

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	10 October 2022
Team ID	PNT2022TMID20350
Project Name	Project – Plasma donor application
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Access Website	Software operator should be capable to access web-application through either an application browser or similar on the pc.
FR-2	Software operator Registration	The software operator should be able to register through the web-application. The donor software operator must provide user name, gender, blood/plasma group, location, contact.
FR-3	Login/logout/update details	The login information will be stored on the database for future use.
FR-4	Search for donor	Search result can be viewed in a list. Each element in the list represents a specific donor with the donor details.
FR-5	View request	The plasma bank should be able to view received request and then respond to them.
FR-6	View distribution details	The plasma bank should be able to view the status of the distribution details.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The plasma donor application must have a good looking user friendly interface.
NFR-2	Security	The plasma donor application must be secured with proper user name and passwords.
NFR-3	Reliability	The plasma donor application should work properly, even when faults occur.
NFR-4	Performance	The plasma donor application must perform well in different scenarios.
NFR-5	Availability	The plasma donor application must be available 24 hours a day with no bandwidth issues.
NFR-6	Scalability	The plasma donor application should be able to increase or decrease in performance and cost in response to changes in application and system processing demands.