

User Manual

Blood Bank Management System

(Version 1.0)

Group : 14

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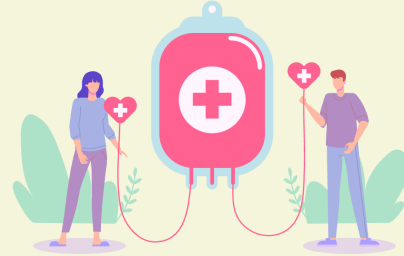
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Registration and Login

Blood Bank Management System

This system is designed to efficiently manage blood donations, donors, and recipients, ensuring the availability of safe and life-saving blood for those in need.

Join us in the mission to save lives. Register as a donor or recipient and help make a difference!



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The Blood Bank Management System (**BBMS**) Home Page is the main entry point for users, featuring a clean interface with key functions. The navigation menu offers two essential options: [Register](#) and [Login](#). These options allow users to create new accounts or access existing ones.

Registration

To get started with the BBMS, users need to create an account according to their role(patient/donor). Follow these steps to register:

- Navigate to the registration page.
- Fill in the required details such as name, email, username, and blood type.
- Choose a secure password.
- Submit the registration form.

Upon successful registration, users will be redirected to their respective dashboard page.

Note: Currently, registration as an admin is not allowed for security purposes.

BBMS

As Patient

As Donor

Patient Register

Name

Email

Username

Password

Select your blood group

Register

Already have an account? [Login here](#)

Login

BBMS

As Patient As Donor As Admin

Patient Login

Username

Password

Login

Dont have an account? [Register here](#)

Already registered users can log in using their credentials:

- Go to the login page.
- Enter the registered username and password.
- Click the login button.

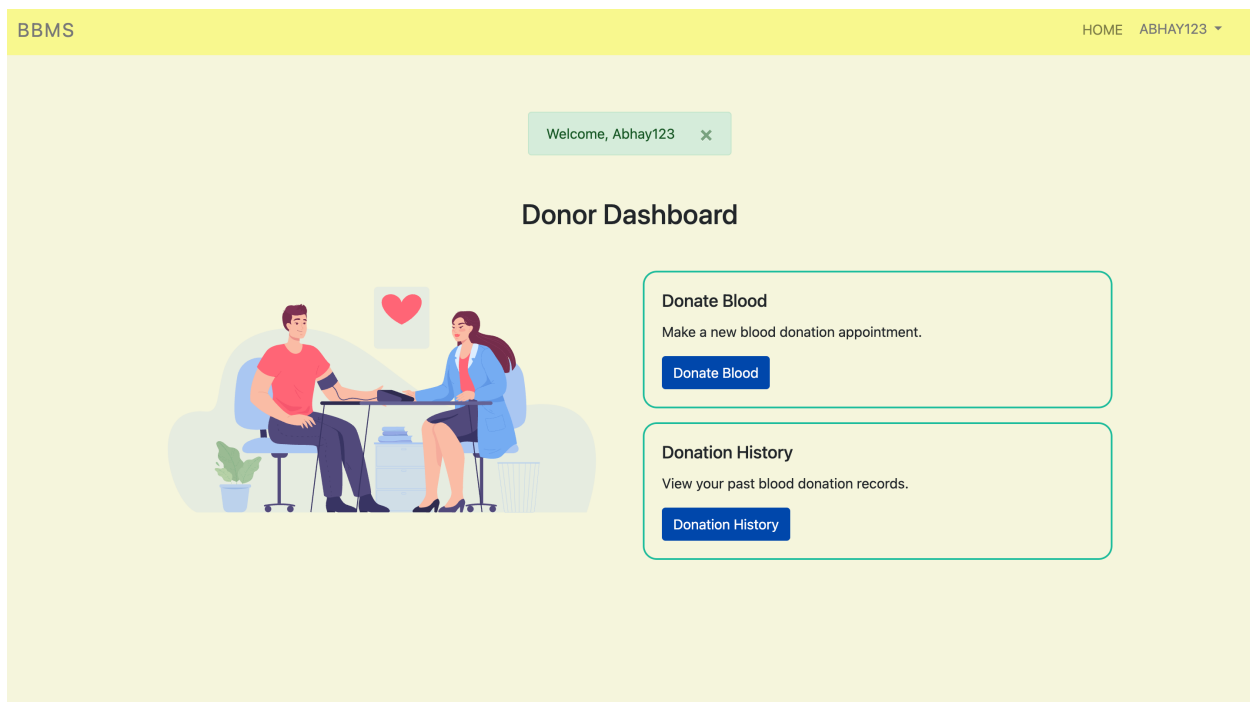
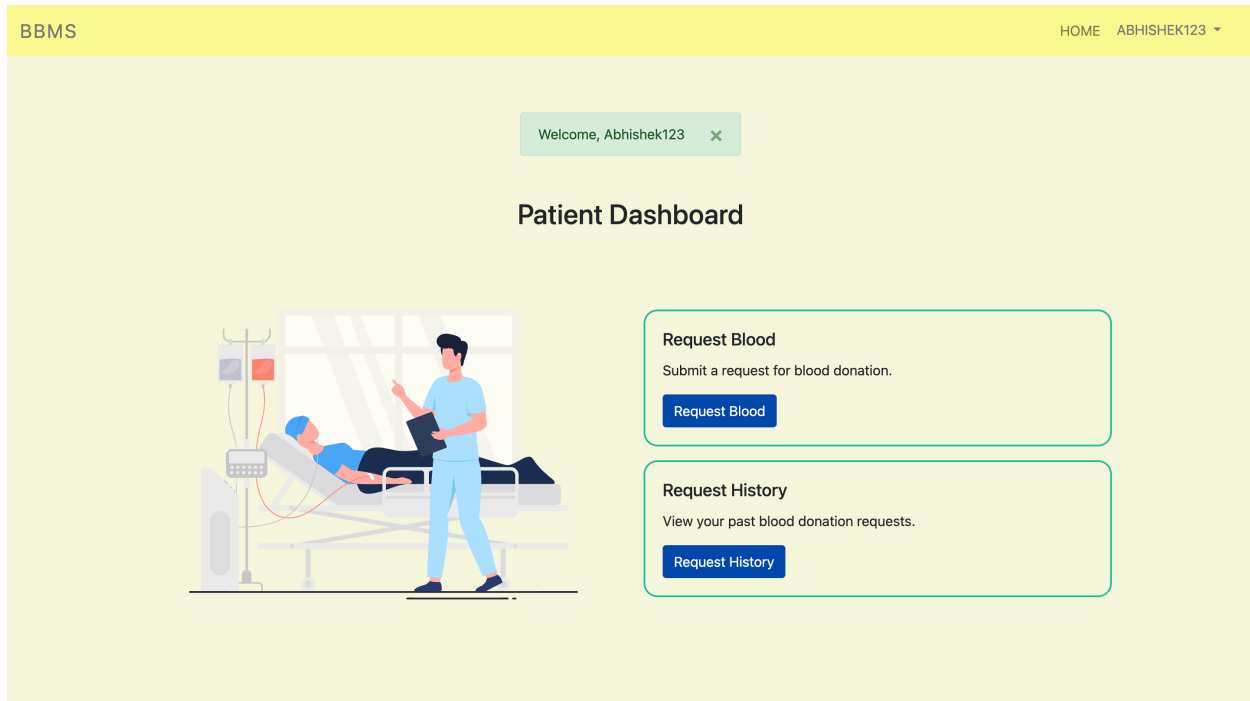
If there are any errors during login/register form validation, relevant **error messages** will be displayed to guide the user.

Access to the user-specific dashboard will be granted upon successful login.

DashBoard Page for users

Overview

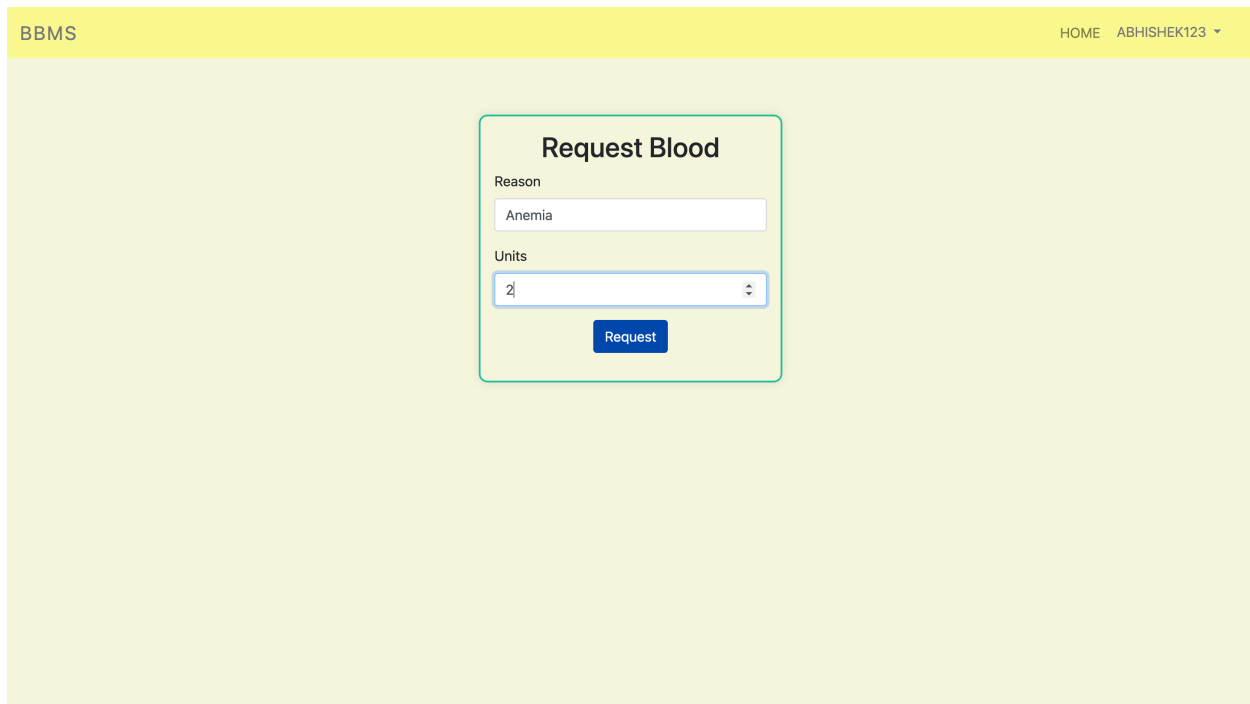
Upon successful login, users are directed to their personalized Dashboard, tailored to their specific roles as either patients or donors. The dashboard provides a streamlined and user-friendly interface with distinct features based on their roles.



Request Blood [For Patients]

Patients can submit requests for blood, specifying their blood type and urgency.

Submitted requests are directed to the Admin Dashboard, allowing administrators to assess the urgency and blood type against the current blood stock.



The screenshot shows a web application interface for a Blood Bank Management System (BBMS). At the top, there is a yellow header bar with the text 'BBMS' on the left and 'HOME ABHISHEK123' with a dropdown arrow on the right. The main content area has a light yellow background. In the center, there is a white rounded rectangle with a green border titled 'Request Blood'. Inside this rectangle, there are two input fields: 'Reason' with the text 'Anemia' and 'Units' with the number '2'. Below these fields is a blue button labeled 'Request'.

Donate Blood [For Donors]

Donors can easily schedule blood donation appointments and provide their health information. The system automatically forwards these details to the Admin Dashboard. Administrators then review and either approve or reject the donation request based on health criteria.

Donate Blood

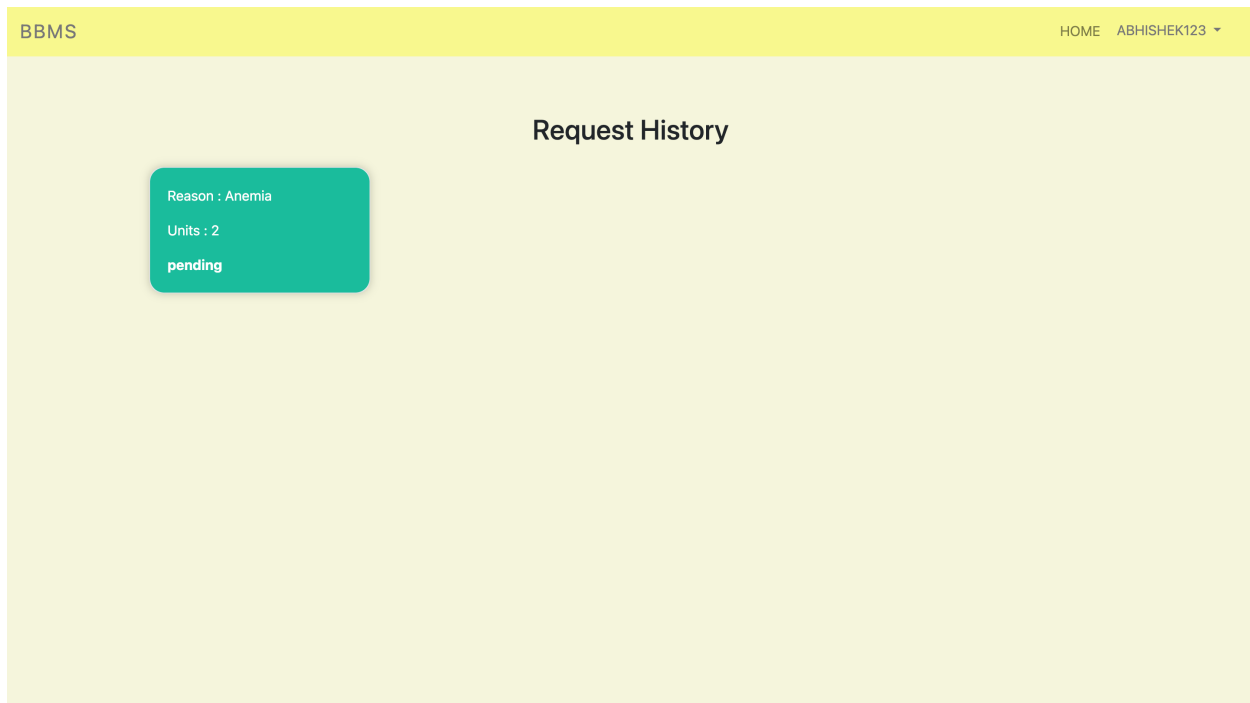
Disease

Units

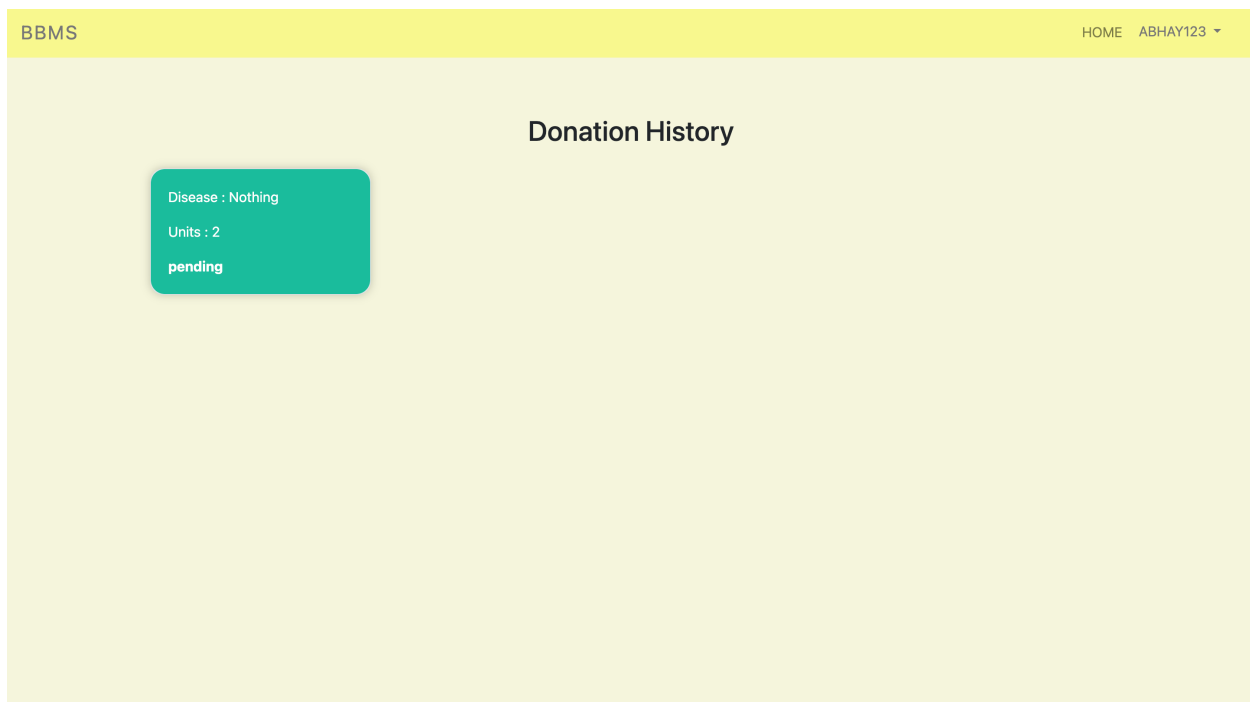
Request and Donation History

Users can access a consolidated history of their blood-related activities.

For patients, this includes reviewing past blood requests with status and details.



Donors can track their donation history, viewing the status and details of each contribution.



The user-centric dashboard is designed to cater to the specific needs and actions associated with each role, providing a seamless and intuitive experience.

DashBoard Page for Admins

The Admin Dashboard serves as a control center for efficient blood management.

Blood Stock

Admins can monitor the quantity of each blood type available, enabling proactive stock management. Easily update and manage blood stock to meet demand.

The screenshot displays the BBMS Admin Dashboard. At the top, a yellow navigation bar contains the following links: STOCK, DONORS, PATIENTS, DONATIONS, REQUESTS, DONATIONS HISTORY, REQUESTS HISTORY, and a user profile dropdown for ABHISHEK0628. Below the navigation bar, a light green welcome message reads "Welcome, Abhishek0628" with a close icon. The main content area features a grid of eight blood type cards, each with a red blood drop icon, the blood type label, and its current stock quantity:

Blood Type	Quantity
A+	0
A-	0
B+	3
B-	5
AB+	6
AB-	2
O+	10
O-	4

Below the grid is an "Update Blood" section with a form containing a "Select blood group" dropdown menu, a "Quantity" input field, and an "Update" button.

User Management

Review the list of registered blood donors and patients. View patient information as well as donor profiles.

BBMS

STOCKDONORSPATIENTSDONATIONSREQUESTSDONATIONS HISTORYREQUESTS HISTORYABHISHEK0628

Abhay123

Id : 1

Name : ABHAY KUMAR
BHARTI

Email : abhay123@gmail.com

Blood Group : B+

Adarsh0107

Id : 2

Name : Adarsh Kharwar

Email : adarsh@gmail.com

Blood Group : O+

BBMS

STOCKDONORSPATIENTSDONATIONSREQUESTSDONATIONS HISTORYREQUESTS HISTORYABHISHEK0628

Abhishek123

Id : 1

Name : ABHISHEK KUMAR

Email :
abhidksh3796@gmail.com

Blood Group : A+

Blood Requests

View all pending blood requests. Access specifics of each request, aiding in

efficient approval or rejection.

BBMS

STOCKDONORSPATIENTSDONATIONSREQUESTSDONATIONS HISTORYREQUESTS HISTORYABHISHEK0628

Abhishek123

Reason : Anemia

Blood Group : A+

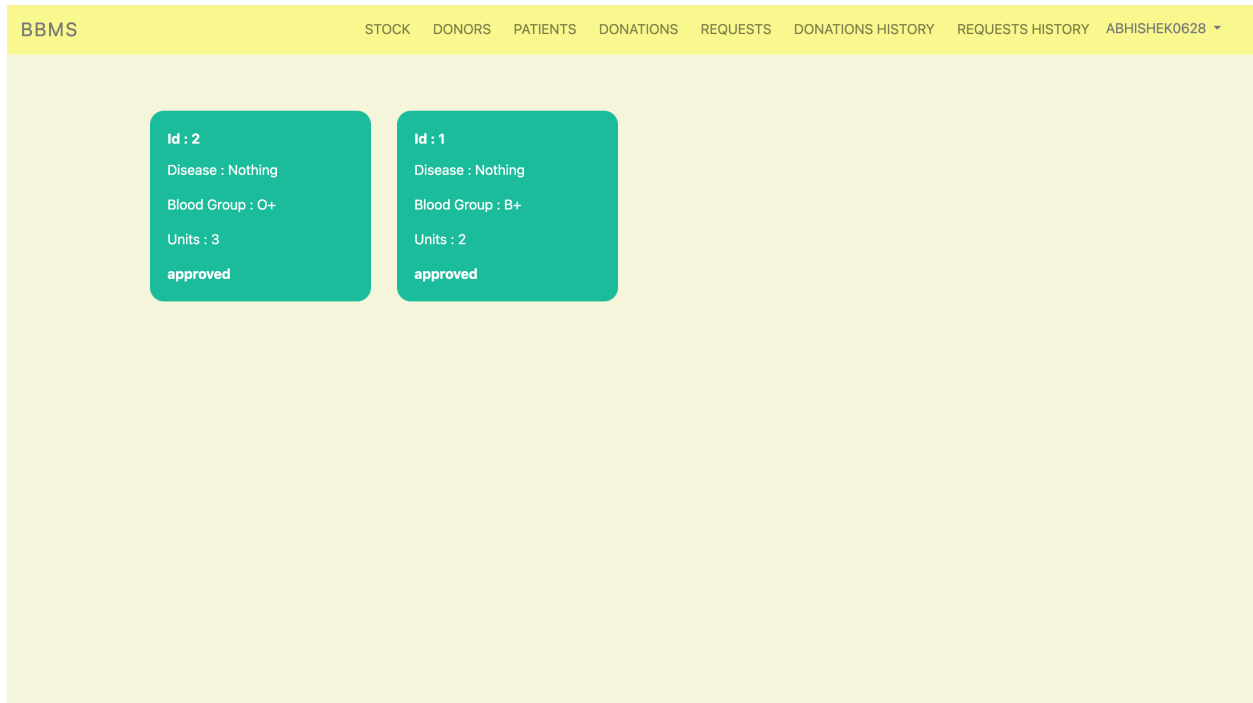
Units : 2

✓

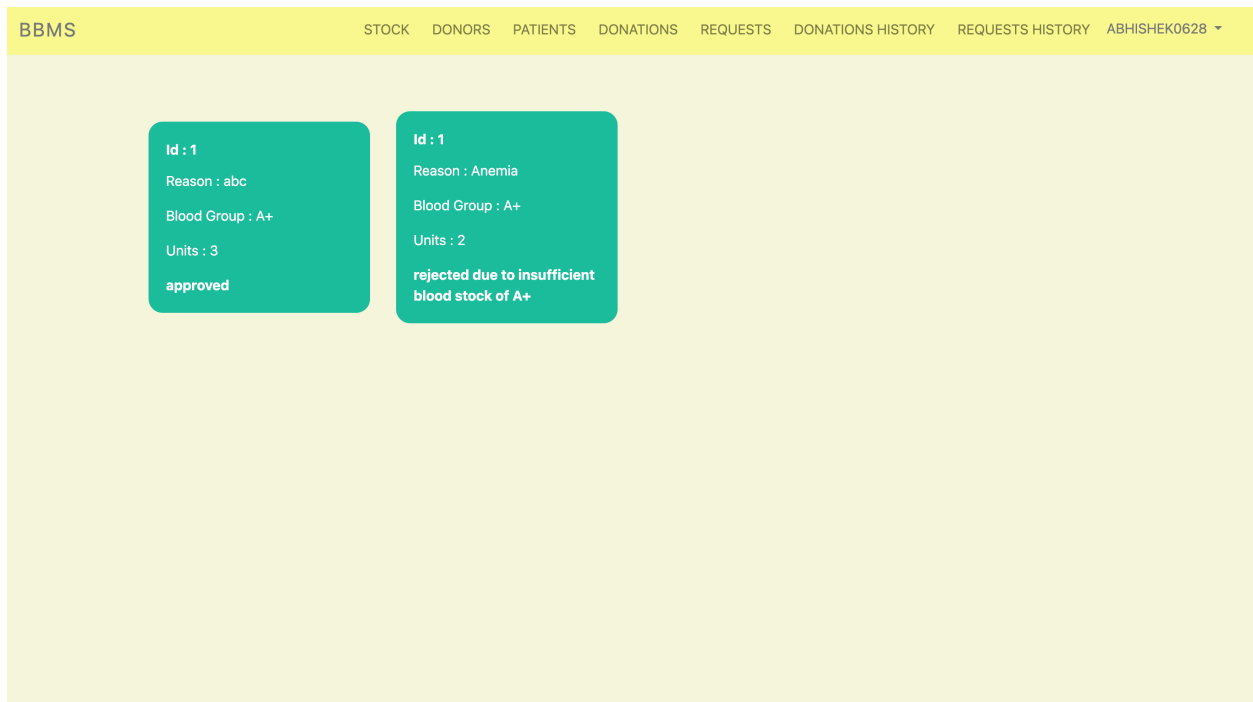
✕

Donation and Request History

Admins can track the history of all blood donations, including the status and details of each donation.



Admins can review the history of all previous blood requests, including the status and details of each request.



This comprehensive overview gives administrators precise control over all blood management processes, ensuring an efficient and responsive system.

Profile

View and update your personal profile information to maintain accurate and current details for seamless communication.

BBMS

HOME ABHISHEK123 ▾

Profile

Id

1

Role

Patient

Name

ABHISHEK KUMAR

Email

abhidksh3796@gmail.com

Username

Abhishek123

Blood Group

A+

Update

Delete

BBMS

HOME ABHISHEK123 ▾

Profile

Id

1

Role

Patient

Name

ABHISHEK KUMAR

Email

abhijnv124@gmail.com

Username

Abhishek123

Blood Group

A+

Update

Delete

BBMS

STOCK DONORS PATIENTS DONATIONS REQUESTS DONATIONS HISTORY REQUESTS HISTORY ABHISHEK0628 ▾

Profile

Id

1

Role

Admin

Name

Abhishek Kumar

Email

abhi124@gmail.com

Username

Abhishek0628

Update

Delete

LogOut

To log out from BBMS, click the Logout button in the top-right corner. This will securely end your session and return you to the BBMS home page.

