

Nutrition Assistant Application

Project Design Phase-II

Functional Requirements (Functional & Non-functional)

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID50416 |
| 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 | User Registration | Registration through Form Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Food Detection | Scanning by Clarifai's AI-Driven Food Detection Model |
| FR-4 | Nutrients Display | Display nutrients through IBM Cloud |
| FR-5 | User BMI Calculation | Calculating BMI accurately |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | Python as a programming language Flask as a Python framework IBM DB2 as a database support IBM Cloud as a cloud storage Docker as a software platform |
| NFR-2 | Security | Securely retain user identifiers such as user name and user details. |
| NFR-3 | Reliability | Reliable since it calculates BMI correctly and displays diet clearly. |
| NFR-4 | Performance | Give the user the best diet plan and relevant food analysis to encourage them to eat healthily. |

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| NFR-5 | Availability | Because all a user needs is a smartphone with a strong network connection, it is easily accessible. |
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