

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

Date	14 October 2022
Team ID	PNT2022TMID32891
Project Name	Project – Nutrition Assistant Application
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 Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Providing Healthy Diet Plan	Add Diet plans based on their BMI and amount of fat content taken by user.
FR-4	Recommend Exercises	Track how much fat content does user eat in that day.
FR-5	Set Reminder	User will able to set reminder to schedule their exercises.
FR-6	Provide how much water user have to take per day	Based on their BMI, we display how much water they have to take per day.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The web app helps to estimates the amount of calorie present in the food by classifying the input image of the food.
NFR-2	Security	This web app effectively manage the security of its application systems, protecting information from unauthorized access, modification or destruction in order to provide integrity, confidentiality and availability.
NFR-3	Reliability	This application operates without failure while in a specified environment.
NFR-4	Performance	User wants to know how much calories they take in a day, they have to upload the images of the food they eat. If users take more amounts of calories in a day, the app suggests some simple exercises to lose the amount of fat added to their body. BMI based diet plans will be recommended.

NFR-5	Availability	Fitness apps are like a one-stop station where you can monitor all your lifestyle parameters like step count, diet, water intake, blood parameters and workout routine.
NFR-6	Scalability	<p>Users can track their calories by uploading the images of the food.</p> <p>Physical activity observation. This feature will require an additional gadget similar to Mi Band that tracks steps, sleeping activity, heart rate, etc.</p>