

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

Date	14 October 2022
Team ID	PNT2022TMID42536
Project Name	Personal assistance for seniors who are self-reliant

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Uploads	Interacts with User and plays a vital role for the senior citizens who don't need a caretaker to take their medicines.
FR-2	User Selection	Knowledge about the medicines is quiet enough for the selection
FR-3	User Input	An app is built for the user (caretaker) which enables him to set the desired time and medicine
FR-4	User Output	The output will be given by a voice commands to the user.
FR-5	User Storage	IBM CLOUDANT DB is used for storage

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	IOT device verifies the usability is a special and important perspective to analyze user requirements, which can further improve the design quality. In the design process with user experience as the core, the analysis of user's product usability can indeed help designers better understand user's potential.
NFR-2	Security	As IBM CLOUDANT DB is used it is more safer to store the details of the medicine an name of the medicine and time so it can be efficiently and safely used by the user.
NFR-3	Reliability	Defect free. Higher accuracy rate. Performs correctly in every scenario.
NFR-4	Performance	Since IBM CLOUDANT DB is used to store the medicine name it send the medicine name to the IOT devices and notify through a voice command and thus in which it plays a very good performance.
NFR-5	Availability	Available for user at any time when there is a need of medicine.

NFR-6	Scalability	Scalability of the device is very efficient and it is more portable for user to carry which will remaind the user to take medicine on right time.
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