

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

Date	14 October 2022
Team ID	PNT2022TMID44856
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
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 Google+ Registration through Email Registration through Phone Number
FR-2	User Confirmation	Confirmation via Email Confirmation via mobile OTP
FR-3	User Login	Confirmation via Mail or User_Id & Password
FR-4	User Informations	By filling a Personal Info page that contains Basic details, BMI, Blood Group, Individual Body Deficiency, Special Medical Condition, Preference of Use.
FR-5	Dashboard information	This collects certain information from the user by asking questions like for what purpose you are here?
FR-5	Home Page	A neat Home page that contains A Camera Button, Interesting Facts and recipes
FR-6	Capturing Image	By Clicking Camera icon on the Home page the camera will be opened and the user can take a picture of a Subject(Food) and the Application shows him/her the results of Nutritions that Subject Contains
FR-7	User Profile	Users need to fill a page that Contains Personal information and so on
FR-8	Tab (Diet Plan)	User will get a Diet Plan Chart According to their Body Conditions
FR-9	Tab (Workout)	User will get a Appropriate Workout Plans and Exercises
FR-10	Tab (Random Tips or Healthy Tips)	User will get a daily Healthy Tips, And They can add those tips to their Remainder and Dashboard
FR-11	Steps and Calorie Tracker	Using Location of a User and Traveling Distance By

		walk will be calculated and shown in Dashboard
FR-12	Chat box	We provide a ChatBox to Interact with all Users

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none"> • User Friendly Interface and Free to Use • Voice Assistance • Friendly and attractive Chat Bot
NFR-2	Security	<ul style="list-style-type: none"> • Every Data of a User will be Maintained in a Secure Manner • 2 Step Authentication • App Lock
NFR-3	Reliability	<ul style="list-style-type: none"> • Every actions will be Saved in IBM Cloud • No Third-Party Access
NFR-4	Performance	<ul style="list-style-type: none"> • Data Saver • Dark Mode/Night Mode • Reduce the usage of images in Frontend so that the web app can load faster
NFR-5	Availability	<ul style="list-style-type: none"> • It is a Web Application so that it can run on any device which has the Basic Requirements (Display, Camera, Browser) • Available in Play Store
NFR-6	Scalability	<ul style="list-style-type: none"> • It is a Web Application so that it can run on any device Like Mobile and Desktop • It can be Updated Easily • We Can Convert it into a Normal App in Future • We can use it in a Various Platforms