Blood Unity

Project By:

1. **Kokate Pooja Vinod**
   kokatepooja2001@gmail.com
2. **Chavan Vaishnavi Arvind**
   vaishnavic1652@gmail.com
3. **Sawant Bhakti Mahendra**
   bhaktisawantb533@gmail.com

INTRODUCTION

The project **Blood Unity** is designed for the blood bank to gather blood from various sources and distribute it. The Software is designed to handle the daily transactions of the blood bank and search the details when required. It also helps to register the details of donors, blood collection details as well as blood issued reports. The software application is designed in such a manner that it can suit the needs of all the blood bank requirements in the course of future. It will help us to find the blood group with its most efficient time to take care of the blood and it is more easy to hand over the blood to the hospital to help people to get blood on time.

This all things is been stored and been seen in this blood bank management system. Blood Bank Management System is a browser based solution that is designed to store, process, retrieve and analyze information concerned with the administrative, inventory management and clinical aspects of providing services within a blood bank.

The application allows the users to store the donor details in the application itself. Any subsequent donations made by the same donor automatically got linked up with the same identification number.

System allows the user to store physical and medical details of the donor at the time of the registration which could later on be edited during the time of subsequent donations. Application also allows the users to check the eligibility criteria of the donors for making donations, depending on which a track of the referred donors can be kept for the future referrals.

Features & functionality of the Blood Unity

There are three main actors of the application who will interact directly with the application.

Admin, **Donors, User.**

Admin:

Admin can manage both donors & users. He can add or remove any user from the system. Each member in a donor & user is given a user id and password, which identifies him uniquely. From admin module use can change donor details, delete donor or change the password.

1. Change Password
2. Modify donor details
3. Delete donor details
4. Handle blood requests.

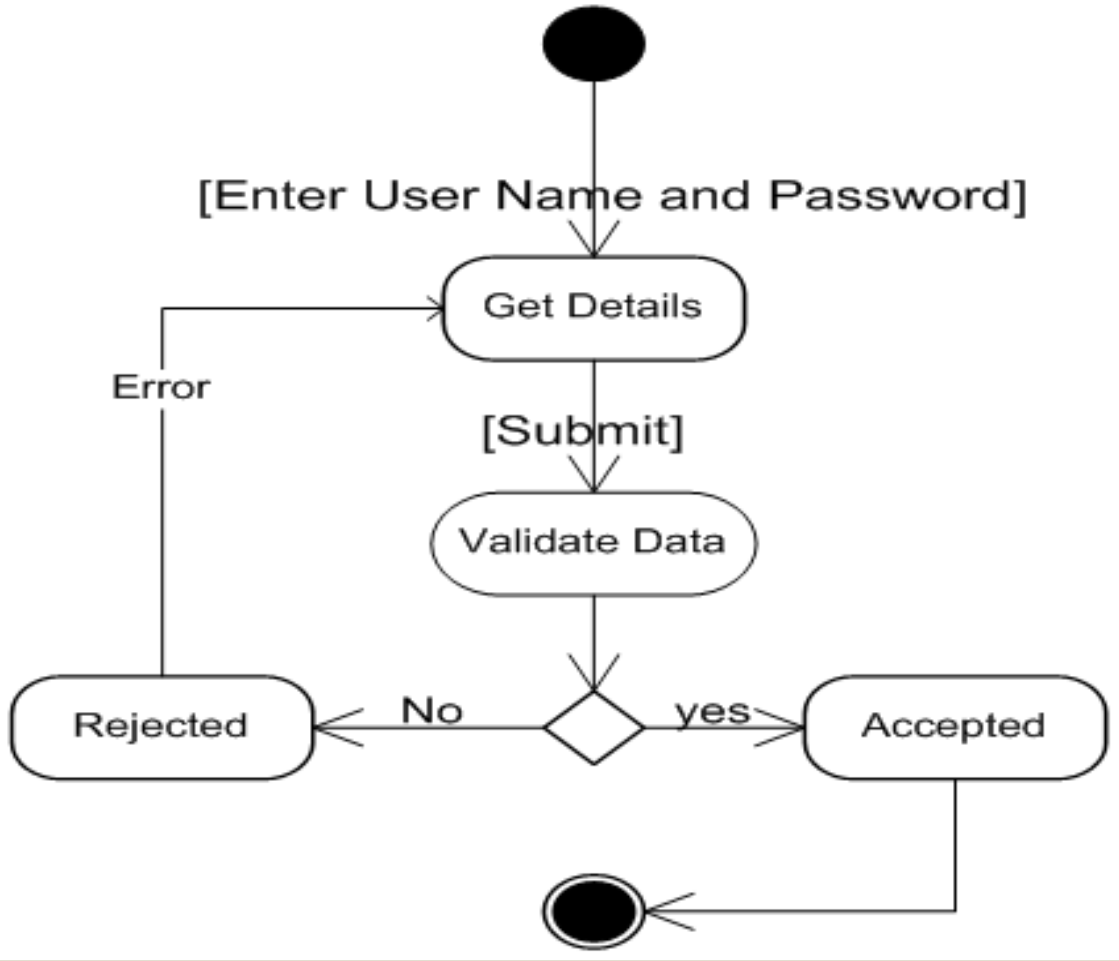
Donor:

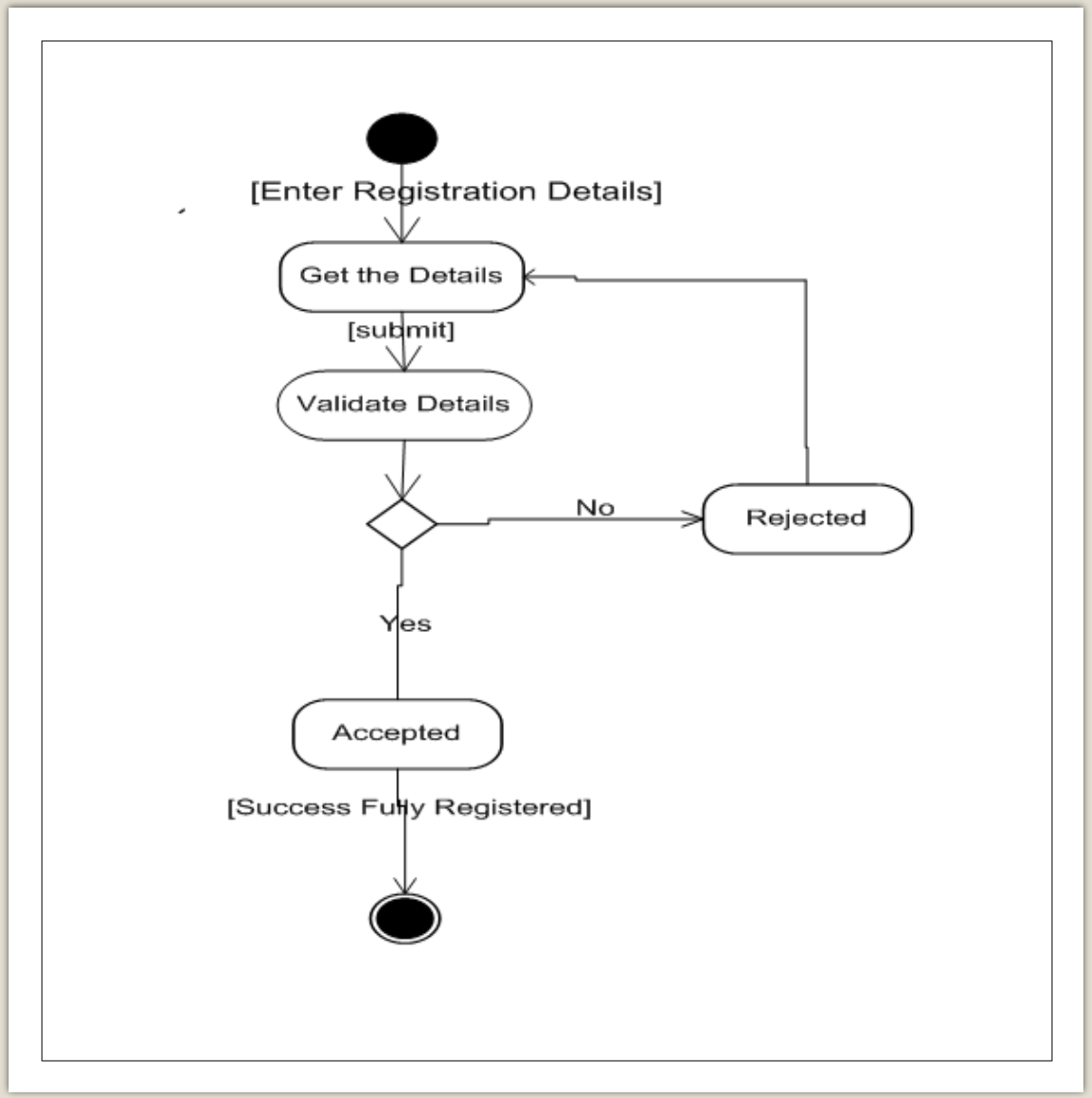
Each member in a donor & user is given a user id and password, which identifies him uniquely. Every registered donor has some option which will be showing in their account.

1. Login
2. Update your information
3. Delete account
4. Log Out.

DIAGRAMS FOR BLOOD UNITY PROJECT

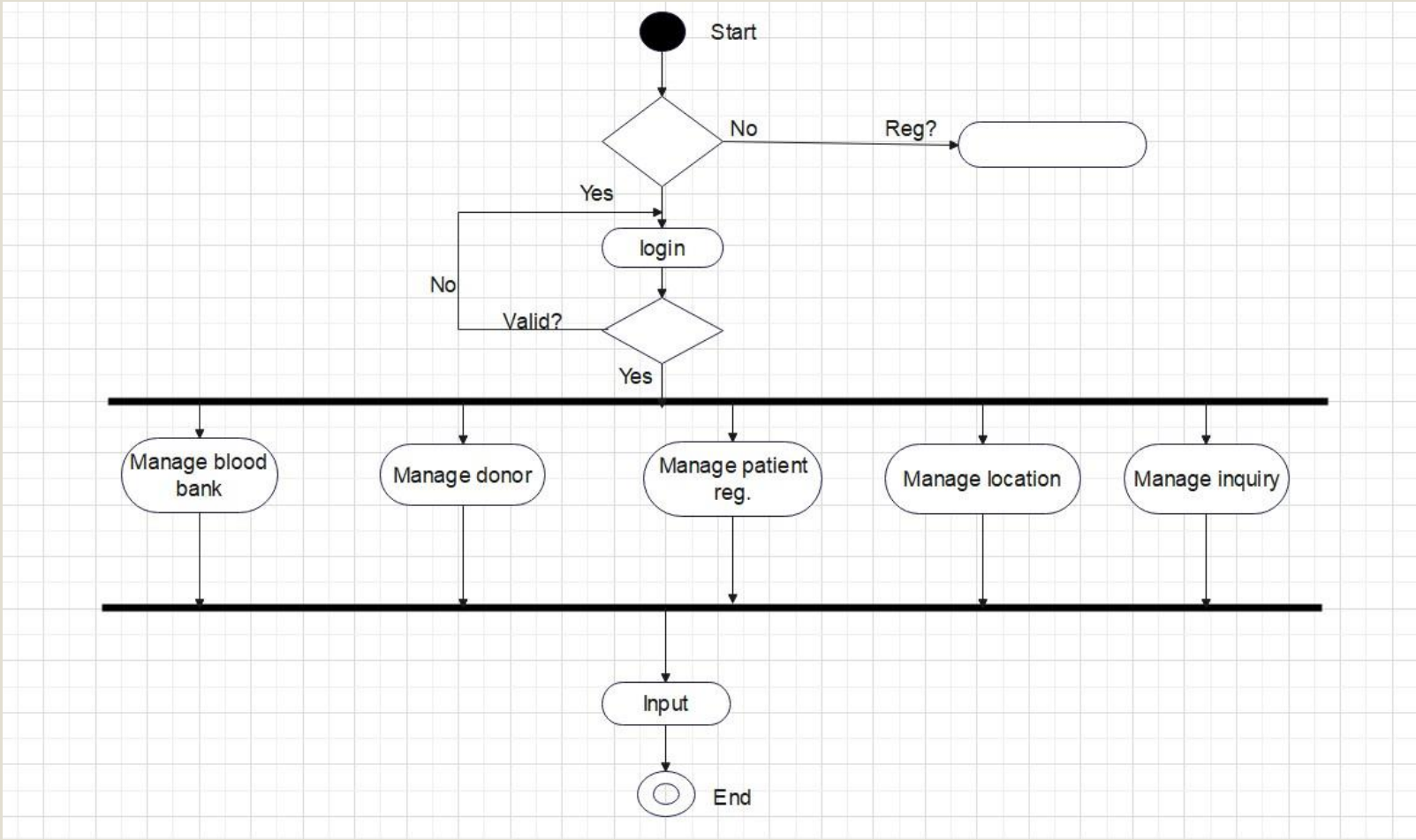
ACTIVITY DIAGRAM:



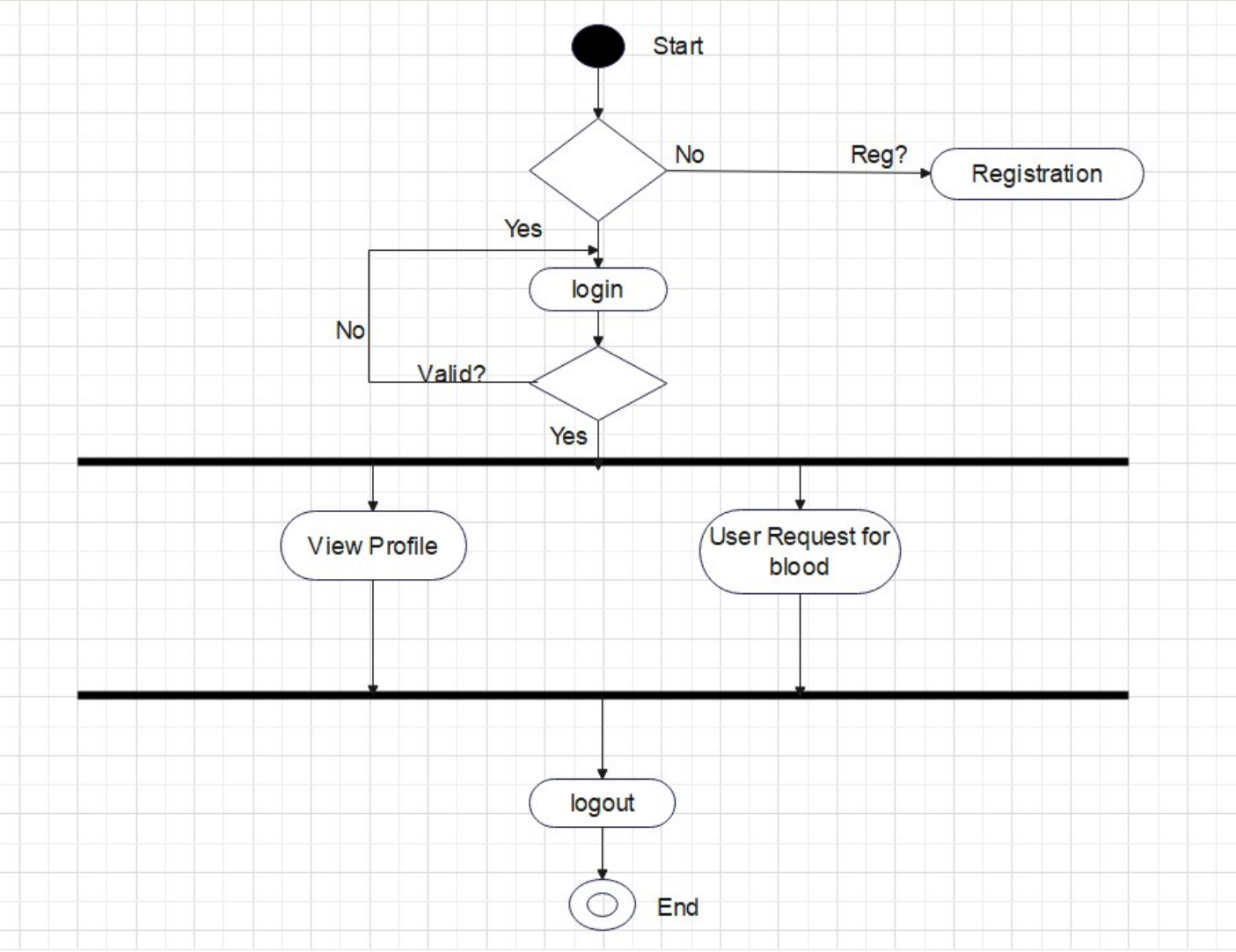


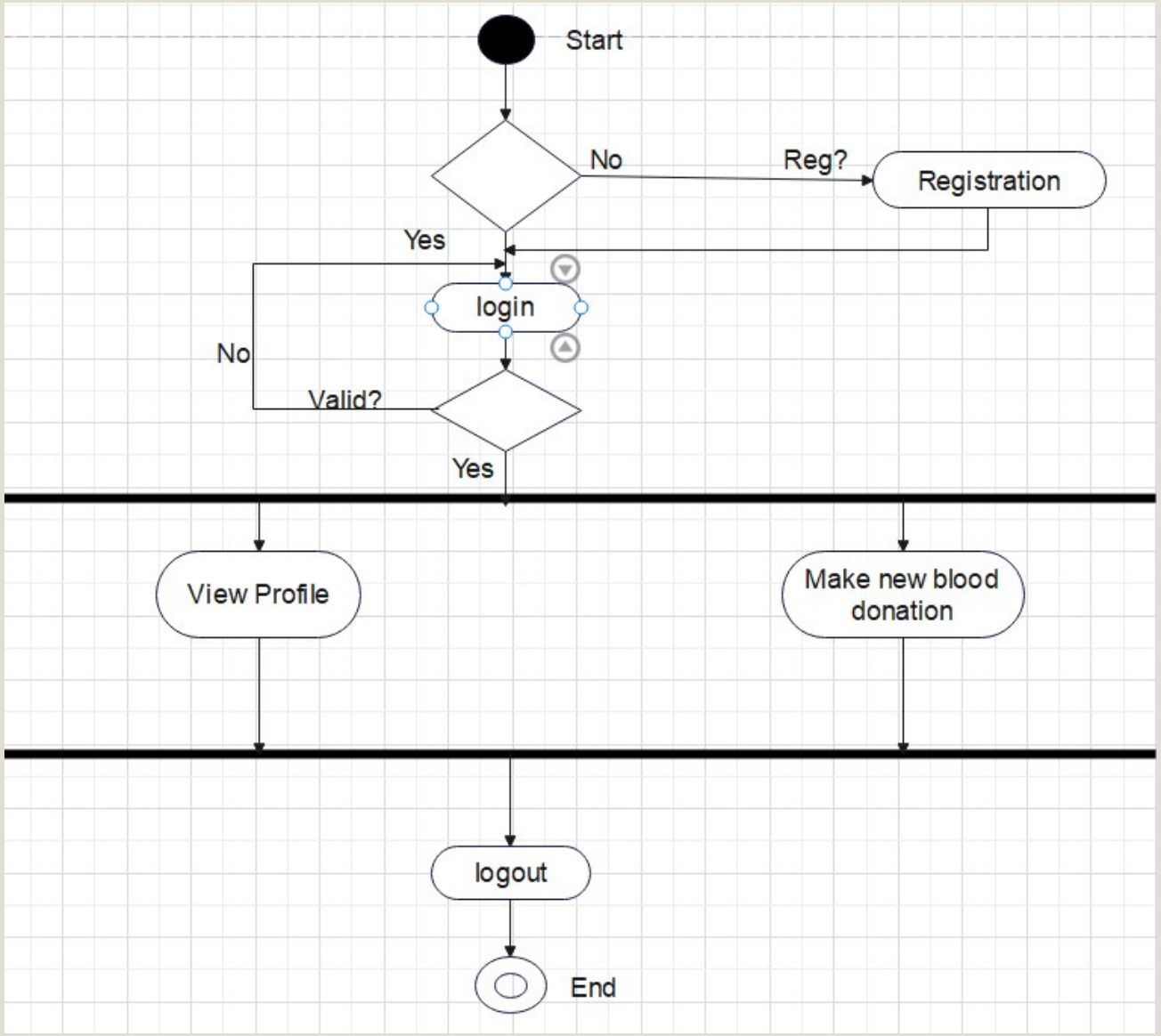
REGISTRATION ACTIVITY DIAGRAM:

ADMIN ACTIVITY DIAGRAM:



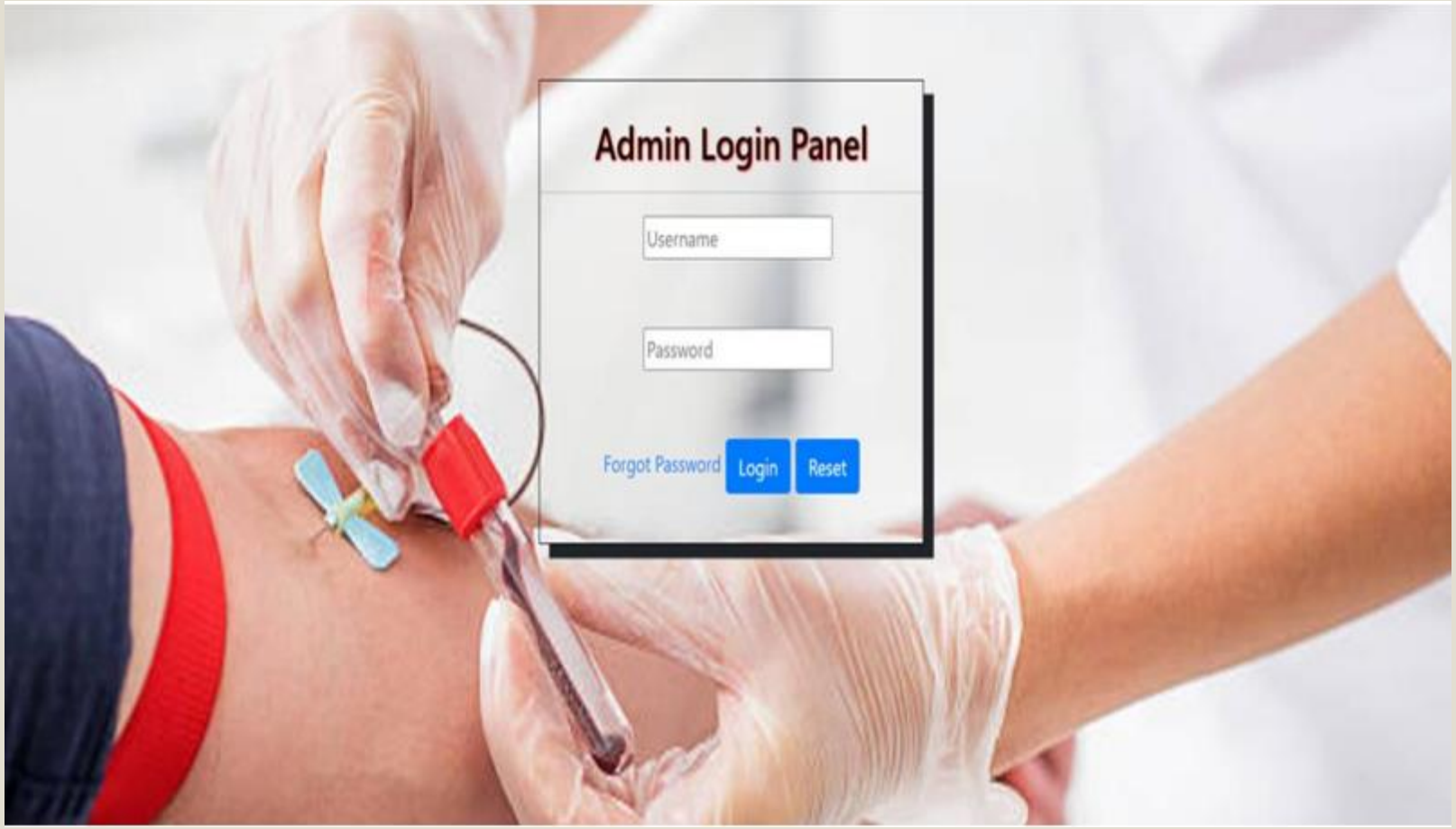
USER ACTIVITY DIAGRAM:

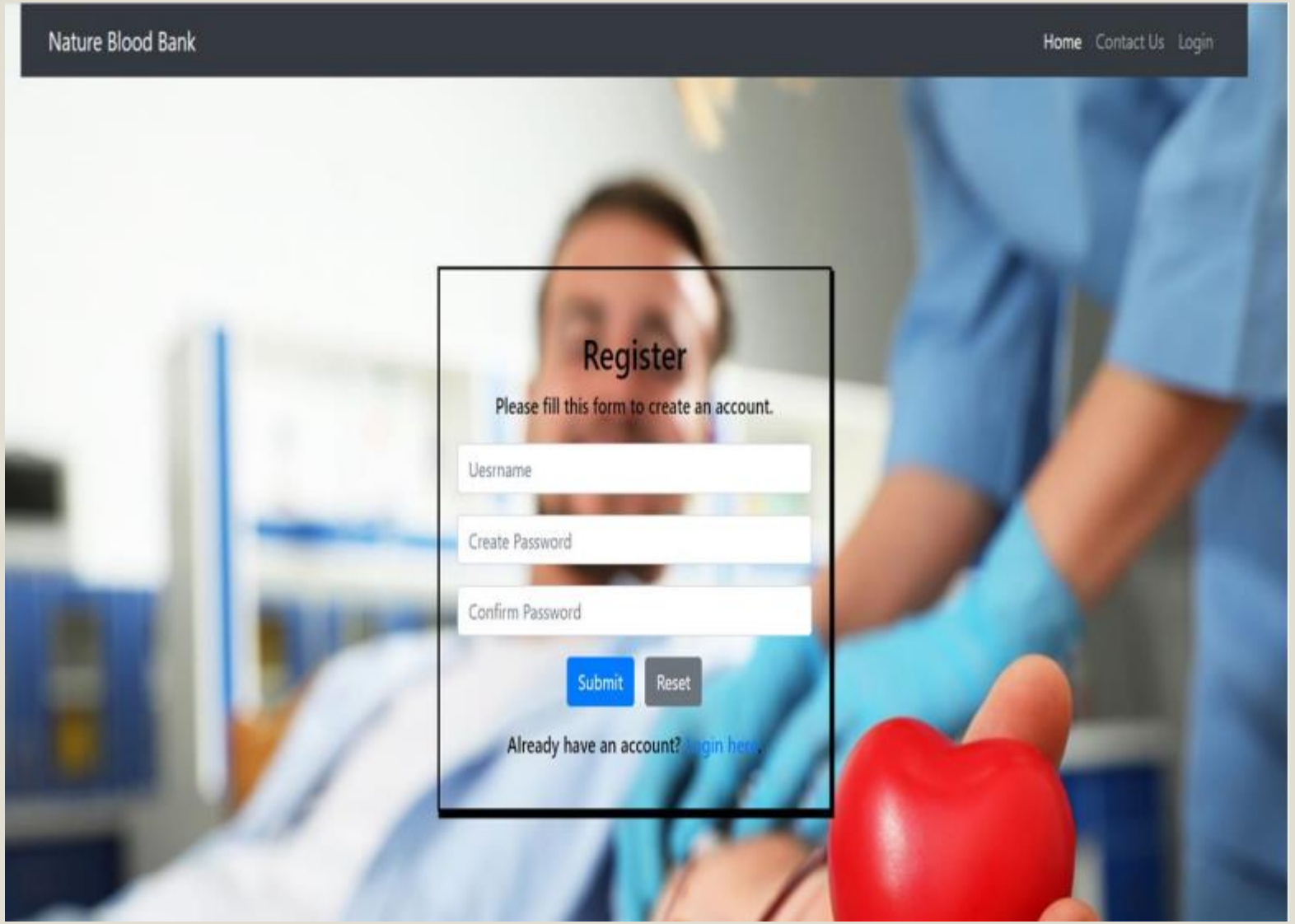




DONOR ACTIVITY DIAGRAM:

DESIGN AND IMPLEMENTATION OF BLOOD UNITY

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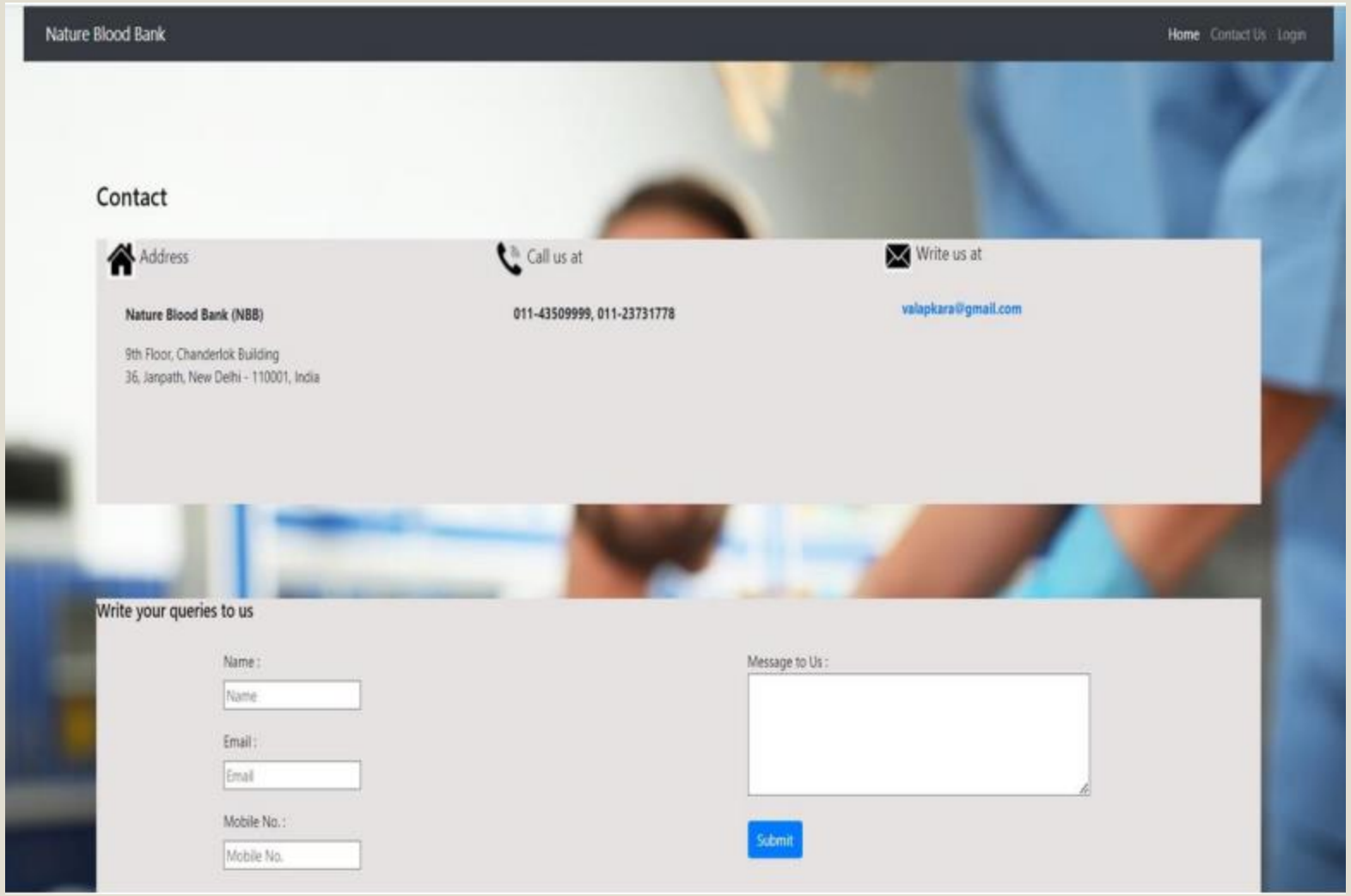
Nature Blood Bank
Home Contact Us Login
Contact
Address
Nature Blood Bank (NBB)
9th Floor, Chanderlok Building
36, Janpath, New Delhi - 110001, India
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011-43509999, 011-23731778
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valapkara@gmail.com
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Name
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CONCLUSION

This proposed Blood Unity System gives a reliable platform for both donors and users. It helps to minimize the human errors and problems related to data redundancy. The database is a vital aspect of the system.

The Blood Unity System aims to automate the entire process of blood donation and management, making it more efficient, cost- effective, and error-free. The system will ensure the safety of the blood supply chain by implementing robust screening and testing protocols.