

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

Date	27 October 2022
Team ID	PNT2022TMID48288
Project Name	PLASMA DONOR APPLICATION
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Description
FR-1	User Registration	Registration to plasma donor application is done by submitting the details of donors in the form in plasma donor application and through LinkedIn.
FR-2	User Confirmation	Users will be confirmed by sending them OTP through Gmail or phone number they provided.
FR-3	User Login	User can be login through submitting the login form by the details they provided in registration (i.e., username, email, password). The user can login when they provide the valid information.
FR-4	Plasma Donor	The user of our application is of two types. (i.e., The plasma donor and the plasma receiver). The donor should enter the full details such as blood group, location, contact information etc... The donor receives a notification when a receiver send a request to the donor.
FR-5	Plasma Receiver	The receiver of plasma can be classified into two types. (i.e., patient and client /blood banks). Both can send a request to the donor and can contact them directly through contact information they provided. The plasma receiver can also register as a donor to donate a plasma.
FR-6	User Logout	Both the Donor and Receiver can logout the application by clicking on logout in the application.

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should be user-friendly and can be useful to all patients/receivers
NFR-2	Security	The application should provide high security by enabling the user to login with username and password. The details of donors should be protected safely and should be used only by the plasma receiver/patients.
NFR-3	Reliability	The application should provide high reliability by offering the plasma donors by precaution measures.
NFR-4	Performance	The system should be performed in all the situations.
NFR-5	Availability	The application should provide 24*7 services and be available in all situations.
NFR-6	Scalability	The application should be highly scalable and can store the details of various donors and the receiver can access the details of donors.