

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

Date	20 October 2022
Team ID	PNT2022TMID40392
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	<b>Access Website</b>	Software operator should be capable to access web- application through either an application browser or similar on the pc.
FR-2	<b>Software operator Registration</b>	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	<b>Login/logout/update details</b>	The login information will be stored on the database for future use.
FR-4	<b>Search for donor</b>	Search result can be viewed in a list. Each element in the list represents a specific donor with the donor details.
FR-5	<b>View request</b>	The plasma bank should be able to view received request and then respond to them.
FR-6	<b>View distribution details</b>	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	<b>Usability</b>	The plasma donor application must have a good looking user friendly interface.
NFR-2	<b>Security</b>	The plasma donor application must be secured with proper user name and passwords.
NFR-3	<b>Reliability</b>	The plasma donor application should work properly, even when faults occur.
NFR-4	<b>Performance</b>	The plasma donor application must perform well in different scenarios.
NFR-5	<b>Availability</b>	The plasma donor application must be available 24 hours a day with no bandwidth issues.

NFR-6	<b>Scalability</b>	The plasma donor application should able to increase or decrease in performance and cost in response to changes in application and system processing demands.
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