood Donation Date	Actions
saikat	test@gmaol.com	89269462	B	2023-03-25	Edit Delete

Blood Donation Management System

Home | About | Contact

Login Portal

Username:

test@gmaol.com

Password:

••••••

User Type:

Donor

[Login]

Blood Donation Management System

Home | About | Contact | Logout

Welcome, saikat

Your Information:

Name:	saikat
Email:	test@gmaol.com
Blood Group:	B
Contact Number:	89269462
Last Donation Date:	2023-03-25

Your Donation Dates:

- 2023-03-23
- 2023-03-25