**Blood donation system**

Introduction:

This project is designed to help the charity orgnization system to get blood donations from people and provides hospitals and patients with blood they need and it keeps detailed information as well as separate information of all the locations where the blood is available and what kind of blood is available and in how much.

Each of the system users will login/regist according to his role. Then the system functionalities will appear for each of them.

The system stores information about the blood that is available in the charity.

Also, at time of emergency situation this system facilatetes finding the nearest place from a patient who needs blood urgently, so it helps saves many souls.

Nowadays we see that people lose their precious life without getting the blood at the right time at time of accidents. Sometimes there may not be proper contact of the blood donors. So, this donation system application can be of a great help to solve all these problems by getting the blood at the right time. Therefore, It manages the donation for servicies in the charity organization system.

Objective:

* Admin.
* Donor.
* Hospital.

System actors:

System requirements:

1. Register -> Allowing all users to register with their credentials.
   1. Donors (name-blood type-email-phone-address).
   2. Hospitals (name-email-phone-address).

2. Login -> Allowing all users to login using username and password.

3. Logout -> Allowing each user to logout from his account.

4. Request to donate -> Allowing donor to add request for donation and specify blood type.

5. Admin panel -> Allowing admin to do the following:

* 1. Delete donor information.
  2. Update amount needed for each blood type.
  3. Request for new donation.

6. Hospitals can show all donations or specify a certain blood type.

7. Donation report -> For each donation, system stores information about donation as blood type, date and time for receiving donation from donor.

8. System software tools -> Visual studio.Net – Microsoft SQL management. Outcome -> Desktop application.