

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID32306
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	Register	Input data: Name, address, phone number, email id, date of birth, gender, height, working hours, eating habits, medical history, username and password. Processing step: The user who is new to the app must register. Output Data: The user has registered in the app and has valid credentials.
FR-2	Login	Input data: E-mail id or phone number and password. Processing step: User can now login in the app. Output Data: The user can use the application and get to home screen
FR-3	Choose package	Input data: Name, offers, features, duration of the package. Processing step: The user will select the desired package. Output Data: Proceed to payment gateway.
FR-4	Generate the daily plan	Input data: Day of the week. Processing step: Suitable diet and exercise plan will be made for user. Output Data: Diet and exercise plan will be provided to the user.
FR-5	Manage progress report I	Input data: Height, weight, working hours, eating habits, medical history Processing step: Gathering information from database and generating report Output Data: Progress report.
FR-6	Query	Input data: User query. Processing step: The user can ask for changes in plan. Output Data: Updated plan (may or may not be available).
FR-7	Payment	Input data: Credit card number, month, year, CVV, amount. Processing step: The payment has to be made for the selected package. Output data: Status of package and confirmation message.
FR-8	Update the details	Input data: Height, weight, working hours, eating habits, medical history. Processing step: The details will be updated in the database. Output data: Updated details of the user
FR-9	Feedback	Input data: Reviews/suggestions. Processing step: Storing in the corresponding database. Output data: Feedback submitted.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It describes the context Who,What,When,Where and Why. The specific activities the requirements describe should reflect the both range of goal that the system must support and business goals for creating new system
NFR-2	Security	Security functionality that ensures one of many different security properties of software is being satisfied.Security requirements are derived from industry standards,applicable laws,and a history pf past vulnerabilities.
NFR-3	Reliability	It is the measure of the stability or consistency of the test score
NFR-4	Performance	It defines how well the software system accomplishes certain functions under specific condition.
NFR-5	Availability	It defines how long the IT system can be unavailable without impacting operations.
NFR-6	Scalability	It is the measure of a system ability to increase or decrease in performance and cost in response