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

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Date	16 October 2022
Team ID	PNT2022TMID28040
Project Name	Project – Nutrition Assistant Application
Maximum Marks	4 Marks

Functional Requirements:

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.

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	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.

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**	Users can track their calories by uploading the images of the food. Physical activity observation. This feature will require an additional gadget similar to Mi Band that tracks steps, sleeping activity, heart rate,etc.