

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

| | |
|---------------|---|
| Date | 27 October 2022 |
| Team ID | PNT2022TMID02000 |
| Project Name | AI-POWERED NUTRITION ANALYSER 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 LinkedIn |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Login | User can login using their personal details and get the home screen of the application. |
| FR-4 | Choose Package | The user can select the package by looking into the offers, features, duration of the package., etc |
| FR-5 | Generate The Daily Plan | Suitable diet and exercise plans will be generated to the user. |
| FR-6 | Manage Progress Report | Gathering report from database and generating report. |
| FR-7 | Query | The user can ask for changes in their plans. |
| FR-8 | Payment | The payment is made for the selected package . |
| FR-9 | Update the details | The details like height, weight, working hours, eating habits, medical history., etc is updated in the database. |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | The system interface will be easy to use with quality attributes. |
| NFR-2 | Security | The user will be able to access only their personal information and not that of others. Medical condition and payment methods will be handled through a secured server to ensure protection of users credit card and personal information. |
| NFR-3 | Reliability | The average time of failure shall be 7 days. If the app crashes then the backup will be given in 7 days. |
| NFR-4 | Performance | The app will be properly programmed. The device, server, and network will be proper. The app will be in the way that the user themselves can perceive the performance of the app. |
| NFR-5 | Availability | The AI-Powered Nutrition analyser app will be available to the users 24/7. If any bug appears then it will be handled within 12 hours. |
| NFR-6 | Portability | User must have smartphones that supports later version. |
| NFR-7 | Maintainability | Any update or detect fixex shall be made on server-side computers only without any patches required by the user. |