**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 Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Profile | The details of user such as name, gender, health conditions and blood group should be entered. |
| FR-4 | Statistical Data | Statistics show that a tremendous amount of blood is needed plasma is needed to recover the illness.So, all the data should be recorded for future need. |
| FR-5 | Analysis Process | The Registered donor’s medical history should be analysed and check whether it meet the customer’s requirement. |
| FR-6 | Donation estimation | Plasma Donor Application is created and all the data is collected and stored in IBM cloud. |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The interface of the Plasma donor application must be attractive and user-friendly. |
| NFR-2 | **Security** | Proper user names and passwords must be used to safeguard the blood bank management system. |
| NFR-3 | **Reliability** | All the data in the System must be accurate and reliable. |
| NFR-4 | **Performance** | The System must perform well in different scenarios. |
| NFR-5 | **Availability** | It must be available 24 hours a day with no bandwidth issues. |
| NFR-6 | **Scalability** | The System must fulfil on storage requirements, today and in the future. The Blood bank Management System must be scale up for increasing volume demands. |