

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID53670
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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User profile completion	Collecting users information like height , weight etc
FR-4	Meal image	Uploading live image of food
FR-5	Display calorie information	Integrate the Clarifai API to obtain the food's name. Utilize Nutrition API (rapid API) integration to gather calorie data.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Effortless and clear design User friendly
NFR-2	Security	Integrated authentication and authorisation protocols for each system
NFR-3	Reliability	95 percent of use cases must result in perfect performance from the system
NFR-4	Performance	The landing page supporting multiple users must have a response time of no more than five second
NFR-5	Availability	Services must always remain uninterrupted, with the exception of when servers are being updated
NFR-6	Scalability	For high workloads, provide either horizontal or vertical scaling.