

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	24 October 2022
Team ID	PNT2022TMID10261
Project Name	Project - 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 Form Registration through Mobile number Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP

FR-3	Personal Information	Gathering patient's bio data and medicine history
FR-4	Scheduling	<p>Doctor medicine prescription</p> <p>Doctor's appointment.</p> <p>Suggestion of food plan by nutritionist.</p>
FR-5	Reminding the medicine timings	<p>Alert the person to take medicine with the correct dosage and medicine name.</p> <p>Remind the doctor's appointment.</p> <p>Remind everyday's diet plan.</p>
FR-6	Emergency alarm	<p>Doctor and caretaker gets the alarm when the person's health is abnormal, which is indicated by heart rate fluctuations or if any fall is detected.</p> <p>Caretaker gets the alarm for the person's missed medicine.</p>

FR No.	Non-Functional Requirement	Description
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NFR-1	Usability	Caretaker/doctor can easily schedule medicine timings through his/her dashboard. The person can acknowledge the medicine intake using a simple UI.
NFR-2	Security	The person's information is secured by providing access permission only to the

Non-functional Requirements:

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

		corresponding registered caretaker and doctor.
NFR-3	Reliability	The application is reliable because of authentication of users and providing database updates regularly.
NFR-4	Performance	The application uses virtual sensors, so the performance will be high. The modularization helps in improving the performance of the application.
NFR-5	Availability	The services provided are available to the registered users.

NFR-6	Scalability	As we are using IBM cloud, our application supports many users at the same time.Hence, it is scalable.
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