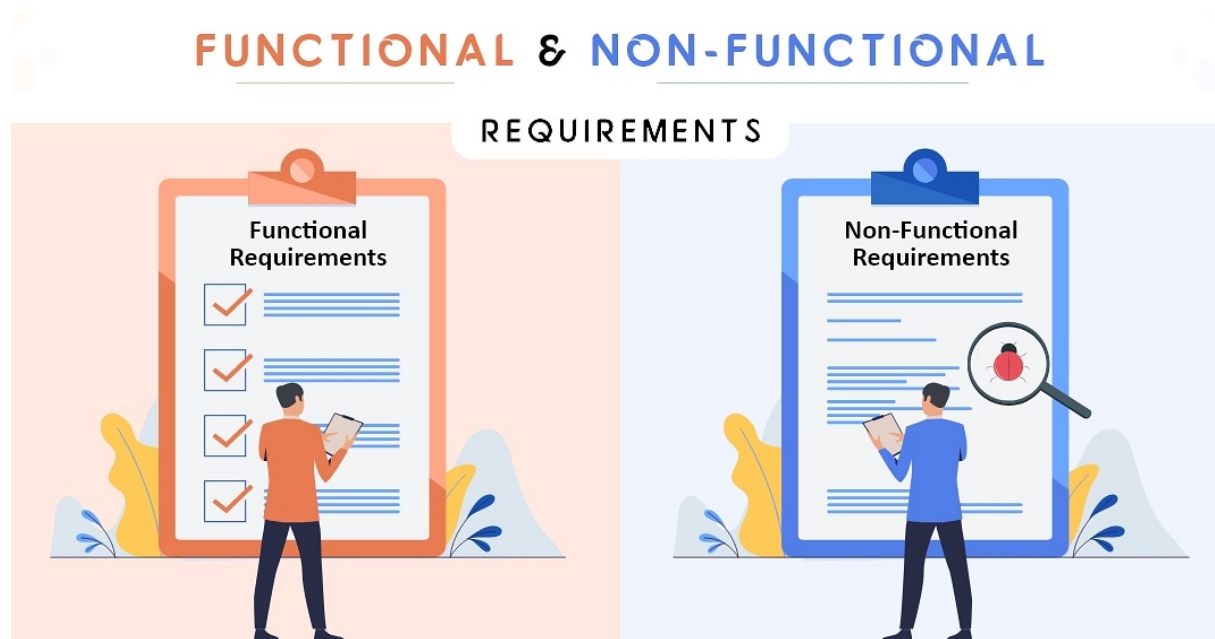


Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	23 October 2022
Team ID	PNT2022TMID09928
Project Name	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 Form Registration through Gmail Registration through Facebook
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Authentication	Authentication through Account password Authentication through Google Account password Authentication through Social Media Accounts
FR-4	Record User Preferences	Record user Food type (Flex, Egg, Non-veg, Fish) Record user Food allergies Record user Health condition (Diabetic, Cardiac, Obese)
FR-5	Setup Calorie Counter	Set up Calorie Burn Target Set up Calorie Intake Target Set up Water Intake Target Set up Gym time target
FR-6	Record User Personal Info	Record user daily weight Record user daily height Calculate user BMI

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Using any up-to-date versions of web browsers, javascript enabled and active Windows or Mac or Ubuntu Operating System.
NFR-2	Security	User data stored encrypted in MongoDB database, AWS S3 Buckets with additional security groups and IBM cloud Storage Security
NFR-3	Reliability	The quality of the application and the desired outcomes is trustworthy and reliable for any users
NFR-4	Performance	Provides smooth and comfortable user Interface and User Experience
NFR-5	Availability	The server availability is cloud based and can be accessed anytime anywhere.
NFR-6	Scalability	Since the product is cloud based, it provides auto scaling features and flexibility for user data.