

# FUNCTIONAL REQUIREMENT

- Access Website:

User should be capable to access web-application through either an application browser or similar service on the PC. There should not be any limitation to access web-application.

- User Registration:

Given that user has accessed web-application, then the software operator should be able to register through the web-application. The software operator must provide first name, gender, blood or plasma group, location, contact, username and password.

- User Login:

Given that the user has registered, then the user should be able to login to the web-application. The login information will be stored on the database for future use. The user will give username and password and it will be authenticated.

- Switch to Donor or Receiver:

User has an option to switch and to be either a Donor or Receiver or both.

- Request Blood plasma:

User could specify which Blood Type they want.

- Select Donor:

User can select the donor who there want from the list of donors.

- View Request:

Donor can view the request send by the user.

- User logout:

When they are finished user can logout.

## **NON-FUNCTIONAL REQUIREMENT**

- **Environment:**  
The System must be working in latest operating system environments like windows 7, windows 8, windows 10 and on linux.
- **Security:**  
The System must be secured with proper username and passwords.
- **Useability:**  
The System must have a good looking user friendly interface.
- **Availability:**  
The System must be available 24 hours a day with no bandwidth issues.
- **Performance:**  
The System must perform well in different scenarios.