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

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Team ID	PNT2022TMID04153
Project Name	AI-Powered Nutrition Analyzer for fitness enthusiasts

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 Web application Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Efficient for the frequent users.users can easily understand what the application does and feel satisfied with the system.
NFR-2	**Security**	Assures all the data inside the system will be protected against malware attacks or unauthorized access. This application must remain resilient in the face of attacks. The behaviour of the application must be correct and predictable.
NFR-3	**Reliability**	This application must perform without failure in 95 percent of use cases during a month.
NFR-4	**Performance**	This application supporting 1,000 users per hour must provide 6 seconds or less response time in a desktop browser, including the rendering of text and images, over an LTE connection.

| NFR-5 | **Availability** | The web dashboard must be available to user's 99.9 percent of the time every month during business hours EST. Users can access every time. |
| NFR-6 | **Scalability** | The application must be scalable enough to support 10,000 visits at the same time while maintaining optimal performance. |