

User Manual for Blood Bank Management System

(Version:1.0)

Group : 34

Vedurupaka Venkata Sai	B210437CS	vedurupaka_b210437cs@nitc.ac.in
Nimmalapudi Leela Krishna	B210569CS	nimmalapudi_b210569cs@nitc.ac.in
K Lokesh Gupta	B210539CS	kusumanchi_b210539cs@nitc.ac.in
Utkarsh Kumar	B210559CS	utkarsh_b210559cs@nitc.ac.in

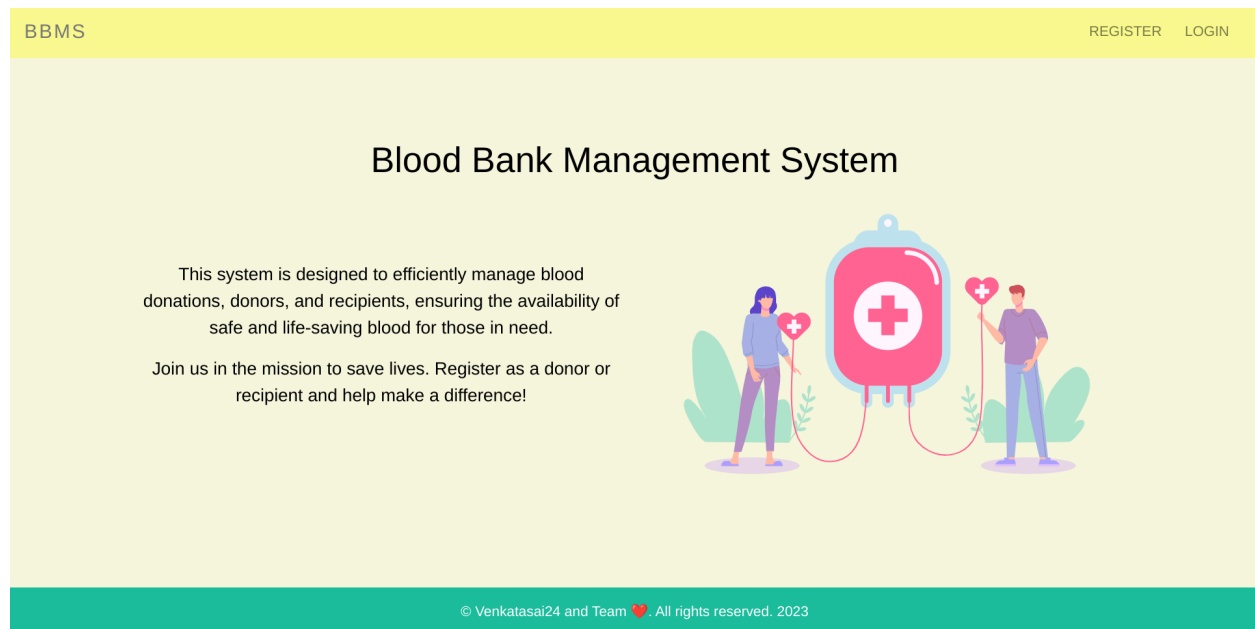
Instructor : Dr. K. A. Abdul Nazeer

Course : Database Management Systems

Date : 01-12-2023

Table Of Contents

Registration and Login	1
Registration	1
Login	2
DashBoard Page for users	3
Overview	3
Request Blood [For Patients]	4
Donate Blood [For Donors]	5
Request and Donation History	5
DashBoard Page for Admins	7
Blood Stock	7
User Management	7
Blood Requests	8
Donate Requests	9
Donation and Request History	10
Profile	12
LogOut	13



The Blood Bank Management System (**BBMS**) Home Page serves as the initial gateway for users, presenting a welcoming interface with essential features. The navigation menu prominently displays two crucial options: [Register](#) and [Login](#). These guide users to either initiate the registration process or access their existing accounts.

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

Donor Register

Name _____

Email _____

Username _____

Password _____

Select your blood group ▾

Register

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

Login

BBMS

As Patient As Donor As Admin

Admin Login

Username _____

Password _____

Login

Already registered users can log in using their credentials:

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

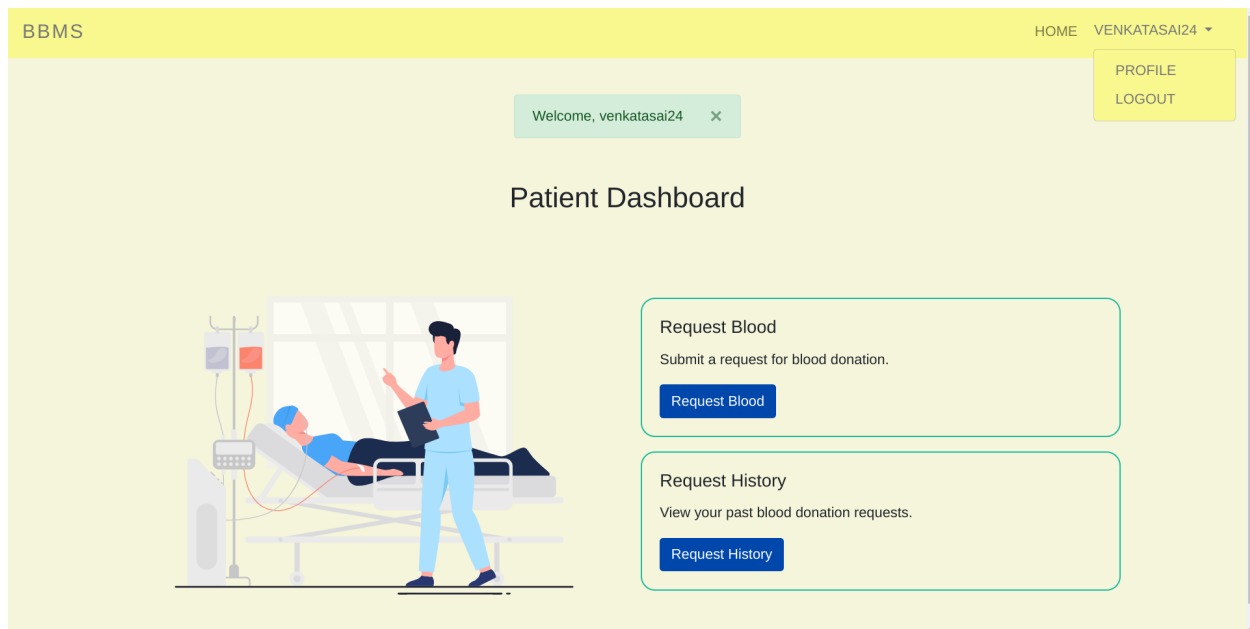
If there are any errors during login/register form validation, relevant **error messages** will be displayed to guide the user.

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.




BBMS

HOME VENKATASAI24 ▾

Welcome, venkatasai24 ✕

PROFILE
LOGOUT

Donor Dashboard



Donate Blood

Make a new blood donation appointment.

Donate Blood

Donation History

View your past blood donation records.

Donation History

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.

BBMS

HOME VENKATASAI24 ▾

Request Blood

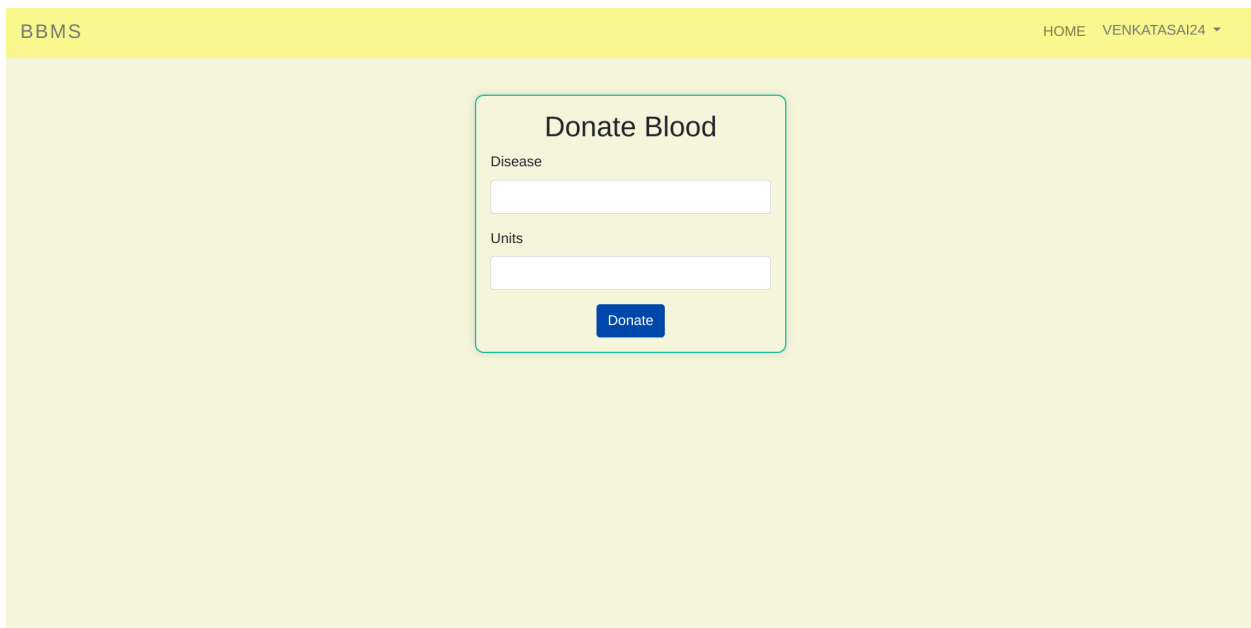
Reason

Units

Request

Donate Blood [For Donors]

Donors can easily schedule blood [donation](#) appointments, providing essential health information. The system forwards this data to the Admin Dashboard for review. Admins assess the details, approving or rejecting based on health considerations.

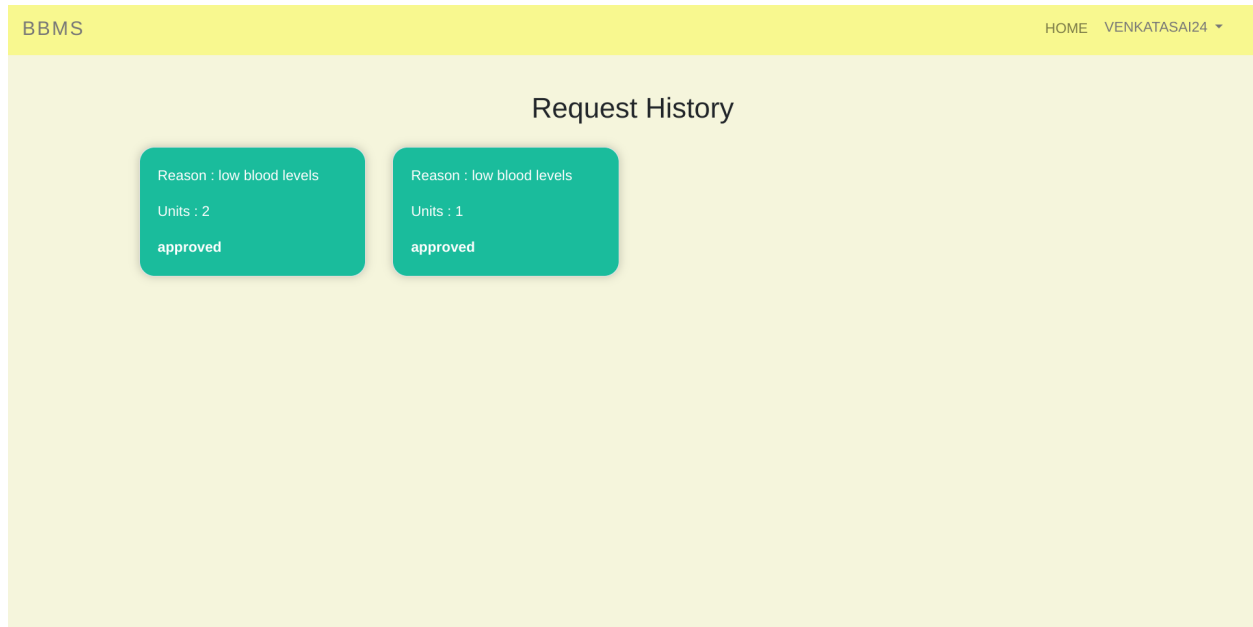


The screenshot shows a web application interface for blood donation. At the top, a yellow header bar contains the text 'BBMS' on the left and 'HOME VENKATASAI24' with a dropdown arrow on the right. The main content area has a light yellow background. In the center, there is a white rounded rectangle with a thin green border. Inside this rectangle, the title 'Donate Blood' is centered at the top. Below the title, there are two input fields: the first is labeled 'Disease' and the second is labeled 'Units'. Both fields are empty. Below the 'Units' field, there is a blue button with the text 'Donate' in white.

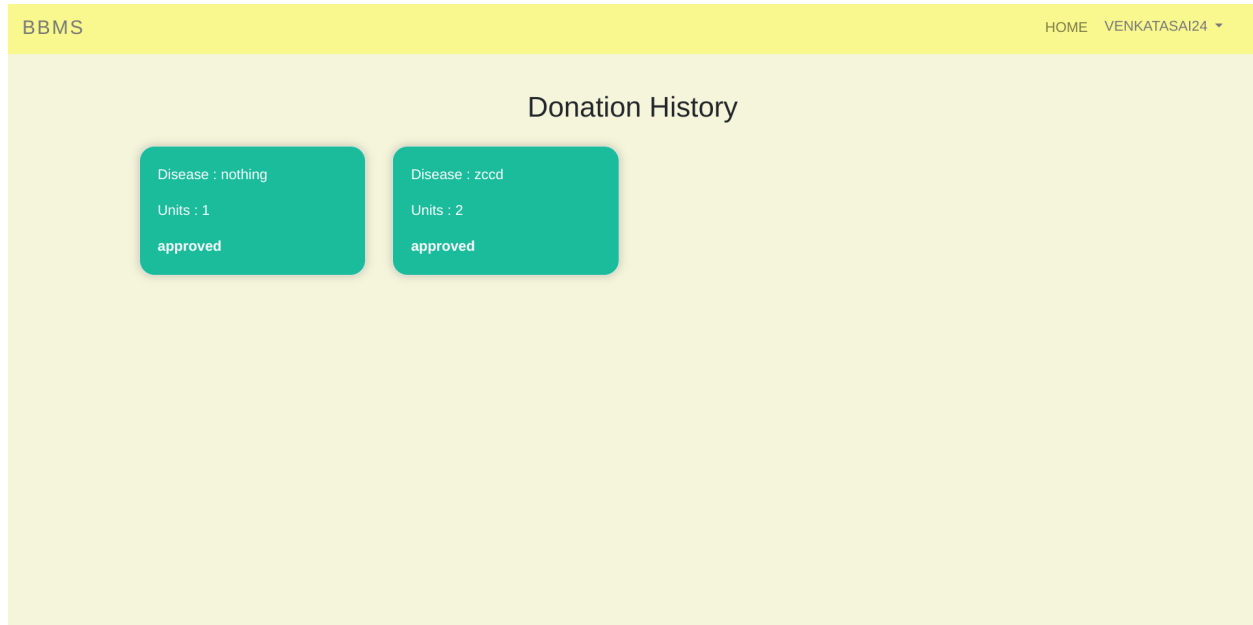
Request and Donation History

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. The top navigation bar includes links for STOCK, DONORS, PATIENTS, DONATIONS, REQUESTS, DONATIONS HISTORY, REQUESTS HISTORY, and a user profile dropdown for LEELA KRISHNA. A welcome message 'Welcome, Leela Krishna' is shown in a green box. The main content area features a grid of blood stock levels for eight blood types, each represented by a red blood drop icon. Below this is an 'Update Blood' section with a dropdown menu for 'Select blood group', a text input for 'Quantity', and an 'Update' button.

Blood Type	Quantity
A+	0
A-	0
B+	0
B-	10
AB+	6
AB-	2
O+	7
O-	4

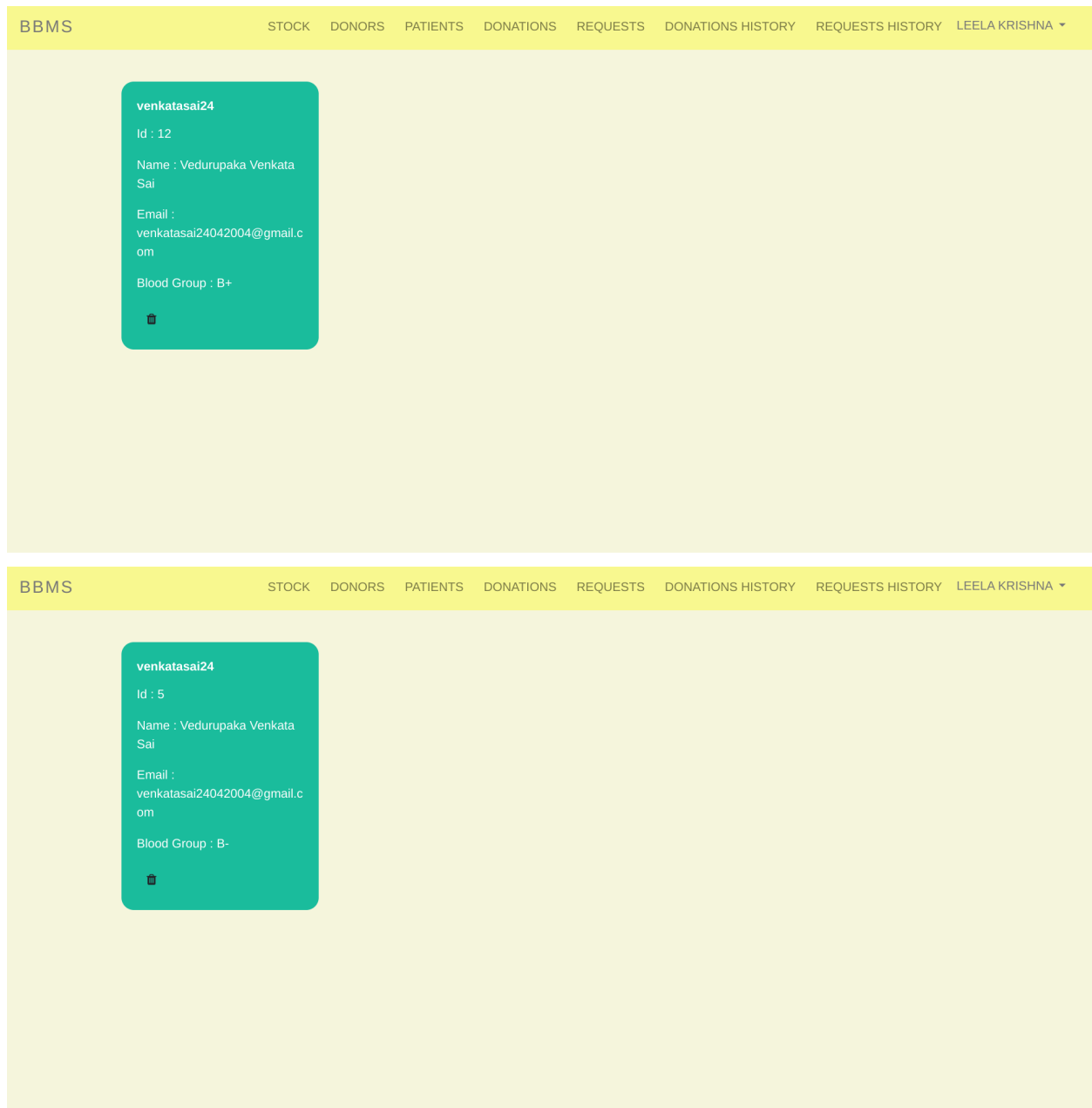
Update Blood

Select blood group

Quantity

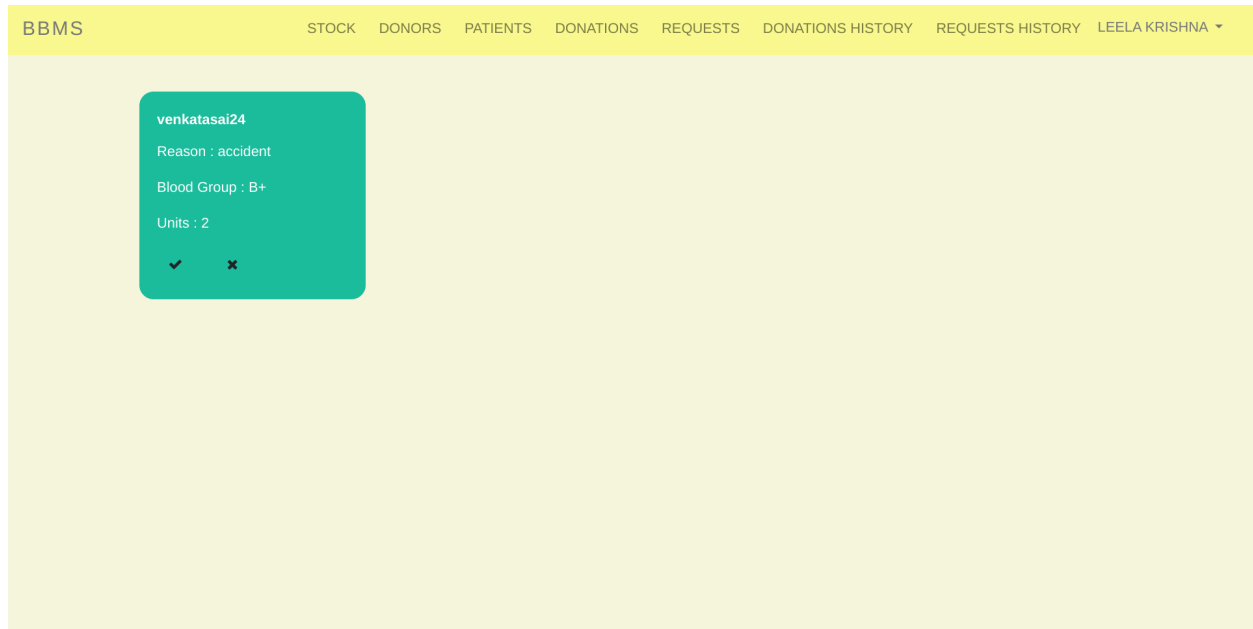
User Management

Review the list of registered blood [donors](#) and [patients](#). View patient information as well as donor profiles.



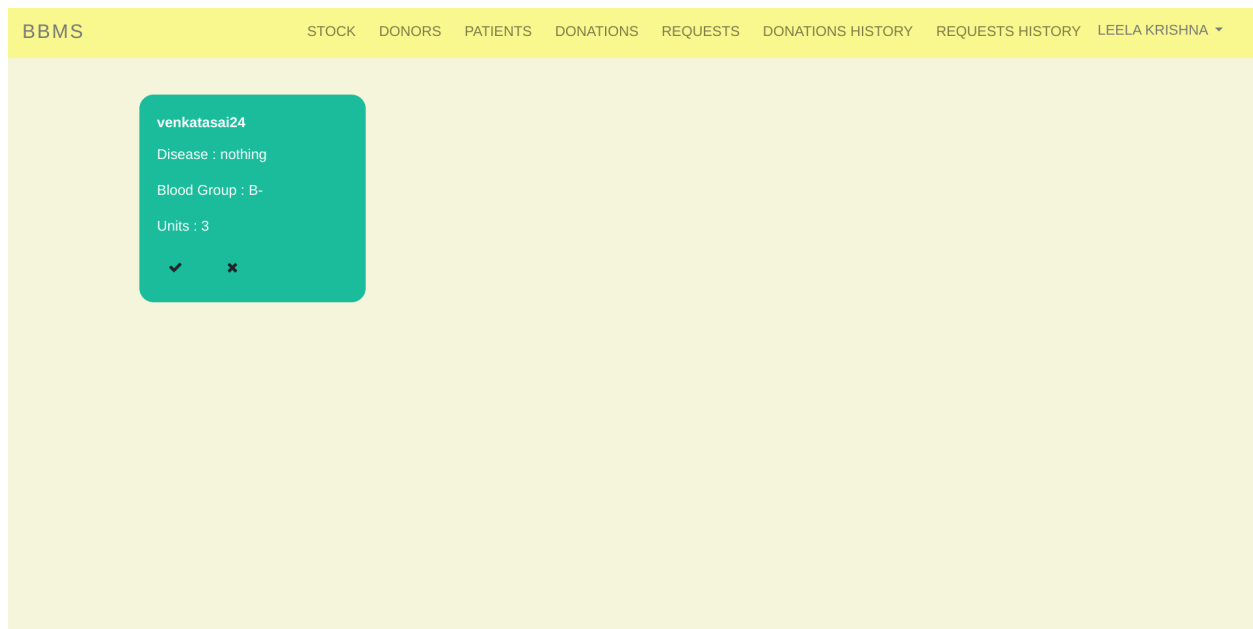
Blood Requests

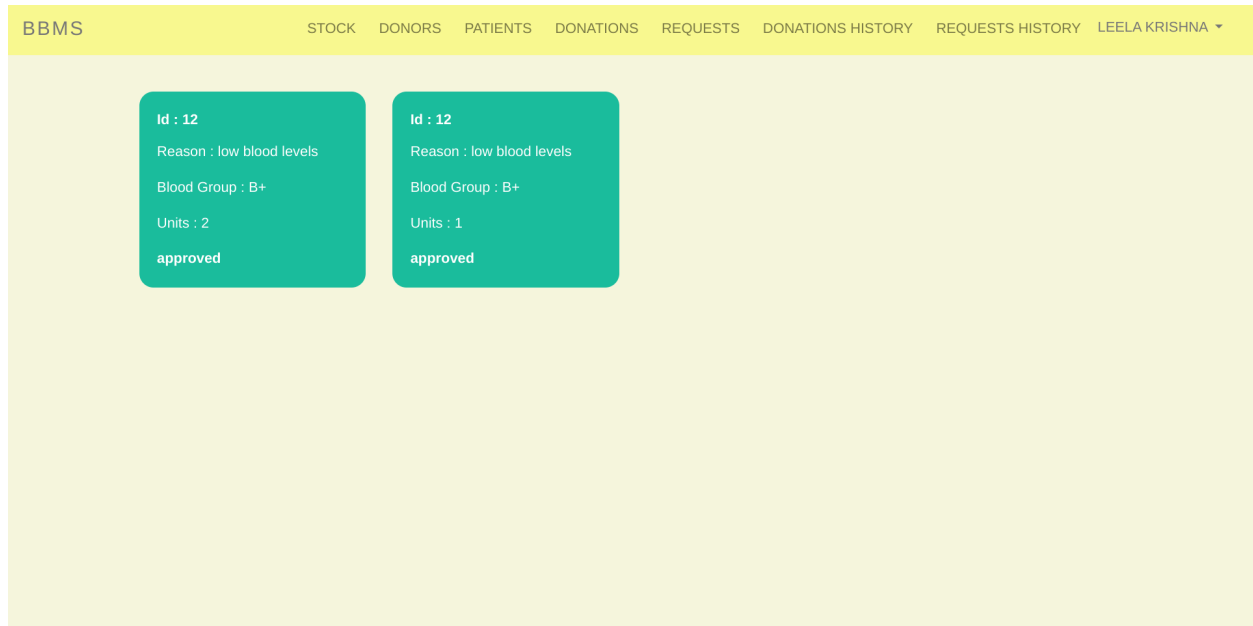
View all pending [blood requests](#). Access specifics of each request, aiding in efficient approval or rejection.



Donate Requests

Admins can click on [donation requests](#) to access specific details of each request. Specifics include information about the donor, blood type, quantity, and any additional notes provided by the donor.





This detailed breakdown empowers admins with granular control over blood-related processes, fostering an organized and responsive system.

Profile

Access and manage [personal profile](#) information, ensuring accurate and up-to-date details for efficient communication.

BBMS

HOME VENKATASAI24 ▾

Profile

Id

5

Role

Donor

Name

Vedurupaka Venkata Sai

Email

venkatasai24042004@gmail.com

Username

venkatasai24

Blood Group

B-

Update

Delete

BBMS

HOME VENKATASAI24 ▾

Profile

Id

12

Role

Patient

Name

Vedurupaka Venkata Sai

Email

venkatasai24042004@gmail.com

Username

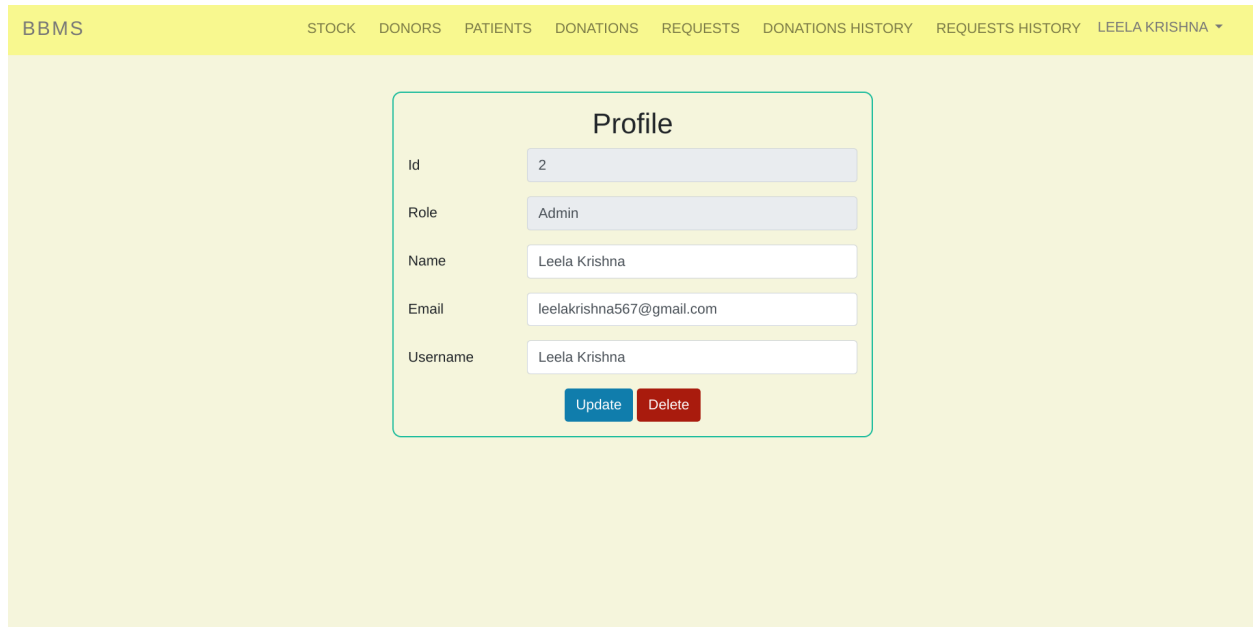
venkatasai24

Blood Group

B+

Update

Delete



The screenshot shows the BBMS (Blood Bank Management System) interface. The top navigation bar is yellow and contains the following links: STOCK, DONORS, PATIENTS, DONATIONS, REQUESTS, DONATIONS HISTORY, REQUESTS HISTORY, and a user profile dropdown for LEELA KRISHNA. The main content area has a light yellow background. In the center, there is a 'Profile' form box with a green border. The form contains the following fields: Id (2), Role (Admin), Name (Leela Krishna), Email (leelakrishna567@gmail.com), and Username (Leela Krishna). At the bottom of the form are two buttons: 'Update' (blue) and 'Delete' (red).

Profile	
Id	2
Role	Admin
Name	Leela Krishna
Email	leelakrishna567@gmail.com
Username	Leela Krishna
Update Delete	

LogOut

To log out from BBMS, simply click on the [Logout](#) button located in the top right-hand corner of the page. This action will securely end your session and redirect you to the BBMS home page.