

Project Design Phase - 2
Solution Requirement (Functional and Non - Functional)

Date	14 - 10 - 2022
Team ID	PNT2022TMID34946
Project Name	Plasma Donor Application

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This system is really use to find a suitable plasma donor for the patient who is in need of blood immediately. By finding the suitable plasma donor the patient's life can be saved.
NFR-2	Security	The details of the donors are stored in IBM Cloud using docker and kubernetes technology so the security of the application is high.
NFR-3	Reliability	The consistency and the quality of the web application is maintained by providing regular updates and proper maintenance.
NFR-4	Performance	The performance mostly depends on the users who is in search of blood and it gives the faster information about the donors who are located in the user's same location. It gives more priority to the certified blood donors. It gives the location of the donor whether he/she is active or inactive. When the user requests for blood suddenly the system gives the notification to the available donors with particular blood group.

NFR-5	Availability	The availability of the solution is effective and it should be helpful to the patient in need of blood. This web application can be utilized by every person in each corner of the world.
NFR-6	Scalability	It is scalable enough to store the every user's information in databases. It can give access to the every users to use the web application faster and reliable.

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR NO.	FUNCTIONAL REQUIREMENTS (EPIC)	SUB REQUIREMENT (STORY/SUB-TASK)
FR-1	Login	The user needs to login using the login credentials.
FR-2	User registration	If the user is new to the web application then the user should register in the web application.
FR-3	Donor registration	The donor registration should be done by the donor by providing the required information.
FR-4	Verified donor	To become a verified donor the donor should send request to the admin along with the required information and documents.
FR-5	User request for blood	User can able to search the particular plasma donor and can able to access the contact details of the particular donor

FR-6	Admin login	Admin can able to login using the separate login credentials and verify the request send by the donor.
FR-7	Update the profile	The donor can able to update the profile after donation
FR-8	Feedback	The user can able to post feedback about the donor.