

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID40129
Project Name	Project – A 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	User Registration	Registration through Gmail. Registration with Mobile number.
FR-2	User Confirmation	Confirmation via Email. Confirmation via OTP.
FR-3	User Profile	Filling The profile page after logging in.
FR-4	Access cloud service	Access the cloud service with correct login and IOT credentials. Store the details in database. Retrieve needed information for the users operation.
FR-5	IOT Configuration	Fine tuning the IOT device based on reference. Access the cloud DB via device, manage the request and response effectively.
FR-6	Users Medical Information	In the app, Enter your medicine details with date. Then set the time in the app for alarm remainder.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<p>The system should be user-friendly for the user.</p> <p>The system allows the user to perform the tasks easily, effectively and efficiently.</p> <p>It alerts the users through voice commands.</p>
NFR-2	Security	<p>Assuring all the data are inside the system or database protected from malware attacks.</p> <p>The login information should not be accessed by any other users than the respective user.</p>
NFR-3	Reliability	<p>It is highly reliable since, it uses trusted cloud services like IBM.</p> <p>The user data will be updated and examine certain period of time.</p>
NFR-4	Performance	<p>Performance measurements include: Quality and efficiency of Senior care. Give Effective services.</p> <p>Disparities in performance care outcomes.</p> <p>It works without any connection interruption.</p> <p>Response Time and Net Processing Time is fast.</p>
NFR-5	Availability	<p>The system will be available up to 90% of time.</p> <p>It will be available in the form of mobile app and can be used by any registered user from any place.</p> <p>Additional features will be added in the next version.</p>