

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

Date	03 October 2022
Team ID	PNT2022TMID24575
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 E-mail ID or Phone number.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Profile Completion	Obtain personal details like Height, Weight, Age, Gender, Health issues and calculate BMI.
FR-4	Obtain image of the meal	Upload an image of the meal.
FR-5	Classify the meal	Use the Clarifai API to obtain the name of the food from the uploaded image.
FR-6	Display calorie information	Using the food name obtained from Clarifi API use the Nutrition API (rapid API) to collect the calorie information of the meal and display it to the user.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Provide user friendly User Interface. Provide an intuitive and simple design.
NFR-2	Security	Provide a comprehensive authorization and authentication scheme for every user.
NFR-3	Reliability	The application must be able to perform without failure or very minimal negligible failure at around 95% of the use cases.
NFR-4	Performance	The response time of every landing page must be as fast as possible and in no case must exceed 5 seconds.
NFR-5	Availability	The services must be available to the users at anyplace and at any time.
NFR-6	Scalability	Provide horizontal or vertical scaling for higher workloads.