

NALAIYA THIRAN

PROJECT DESIGN PHASE-II

REQUIREMENT ANALYSIS (FUNCTIONAL & NON-FUNCTIONAL)

USER CASE: 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 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.

NFR 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 cloud ant 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.