

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID54477 |
| 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 | User Registration | Registration through Email and Social media accounts |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Login | Login through registered email id |
| FR-4 | Recipient Request | The recipient makes request for blood type for plasma |
| FR-5 | Donor Request Alert | The Donor gets alerted through email |
| FR-6 | Closed Request Verification | Donor gets an e-certificate and notification for next donation once donation is completed |
| FR-7 | Awareness and Information | Users can look up the benefits of plasma donation and information related |
| FR-8 | Chat Assistant | Helps to solve queries related to donation within the app |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | This app is easy to use, easy to learn and navigate. Tasks such as booking a donation appointment could be completed in few steps and no instructions and training are required and this app is usable by people of all age group. |
| NFR-2 | Security | This is a secure web application plus a secure database system that provides a safe environment for patients, doctors and transplant centers to create online profile for patients seeking living donors of plasma. Fake login and bots are carefully removed. |
| NFR-3 | Reliability | All information that the user enters into the app is voluntary and the user can cease the |

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| | | usage at any time and delete their profile. If the user has shared any information through social network portals, it can also be removed. This app creates a friendly bond with the donors. |
| NFR-4 | Performance | There is no lag during usage and the user can experience a glitch free usage. The user also gets route and tips on how to travel conveniently to the donation point. |
| NFR-5 | Availability | This App will be available on Google Play store and App Store and also in web. |
| NFR-6 | Scalability | This Website has ability to handle multiple donors at a time and provides users with good user experience and reacts fast according to growing number of requests. |