

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

Date	03 October 2022
Team ID	PNT2022TMID27535
Project Name	Personal Assistance for senior citizens who are self-reliant
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 via username and password
FR-4	Network connectivity	Mobile data/Wi-Fi
FR-5	Node-Red	Sends the message from Web App to Iot device at the scheduled time using MQTT protocol.
FR-6	IBM Cloudant DB	For storing user details and medicine details on cloud.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It tracks the medication time and signals the user when it's time to take the medicine
NFR-2	Security	IBM Cloudant DB is highly secure from various attacks
NFR-3	Reliability	The app sends scheduled messages to take the medicine on time without any latency.
NFR-4	Performance	The system manages the overall user interaction and increases the efficiency of taking the medicine at the right time.
NFR-5	Availability	The system functions round the clock when connected to the internet.
NFR-6	Scalability	The users can schedule a large number of medicines to be taken in a day using the app