# BLOOD ASSIST

(Website)

Final Project Report Submitted For the Block 1 of the Course of

## Mobile Application Development

## (Software Development Tools)

**Submitted By**

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# ABSTRACT

"Blood Assist" is a Web-based developed application.

This Web application helps users to search for blood in an easy and fast way. This application enables users to find blood in emergency situations and also users can add his details as donor for any needful. In this application users can easily find the details of donors and receivers through their Web interface. Users need to register with the application to view all the information which is available on the application. The user can search the details and find the details of the blood donors based on their blood group, area, place, etc... .Users can find details about the donor's including their location.

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# 1. Introduction

This project is basically a management and information system which provides the information about donors and receivers for blood to the users. The main features of this project includes information of donors and receivers for users from anywhere in the form of obtaining statistical information about users who are registered.

## 1.1 Purpose

The purpose of this application is to provide the details of the donors and receivers to users easily.

## 1.2 Scope

Primarily the scope pertains to the registration of the user in the online application and find or add the details. These details will be recorded and available for the users in need. This system will focus on providing easy finding of blood.

# 2. General Description

This application enables users to find blood in emergency situations and also users can add his details as donor for any needful. In this application users can easily find the details of donors and receivers through their online platform. Users need to register with the application to view all the information which is available on the application. The user can search the details and find the details of the blood donors based on their blood group, area, place, etc... .Users can find details about the donor's including their location.

## 2.1 Product Functions

a. Users have to register for the application.
b. Users are having different tasks to select.
c. Donor, Receiver, Requests and Search are the tasks on the user page.
d. Donor and Receiver has to add their details.
e. Requests will record the generated requests
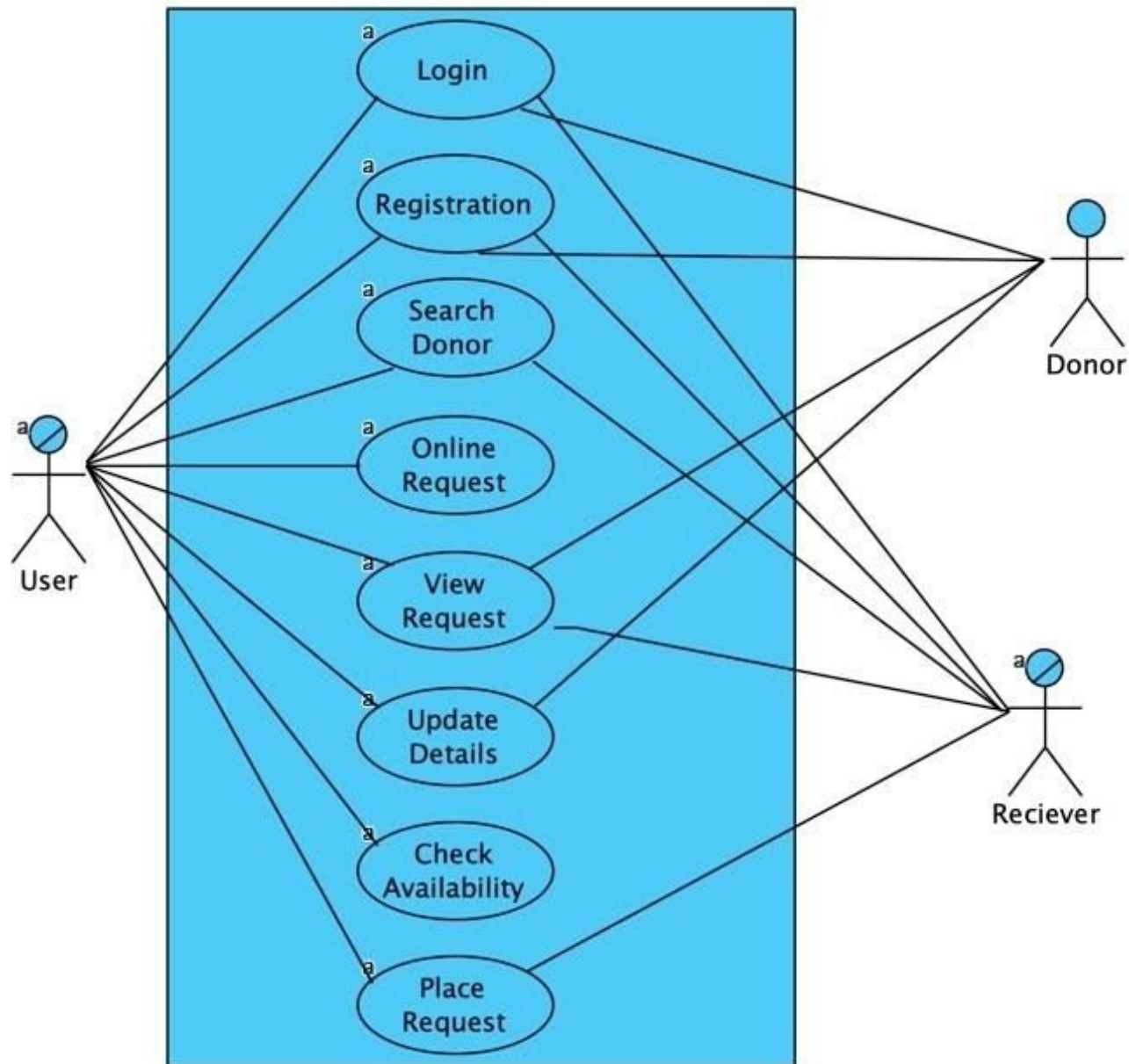f. Search is used to search the required entity.

## 2.2 User Characteristics

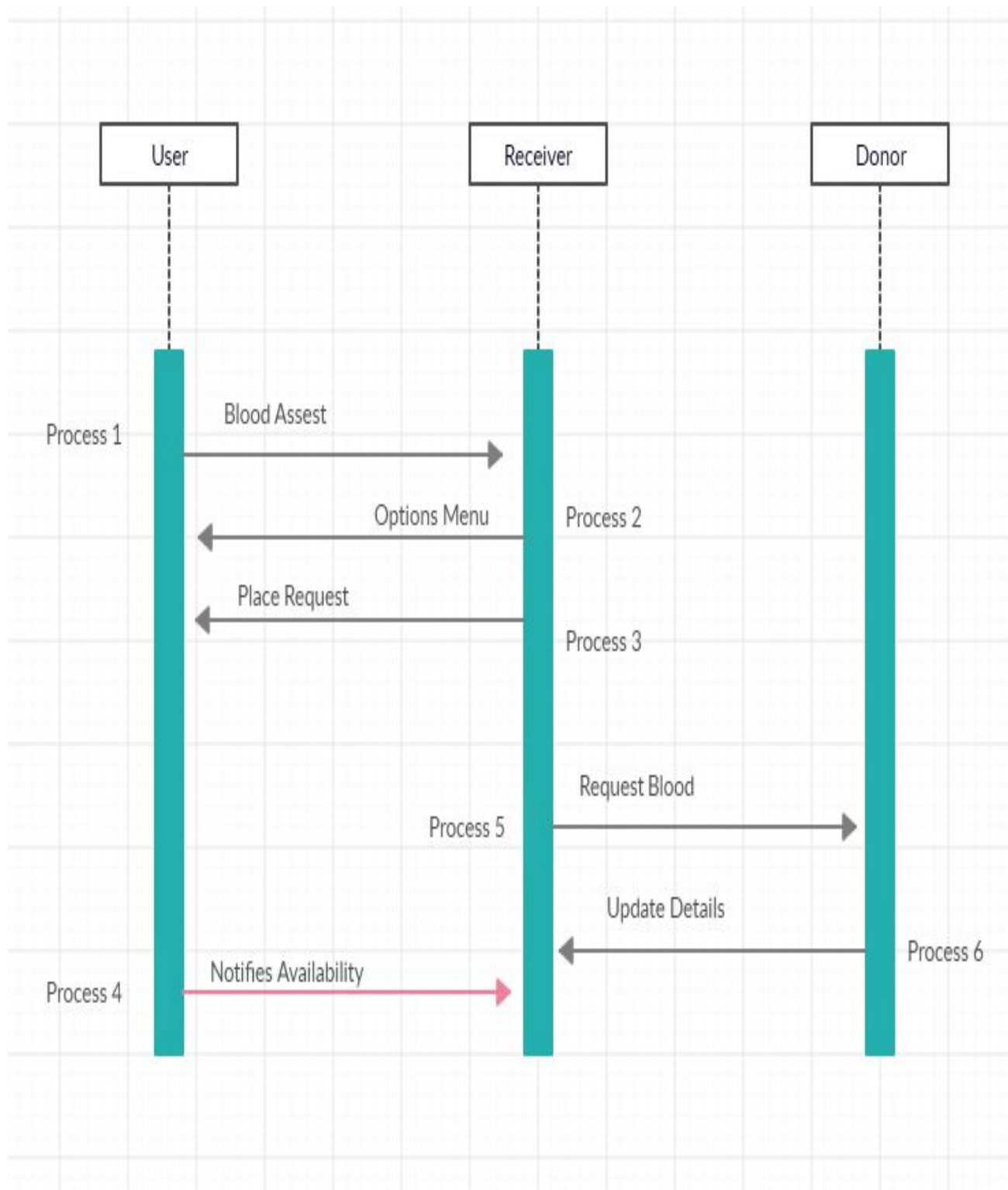a. Users must be of age 18+ to register for this application.

# 3. Analysis Models

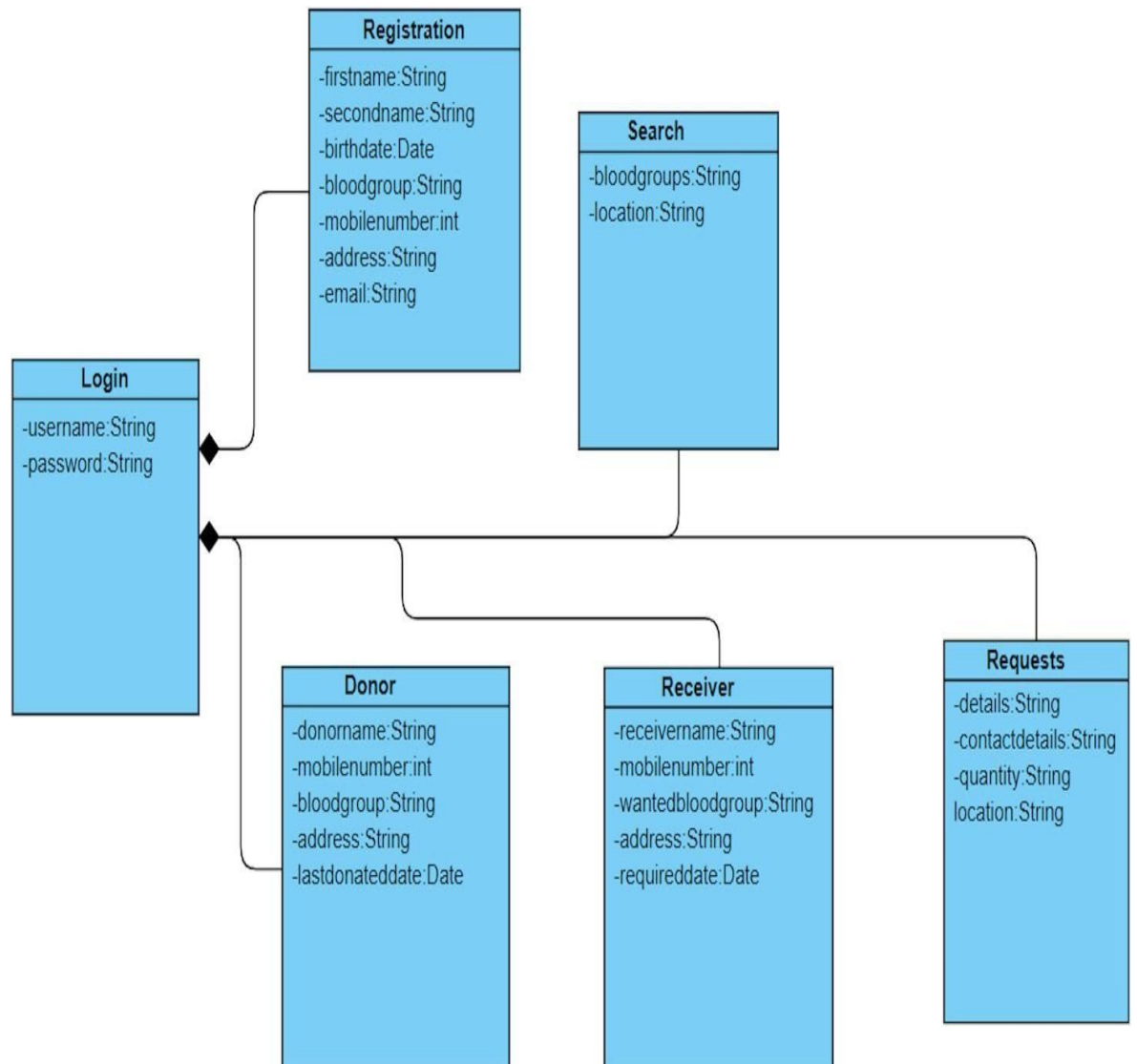The functions of this projects are described in diagrams below
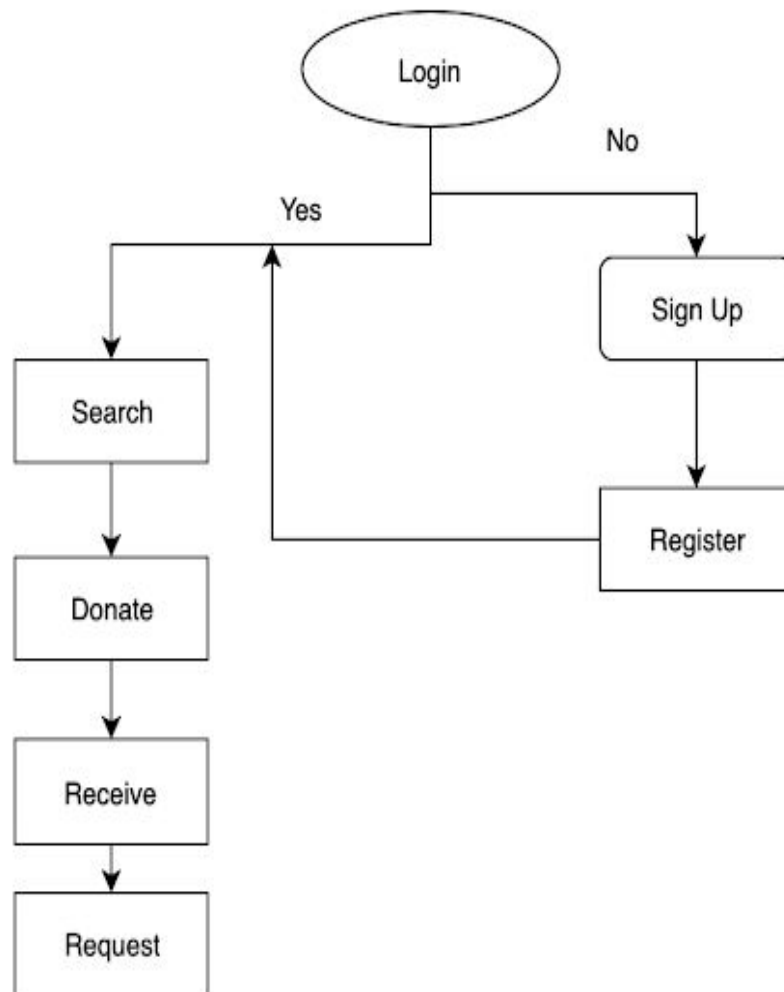
## 3.1 Use Case Diagrams

**3.2** Sequence Diagrams

**3.3** Class Diagrams

**Registration**

-firstname:String
-secondname:String
-birthdate:Date
-bloodgroup:String
-mobilenumber:int
-address:String
-email:String

**Search**

-bloodgroups:String
-location:String

**Login**

-username:String
-password:String

**Donor**

-donorname:String
-mobilenumber:int
-bloodgroup:String
-address:String
-lastdonateddate:Date

**Receiver**

-receivername:String
-mobilenumber:int
-wantedbloodgroup:String
-address:String
-requireddate:Date

**Requests**

-details:String
-contactdetails:String
-quantity:String
location:String

## 3.4. Flow Chart

## 3.5. Screen design

## Receiver Details

Receiver Name:

Mobile Number:

Wanted Blood Group:

Required Date:

mm/dd/yyyy

Address:

**Add Request**

## Requests Details

| S.No | Name | Mobile | Blood Group | Req. Date | Address |
|------|------|--------|-------------|-----------|---------|
| 1 | Mark | 986696466 | O+ | 4/2/2020 | Montreal |
| 2 | Jacob | 4651565554 | B+ | 2/2/2020 | Montreal |
| 3 | Larry | 745454514 | A+ | 1/2/2020 | Montreal |
| 4 | Jacob | 4651565554 | B+ | 2/2/2020 | Montreal |
| 5 | Larry | 745454514 | A+ | 1/2/2020 | Montreal |