Project Design Phase-II

Solution Requirements (Functional & Non-functional)

|  |  |
| --- | --- |
| Date | 13 October 2022 |
| Team ID | PNT2022TMID14299 |
| Project Name | Personal Assistance for Seniors who Are Self-  Reliant. (Medicine reminder) |
| 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 Form  Registration through Gmail Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Login | login through User Id and Password. |
| FR-4 | Network Connectivity | via wifi /mobile data. |
| FR-5 | IBM IoT Platform | Access cloud storage via internet and it gives  medication information. |
| FR-6 | Node-RED | Uses to transfer the data from IOT platform to UI  platform and helps in storing the data. |

# Non-functional Requirements:

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | It can easily track and monitor the medication time  of users and share the information to the caregivers. |
| NFR-2 | **Security** | The cloudant database is highly secured and it  prevents data from hacking. |
| NFR-3 | **Reliability** | The prescription of medication for users is assured  all the time. |
| NFR-4 | **Performance** | It reminds users to take their medications and get them refilled, warns about drug interactions, and  assists caregivers in managing prescriptions. |
| NFR-5 | **Availability** | To keep track the medication of users. |
| NFR-6 | **Scalability** | The users can set the time for their medication and also can adjust how much medication to take within  the application. |