

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

Date	14 October 2022
Team ID	PNT2022TMID52175
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 Wi-Fi /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	<b>Usability</b>	It can easily track and monitor the medication time of users and share the information to the caregivers.
NFR-2	<b>Security</b>	The cloudant database is highly secured and it prevents data from hacking.
NFR-3	<b>Reliability</b>	The prescription of medication for users is assured all the time.
NFR-4	<b>Performance</b>	It reminds users to take their medications and get them refilled, warns about drug interactions, and assists caregivers in managing prescriptions.
NFR-5	<b>Availability</b>	To keep track the medication of users.

NFR-6	<b>Scalability</b>	The users can set the time for their medication and also can adjust how much medication to take within the application.
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