

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

Date	03October 2022
Team ID	PNT2022TMID15493
Project Name	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	Access through mobile application. Access web application through Browser.
FR-2	User Registration	Register through mobile/web application. Registration through Form. Registration through Gmail. Registration through LinkedIn.
FR-3	User Confirmation	Confirmation via Email. Confirmation via OTP.
FR-4	New Releases	Look for updates while accessing web application.
FR-5	User login	Login using credentials in web /mobile application. Login information will be stored on Database.
FR-6	Request Blood	Request to hospital/public via web /mobile application. Check inventory for availability.
FR-7	Order confirmation	Check order details through application. Confirm order and deliver to the location.
FR-8	View Delivery Status	Track the delivery men location using browser/ maps. Call delivery man using mobile phone.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The cost of the Blood Units are standardized.
NFR-2	Security	Security systems need database storage just like many other applications. However, the special requirements of the security market mean that 15 vendors must choose their database partner carefully.
NFR-3	Reliability	If there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disk crash, the recovery method restores a past copy of the database that was backed up to archival storage (typically tape) and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed up log, up to the time of failure.
NFR-4	Correctness	The Blood Unit sent by the Blood Bank should be matched with the requested Blood Unit by the Hospital, which should reach the correct destination(Requested Hospital).
NFR-5	Availability	The system including the offline and online components should be available 24/7
NFR-6	Extensibility	Requirements for website extensibility in case there is a need to add new functional requirements.
NFR-7	Maintainability	The Blood Inventory Manager should maintain correct records of the Blood Inventory Stock.