

Project Design Phase - II

Functional Requirements

Date	15 October 2022
Team ID	PNT2022TMID17680
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	User should be capable to access web-application through user registration web site portal.
FR-2	User Registration	The user should be able to register through the web site portal. The donor user must provide user name, gender, blood/plasmagroup, 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	Admin plasma request	Admin user (Hospital or blood bank) can create a plasma request on their portal which can be viewed in donor(user) portal and they can accept or decline. Once the request has been accepted, they get an email.
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 application prevents the donors and recipients' data from being hijacked or misused
NFR-3	Reliability	It gave the reliable information to the user, because the register donors are well reliable person. So, reliability is high.
NFR-4	Performance	The application tries to provide quick responses to the recipients.
NFR-5	Availability	The plasma donor application must available 24 hours a day with no bandwidth issues.
NFR-6	Scalability	The application can handle more users and evolve concurrently as per needs