Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	22 October 2022
Team ID	PNT2022TMID18070
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	Doctor medicine prescription Doctor's appointment. Suggestion of food plan by nutritionist.
FR-5	Reminding the medicine timings	Alert the person to take medicine with the correct dosage and medicine name. Remind the doctor's appointment. Remind everyday's diet plan.
FR-6	Emergency alarm	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. Caretaker gets the alarm for the person's missed medicine.

FR No.	Non-Functional Requirement	Description

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.