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

Date	03 October 2022
Team ID	PNT2022TMID43028
Project Name	Project – Plasma Donor Application
Maximum Marks	4 Marks

Functional Requirements:

Functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login Using the credential we have used during registration
FR-4	User Permission	User must given permission access to the search engine. So the intelligent system can detect plasma donors
FR-5	Using the intelligent system	User will use the intelligent system to collect the donor and save their information

Non-functional Requirements:

Non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	To enhance and improve donors' blood donation digital experience, by understanding the problem space with regards to a decrease in repeat donors. Improving existing features and proposing new features in the existing app which contributes to the overall business goal of increasing repeat donors.
NFR-2	**Security**	The Online Blood Donation Management System, the purpose of which is to act as a bridge between a person who needs blood, a patient, and a blood donor. The design of an automatic blood system has become an integral part for saving the human lives, who need the blood under different situations. Since, there are various drawbacks of the pre-existing system like privacy issues for the donors, which are getting reflected directly on the interface. Thus, we have designed a robust system that will create a connection between different hospitals, NGOs, and blood banks to help the patient in any difficult situation. Thus, HIPPA model provides a

		backbone for security breaches The interface designed will be easy-to-use and easy to access and will be a fast, efficient, and reliable way to get lifesaving blood, totally free of charge.
NFR-3	**Reliability**	Plasma Life is a Plasma & Blood Donation App ,which puts the power to save a lives in the palm of your hand. The main purpose of Plasma Life App is to create & manage a platform for all donors of the world & remove the recent crisis .
NFR-4	**Performance**	At Software Things we focus on building real engagement with the help of apps. We want our products to be useful for users, and this was also the case with the 'Bliscy Krewni' (a wordplay related to blood) application. It was especially important considering the major goal the app was aimed to achieve – increasing the number of blood donations. **We knew that donating blood saves lives, therefore we wanted to give users what they need to donate blood**.
NFR-5	**Availability**	• Get a real-time view of current appointment availability • Book and manage appointments anytime, 24/7 • Find where to donate close to your current location • Receive messages when we need your help • Find out more about your blood type • See your donation milestones • Check guidelines about medicines, health conditions and travel
NFR-6	**Scalability**	Plasma types can be distinguished according to the method of collection (recovered or apheresis plasma), the donor remuneration status (paid, compensated or unpaid donors), and according to whether the plasma is polyvalent or hyperimmune regarding antibody content. In the present study, we compared the plasma protein compositions of recovered plasma and source plasma in fractionation pools, each pool being made with donations collected within a single country