

AED DEVOPS

Namratha Reddy | vatti.m@husky.neu.edu | NUID -001347583

Huangdong Wen | wen.hu@husky.neu.edu | NUID- 001302614

Akshitha Shetty | shetty.aks@husky.neu.edu | NUID- 001310907

Blood Donation Management System



The Summary

The presentation summarizes the design made for a blood donation management system. The design process involved the following - understanding the problem statement, designing the system, sketching the specifications, Drawing the sequence and object diagram. Thus, the report first emphasizes the need and motivation behind this project. This is followed by an overview of the various parts of the system. Next, the details of the system is elaborated using Class Diagram, Object Diagram and use cases.



The solution

The project aims at providing an end to end system for the donors as well as recipients with the hospitals and labs as coordinating organizations.

Approach

The system is divided into networks, organizations and enterprises. Each of them perform their individual roles in the system as well coordinate with each other to ensure that blood is efficiently transferred from the donor to the recipient.

Key Features

Donor Friendly

Allows the donor to register for a slot for blood donation at reduces wait time.



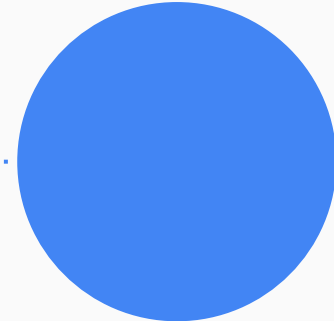
Causes Active Participation

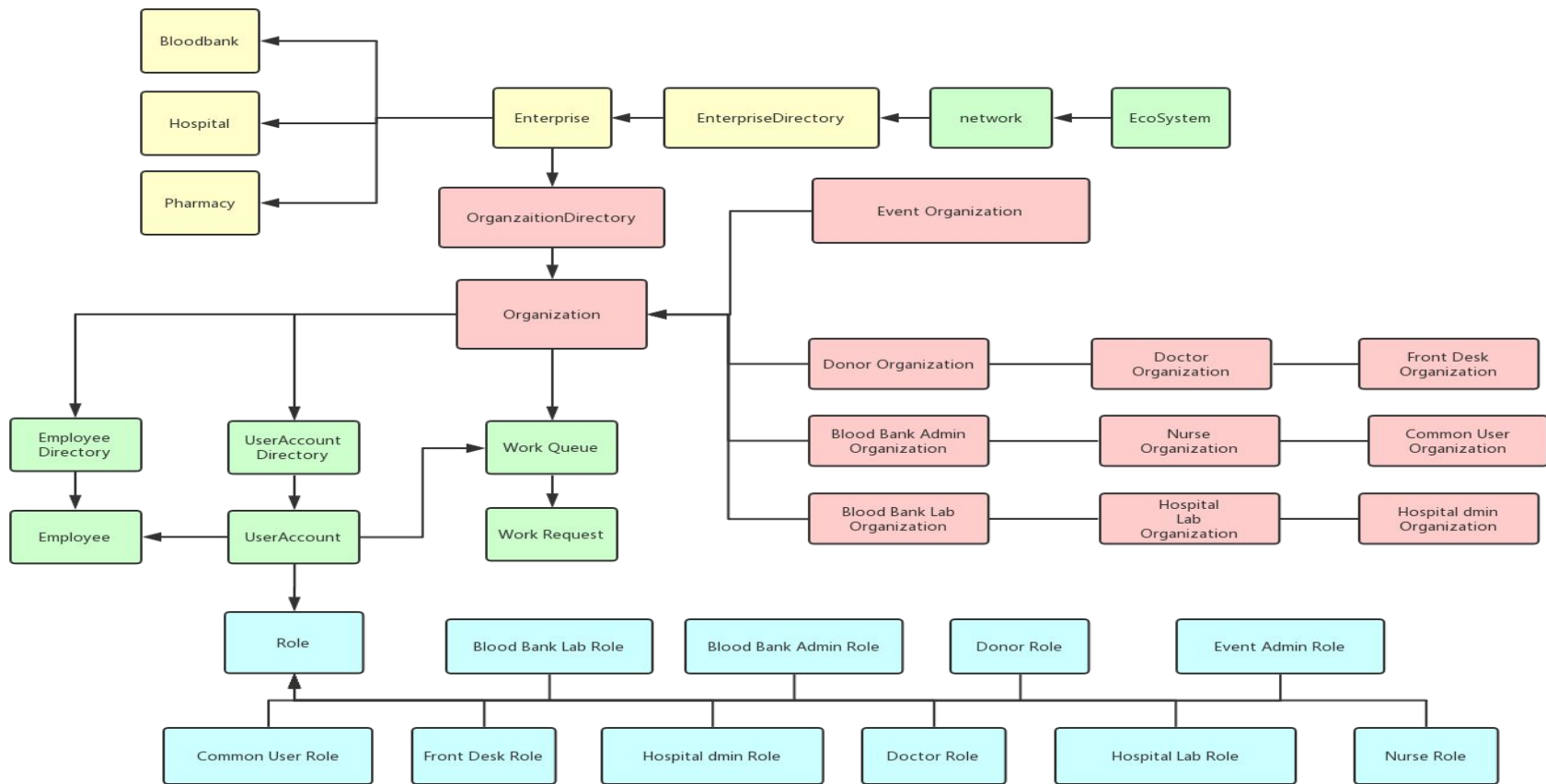
The hospitals and blood banks are able to reach to more donors.

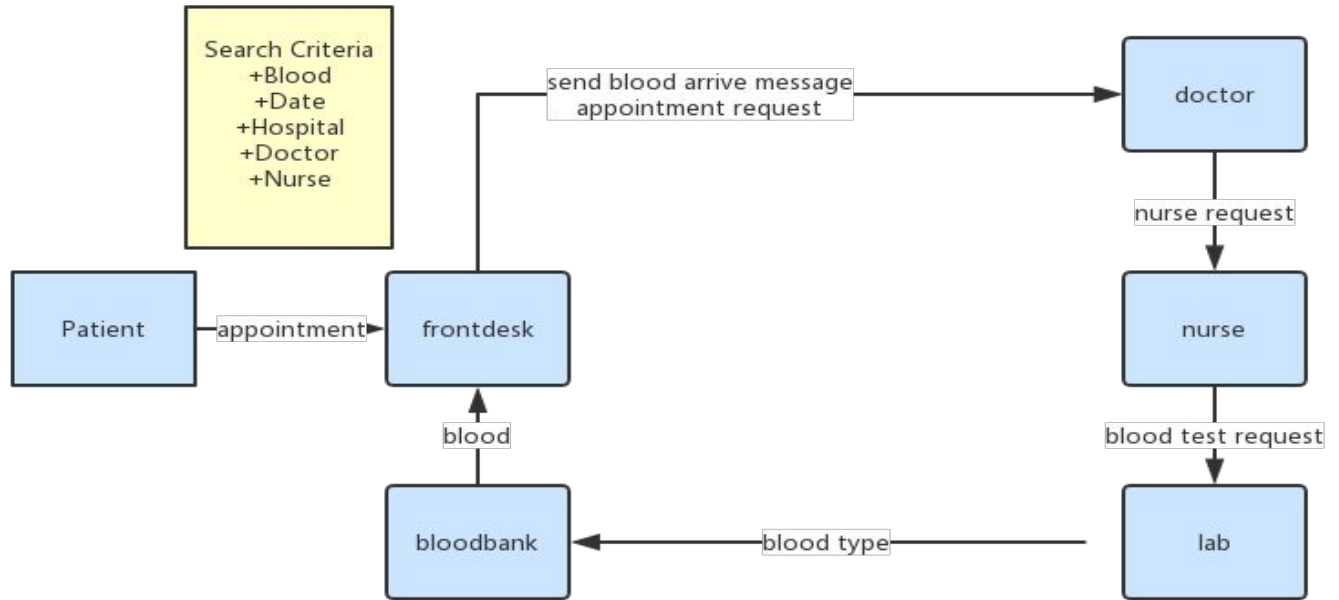


The Tracking


The organizations are able to monitor their performance.







App Work Flow



VITAL ANT

User Login

User Name

donor

Password

LOGIN

LOGOUT

Donor Portal

Welcome:

Name

Age

Phone Number

Address

Select Blood Bank

bank


Donate

View Events

| Sender | Medicine | Status | Pharmacy |
|--------|----------|--------|----------|
| | | | |

Check Availability

Request



VITAL ANT

User Login

User Name

lab

Password

LOGIN

LOGOUT

| Sender | Name | Blood Group | Reciever | Date | Status | Blood Bank |
|--------|------|-------------|----------|------|--------|------------|
| | | | | | | |

Assign to me

Process





VITAL ANT

User Login

User Name

lab

Password

LOGIN

LOGOUT

Temperature

BP

Heart Rate

Platelets

Blood Group

Medicine

Prescribe Medicines

| Donor | Medicine |
|-------|----------|
| | |
| | |
| | |
| | |

Are You

Feeling healthy and well today?

☐ Yes ☐ No

Currently taking any antibiotic?

☐ Yes ☐ No

Currently taking any other medication for an infection?

☐ Yes ☐ No

In the past 48 hours

Have you taken aspirin or anything that has aspirin in it?

☐ Yes ☐ No

In the past 8 weeks, have you

Donated blood, platelets or plasma?

☐ Yes ☐ No

Had any vaccinations or other shots?

☐ Yes ☐ No

Submit Result

<<Back



Type here to search



11:36 PM
12/7/2019





VITAL ANT

User Login

User Name

Password

LOGIN

LOGOUT

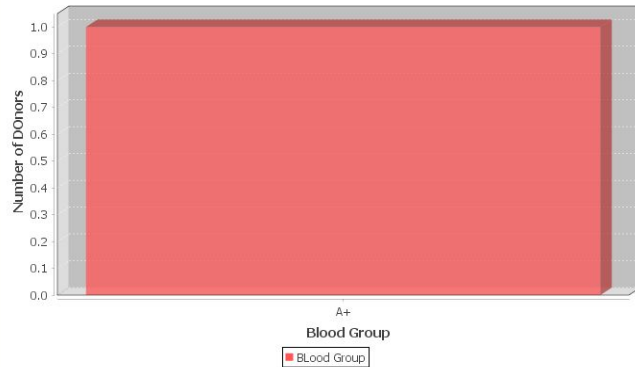
Blood Bank Organisation

| Donor | Receiver | Blood Type | Date | Status |
|-------|----------|------------|------------|-----------|
| donor | | A+ | 2019-12-07 | Completed |

| Sender | Patient | Blood Type | Recieved Date | status |
|--------|---------|------------|---------------|--------|
| | | | | |

Blood Bank Donors List

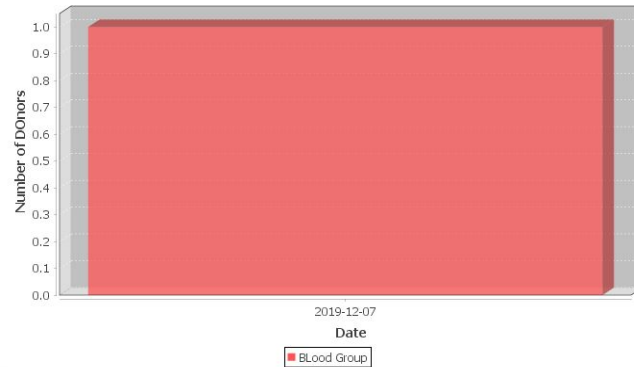
Blood donated by donors



Recipient List

Approve and send

Donors on date



Type here to search



11:42 PM

12/7/2019



Pharmacy Work Flow



VITAL ANT

User Login

User Name

Password

LOGIN

LOGOUT

Pharmacy

Medicine

ADD Medicine

Delete

Medicines List

| Pharmacy | Medicine |
|----------|----------|
| | |

List of Requesters for Medicine

| Requester | Medicine | Status |
|-----------|----------|--------|
| | | |

Send Medicine



Type here to search



11:39 PM
12/7/2019

