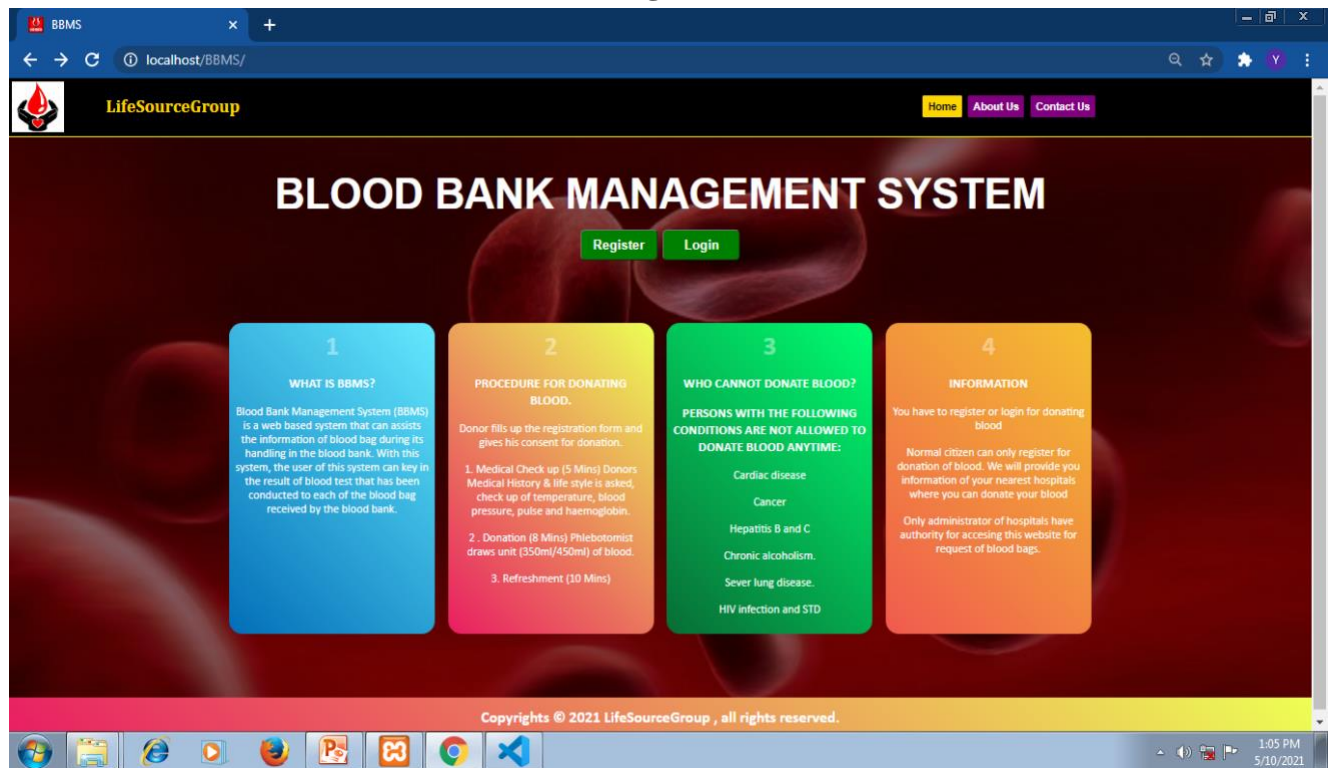
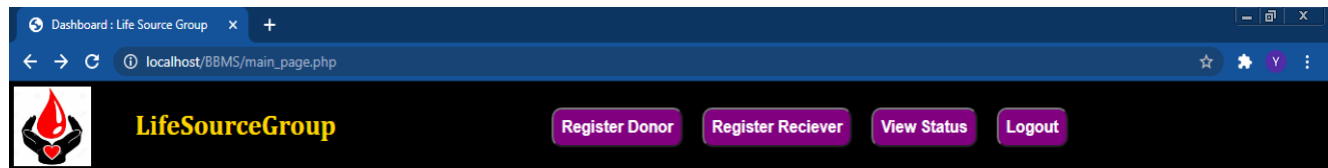


Home Page Screen



Landing Page Screen (After Logged in)



Donor Transactions

Donor Name	Donor Contact	Blood Group	Quantity (in ml)	Date
Yogesh	9898765645	AB-pos	150	2021-04-14
Mahesh	7977854564	O-neg	100	2021-04-14
Jayesh	9456456456	A-pos	100	2021-04-17
Krishna Murli	9343763734	B-neg	50	2021-04-17
Umesh	9085654656	O-neg	150	2021-05-07

Receiver Transactions


Receiver Name	Receiver Contact	Blood Group	Quantity (in ml)	Date
Mahendra	7977545694	AB-pos	50	2021-04-14
Mayur	9345345345	O-pos	50	2021-04-17



Blood Bank Stock Screen

View Profile : Blood Bank Status x +

localhost/BBMS/view.php



LifeSourceGroup

SevenHills
Marol Maroshi, Andheri(W), Mumbai

Blood Stock Status

Blood Group	Blood Stock (in ml)
A-neg	0
A-pos	100
AB-neg	150
AB-pos	250
B-neg	50
B-pos	100
O-neg	350
O-pos	200

1:12 PM
5/10/2021

Profile Section

View Profile : Blood Bank Status x +

localhost/BBMS/view.php

Hello Yash, Welcome to your Profile

Field	Value
Name	<input type="text" value="Yash"/>
Email	<input type="text" value="yash@gmail.com"/>
Contact	<input type="text" value="9045673256"/>
Admin_ID	10001
Hospital Name	SevenHills

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5:01 PM
5/10/2021

Architecture / Framework

- **Data Centered Architecture**

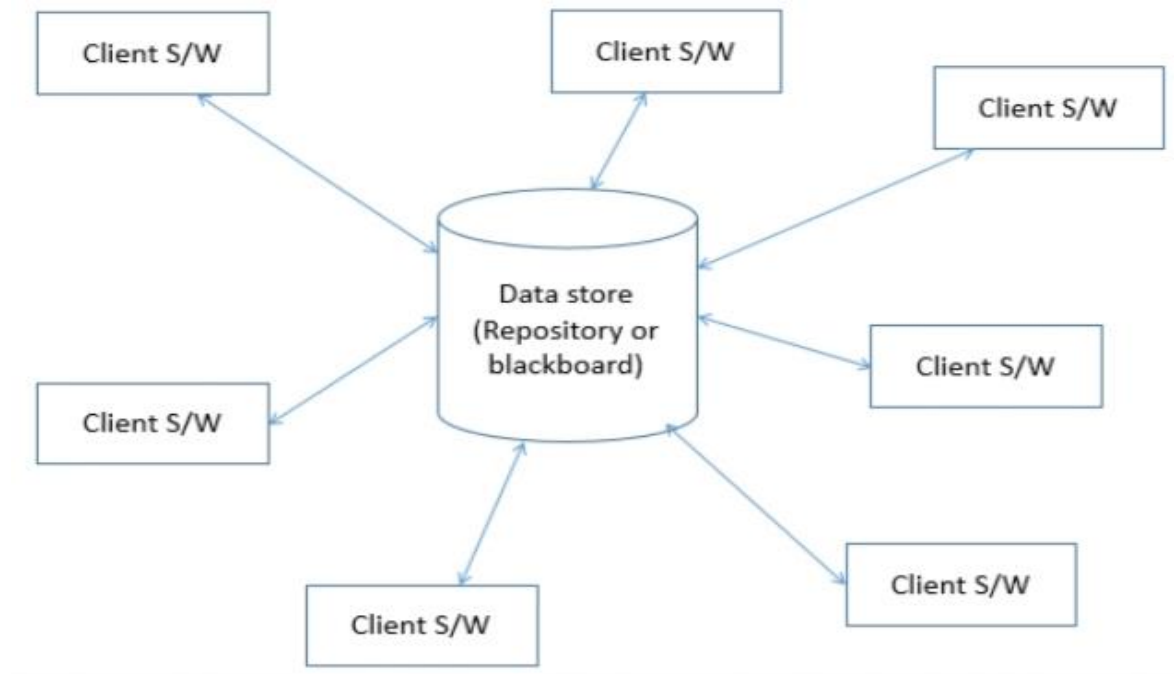


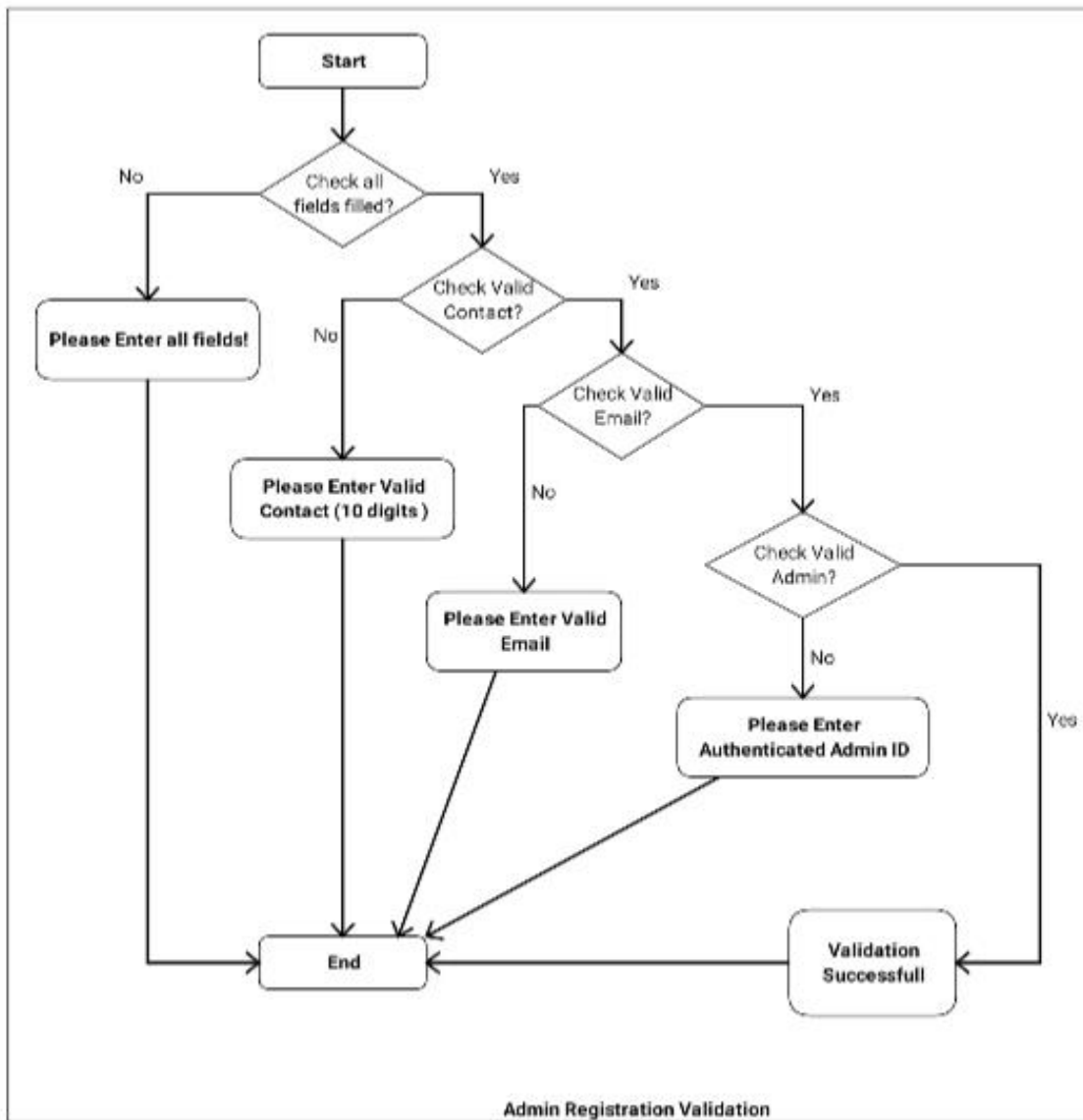
Fig 1

- The web application consists of centralized database server which can be manipulated by authorized admins across the globe.
- The database of a system is at the center of the architecture.
- The client software includes various admin devices which are responsible for updating and modifying the data in a database
- While inserting the new data triggers are defined to update the data in database

Algorithm and process design

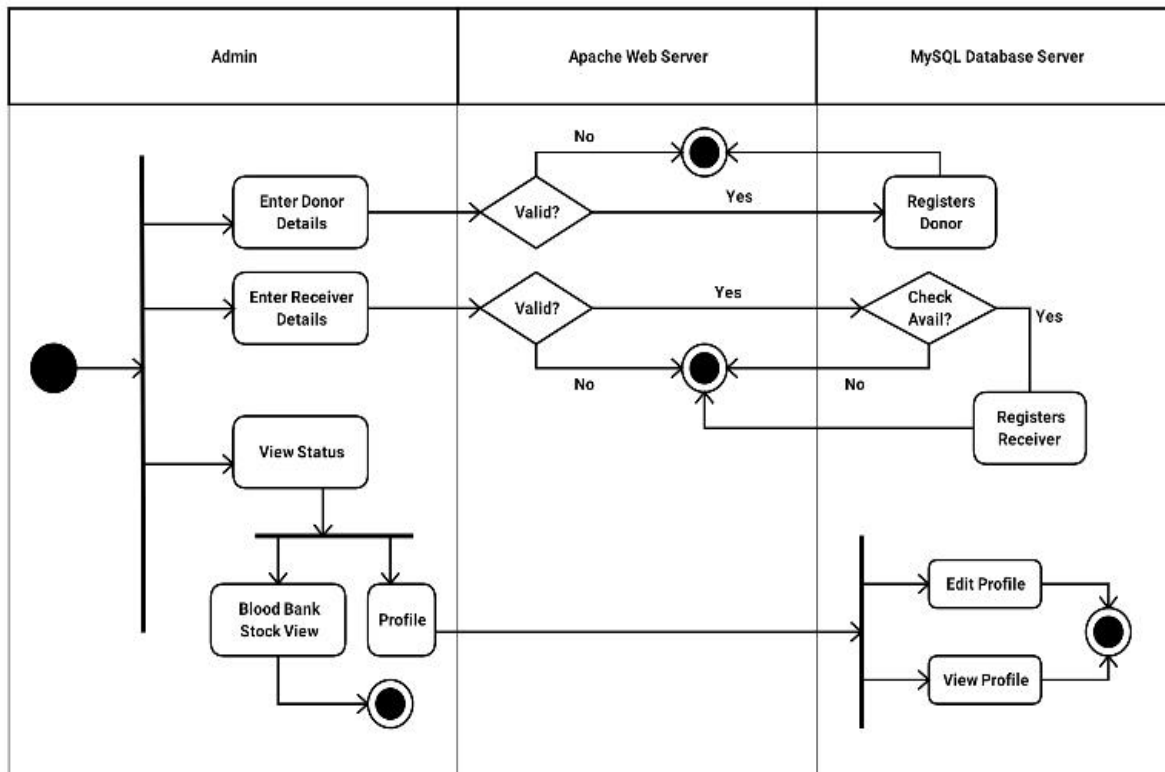
- **Validation and Authentication while Registration**

- ADMIN_ID should be present in the list of authenticated admins of the hospital database for access
- Validation in the form involves:
 1. Email Validation
 2. Contact Number Validation

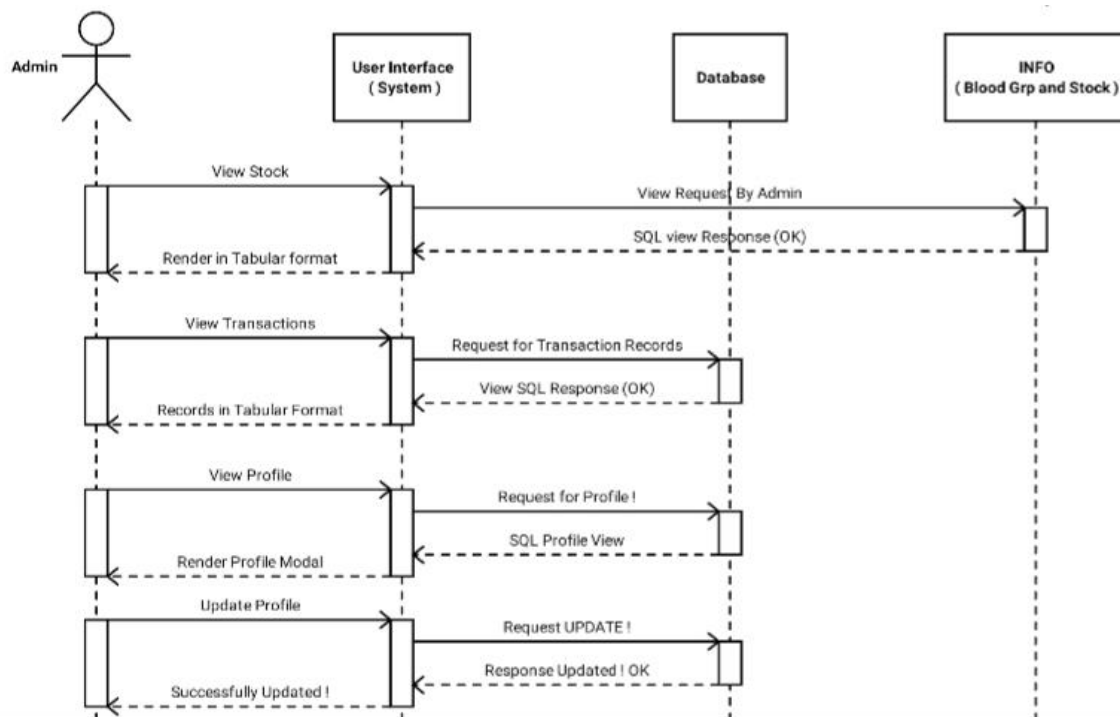


Process Design:

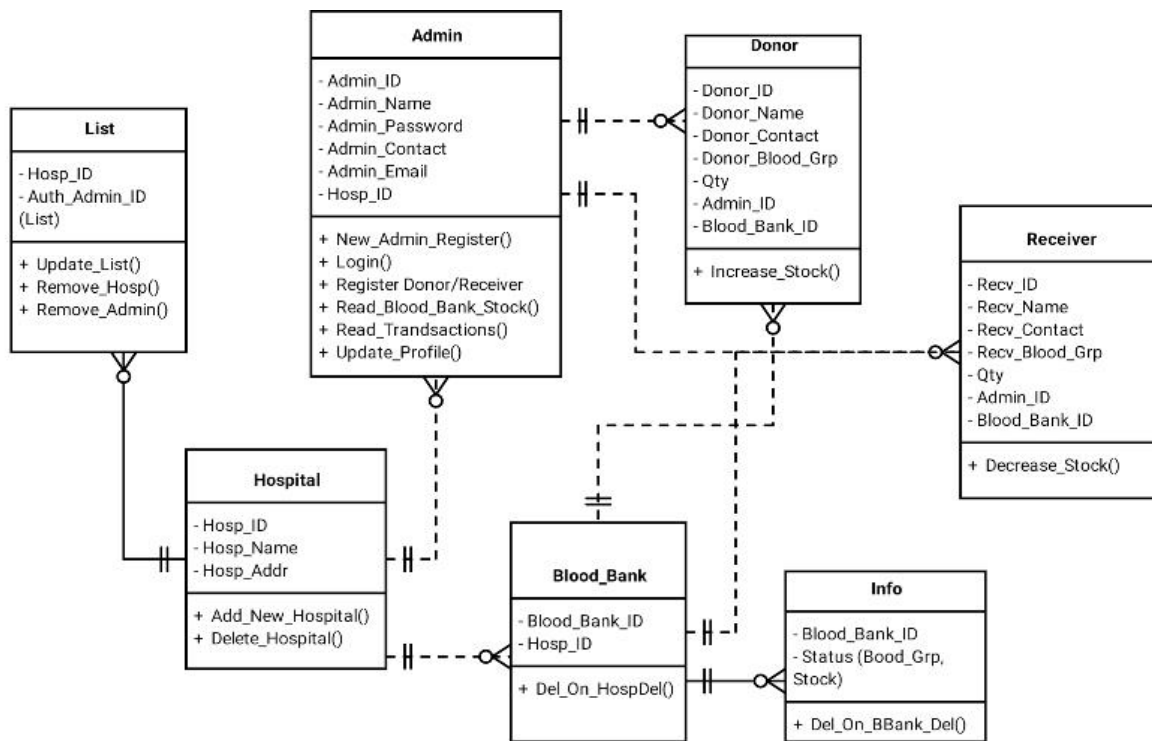
➤ Swimlane Diagram



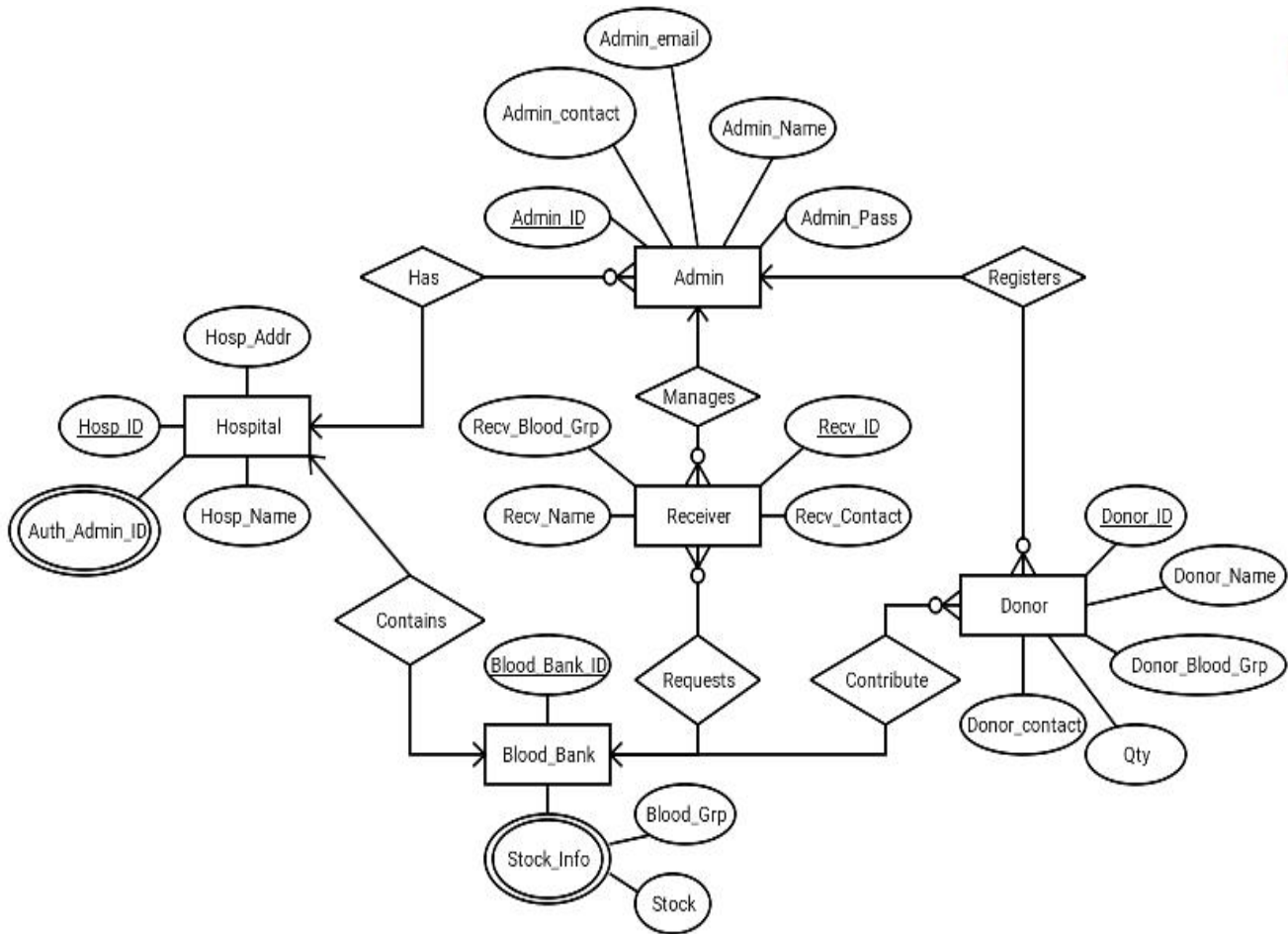
Sequence Diagram (Admin Functionalities)



➤ Class Diagram



➤ ER Diagram



➤ Design Flowchart

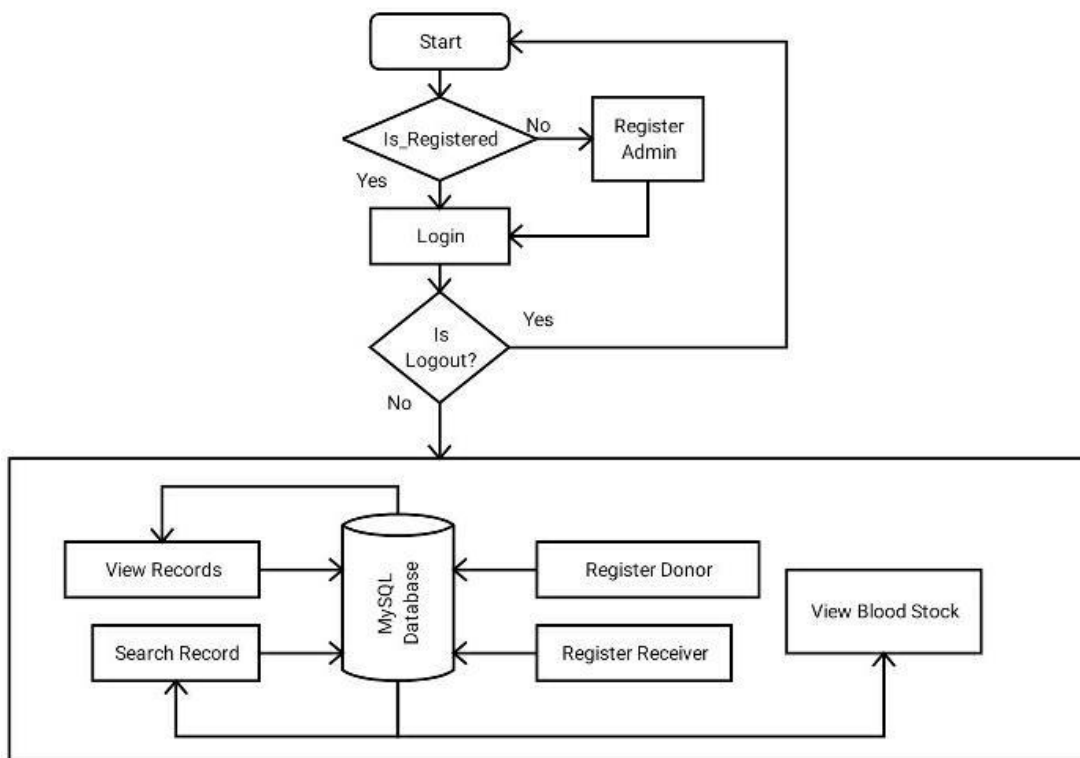


Fig 7

Details of hardware and software

- **Hardware Requirements**

- Any Device with internet connectivity.
- The localhost server for desktop application platform needs
 1. PC/ Laptop with any OS
 2. RAM above 1 GB.
 3. Port 3306 Open connection for MySQL server.
 4. Port 8080 for Apache Web server for serving PHP pages over localhost device.

- **Software Requirements**

- Xampp server (For Windows / Linux)
- Visual Studio Code Editor (Text Editor)
- MySQL Command Line and Workbench