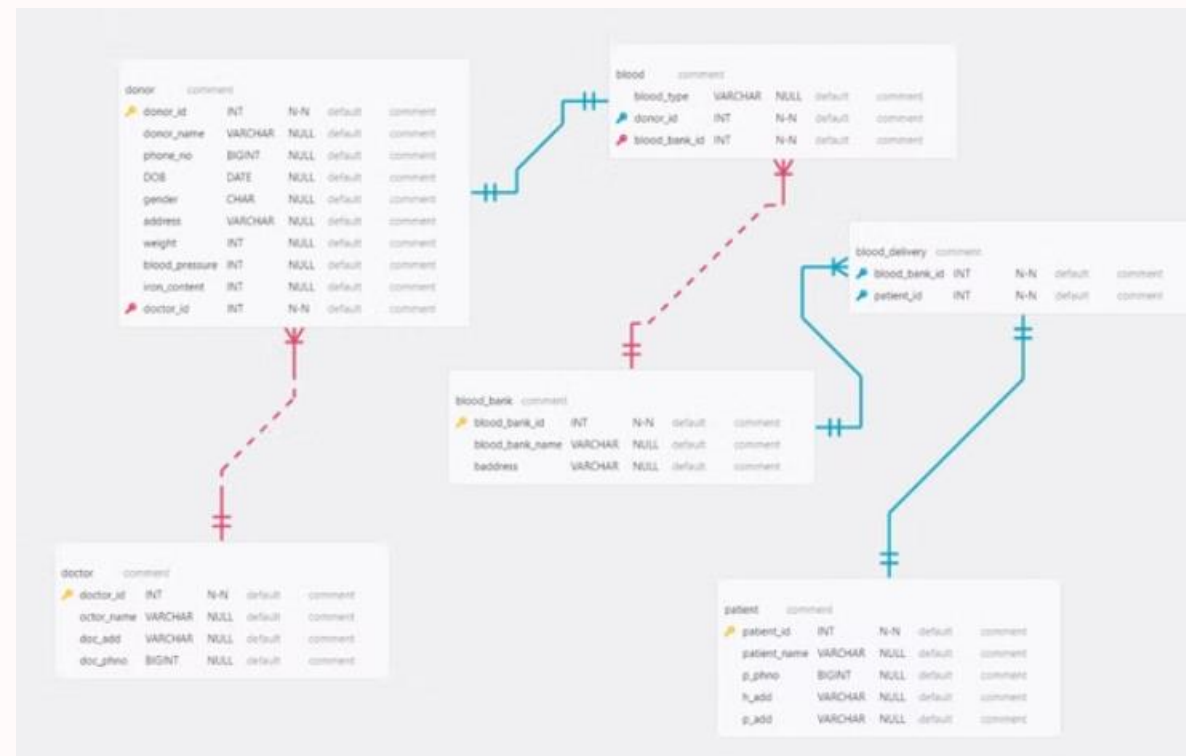# Blood Bank Management

The Blood Bank Management is a comprehensive solution for efficiently managing the operations of a blood bank. It streamlines the key processes, from donor registration to patient record maintenance, ensuring a reliable supply of life-saving blood products.

SCHEMA DIAGRAM

Technical Architecture

Frontend

The app's user interface is built using HTML, CSS, and JavaScript, providing a responsive and intuitive experience for blood bank staff and donors.
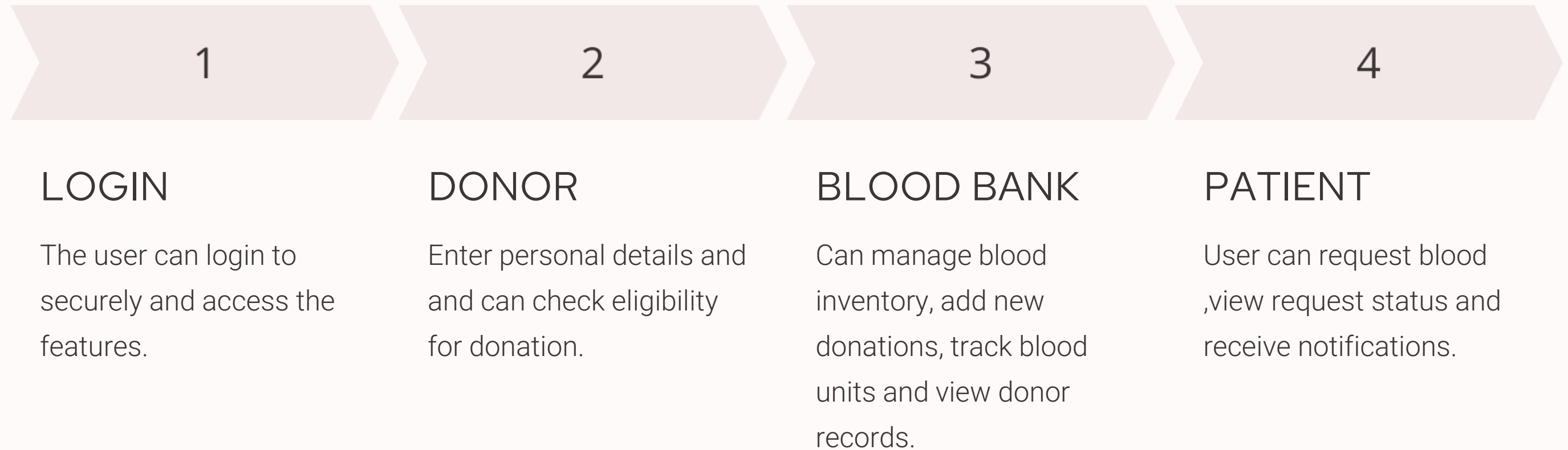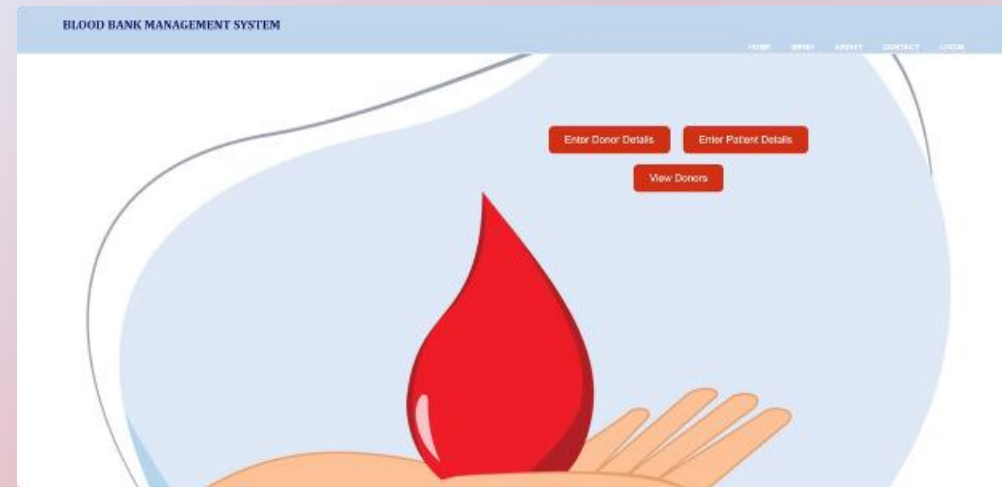
Backend

The backend is powered by Node.js and Express, enabling efficient data processing, API integration, and secure communication with the database.

Database

The app utilizes a XAMPP server and MySQL database to store and manage critical information related to donors, patients, and blood inventory.

User Workflow

1	2	3	4

LOGIN

The user can login to securely and access the features.

DONOR

Enter personal details and and can check eligibility for donation.

BLOOD BANK

Can manage blood inventory, add new donations, track blood units and view donor records.

PATIENT

User can request blood ,view request status and receive notifications.

Donor and Patient Management

1	2	3

Enter Donor Details

Users can easily input new donor information, including personal details and blood type.

Enter Patient Details

This facilitates the recording of patient information, enabling efficient blood product allocation.

View Donors

This also allows staff to view the comprehensive list of registered blood donors.

Made with Gamma

COMPATIBLE BLOOD TYPE DONORS

Blood Type	Donate Blood To	Recieve Blood From
A+	A+,AB+	A+,A-,O+,O-
O+	O+,A+,B+,AB+	O+,O-
B+	B+,AB+	B+,B-,O+,O-
AB+	AB+	Everyone
O-	Everyone	O-
A-	A+,A-,AB+,AB-	A-,O-
B-	B+,B-,AB+,AB-	B-,O-
AB-	AB+,AB-	AB-,A-,B-,O-

LEARN MORE ABOUT DONATION

After donating blood,the body works to replenish blood loss. This stimulates the production of new blood cells and in turn,helps in maintaining good health.

About

1 Comprehensive Solution

The Blood Bank Management streamlines all the critical operations of a blood bank, ensuring efficient management and reliable blood supply.

2 Empowering Healthcare

By automating and digitizing blood bank processes, the app contributes to improved patient care and community health.

3 Commitment to Quality

The app is designed with a focus on data integrity, user experience, and compliance with industry standards.

Thank You

We hope this presentation has given you a good understanding of the Blood Bank Management and its key features.