

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

Date	17 October 2022
Team ID	PNT2022TMID29771
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	Registration	This information includes age, body weight, height, food allergies, weight loss goals, desired weight, preferred diet, and many more. Moreover, there must be a sign-up option via email, Facebook, Twitter, or manually.
FR-2	Dashboard and food logging	After registration, the first thing your user should encounter is a screen or dashboard where the user can find all the information such as food intake, his/her progress in achieving fitness goals, and various nutritional and healthy eating tips.
FR-3	Push notifications	Push Notification is an important element of any mobile app as it is well-known for customer retention. You can use Push Notification to remind your user of their daily workout sessions or meals. Additionally, you can use it to motivate them to push more. Push Notification is like a double-edged sword.
FR-4	Diet plan or user's goals	Once your user specifies the goal like desired weight goal, body type, food habits, and preferred food items, your app must suggest them with a proper diet accordingly. on demand diet and nutrition app diet plan or users goals .
FR-5	Barcode scanner	Embedding a Barcode Scanner would be a great feature for your app as it would assist your customers in shopping. It would provide important data such as calories and ingredients of the items with the help of your phone.
FR-6	Help	You must have help sections which must include all the FAQs along with a tutorial video which would act as a user manual. You can add a chat service too in case, a user still has some questions.

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Nutrition assistant app provides vital nutrients for survival, and helps the body function and stay healthy. Food is comprised of macronutrients including protein, carbohydrate and fat that not only offer calories to fuel the body and give it energy but play specific roles in maintaining health.
NFR-2	<b>Security</b>	The nutritional app has a security "exists when all people at all times have both physical and economic access to sufficient, safe and nutritious food that meets their dietary needs for an active and healthy life".
NFR-3	<b>Reliability</b>	Nutrition assistant application are effective in changing eating behavior and diet-related health risk factors. However, while they may curb growing overweight and obesity rates, widespread adoption is yet to be achieved.
NFR-4	<b>Performance</b>	The right nutrition combined with specific nutrient timing is crucial for every patient to enhance the recovery process. The app will provide step-by-step guidelines for how and which nutrients are necessary for specific patient should fuel their body for optimizing their performance.
NFR-5	<b>Availability</b>	The Nutrition assistant application had the greatest number of features in the dietary intake category. Additional dietary intake features were those most likely obtained through a subscription purchase. Behavior change content was absent from this app.
NFR-6	<b>Scalability</b>	The nutrition assistant application should possess enough data consistency to handle a growing number of users. Nutrition assistant application's scalability is directly linked to application's architecture