

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

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| DATE | 15 October 2022 |
| Team ID | PNT2022TMID48406 |
| Project Name | 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 |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | User Profile Completion | Get personal details like age, height, weight, etc. |
| FR-4 | Gather meal image | Upload photo Take live photo of the meal |
| FR-5 | Display Nutritional Value | It shows nutritional value through capturing the food image |
| FR-6 | Calorie counter | Calculate the calories capture through capturing the food image |
| FR-7 | Providing Healthy Diet Plan | Add diet plans based on their BMI and amount of fat content taken by user |
| FR-8 | Workout Plans | User add workout plans based on their activities and track how much fat content does user eat in that day |
| FR-9 | Set Reminder (Alter and Notification) | User can able to set reminder to schedule their exercise. |
| FR-10 | Assist nutrition analyst | User can consult and interact with nutrition analyst |
| FR-11 | Provide how much water user have to take per day | Based on their BMI, we display how much water they have to take per day |

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| FR-12 | Chatbot | User interact with chatbot to resolve their problem |
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Non-functional Requirements:

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

| FR No. | FR No. Non-Functional Requirement | Description |
|--------|-----------------------------------|--|
| NFR-1 | Usability | This app used to track calories and nutritional value of the food intake by the users .The food are classifying the input image of the food. |
| NFR-2 | Security | Unique ID and password provided. Assures all the data inside the system will be protected against unauthorized access. |

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| NFR-3 | Reliability | Error data tolerance and fault prevention. |
| NFR-4 | Performance | Responsive web application with high speed of performance, which supports many users per hour must provides fewer seconds or less response on desktop browser, including the rendering of text and image. |
| NFR-5 | Availability | Available on GOOGLE play store , IOS app store. User can interact it any time. |
| NFR-6 | Scalability | User can track their calories and nutrient value by uploading the image of the food .Physical activity observation and also track steps ,sleeping activity , heart rate , water consumption etc.... |