

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

Date	15 October 2022
Team ID	PNT2022TMID13510
Project Name	Personal Assistance for Seniors 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	Device Registration	Registration through phone number Registration through OTP
FR-2	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-3	User Confirmation	Confirmation via Email Confirmation via OTP
FR-4	Medication Registration	Registration through Patient Name Medication Details
FR-5	Medication Alert	Alert through Message Alert through buzzer Alert through Alarm
FR-6	Stock Alert	Alert through Message

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system offers efficiency for data backup. The system will track every mistake as well as keep a log of it.
NFR-2	Security	The system needs the patient to recognize herself or himself using the phone. Any users who make use of the system need to hold a Logon ID and password.
NFR-3	Reliability	Reliability specifies how likely the system or its element would run without a failure for a given period of time under predefined conditions.

		Traditionally, this probability is expressed in percentages.
NFR-4	Performance	The system provides acknowledgment in just one second once the 'patient's information is checked. The system needs to support at least 1000 people at once. The user interface acknowledges within five seconds.
NFR-5	Availability	The system is available all the time.
NFR-6	Scalability	Scalability assesses the highest workloads under which the system will still meet the performance requirements. There are two ways to enable your system scale as the workloads get higher: horizontal and vertical scaling.