

PROJECT DESIGN PHASE-II

FUNCTIONAL & NON-FUNCTIONAL REQUIREMENTS

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PROJECT NAME	AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

FUNCTIONAL REQUIREMENTS:

Following are the functional requirements for the proposed solution.

FR NO.	FUNCTIONAL REQUIREMENTS(EPIC)	SUB REQUIREMENT(STORY/SUBTASK)												
FR-1	USER REGISTRATION	-Registration via Gmail -Registration via Mobile Number -Registration via Face-book												
FR-2	USER CONFIRMATION	Confirmation through Email Confirmation through OTP												
FR-3	USER DETAILS	<div>PERSONAL DETAILS FOOD DETAILS</div> <table><tr><td>Age</td><td>Food</td></tr><tr><td>Height</td><td>Recipe</td></tr><tr><td>Weight</td><td>Added ingredients</td></tr><tr><td>Diseases if any</td><td>Age</td></tr><tr><td>Conditions is any</td><td></td></tr><tr><td>Allergies is any</td><td></td></tr></table>	Age	Food	Height	Recipe	Weight	Added ingredients	Diseases if any	Age	Conditions is any		Allergies is any	
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Weight	Added ingredients													
Diseases if any	Age													
Conditions is any														
Allergies is any														
FR-4	USER REQUIREMENTS	-The user simply inputs your recipe ingredients and amounts. -With already given details the system can alert the consumer if any content of their allergies ,it can alert the consumer The software will instantly produce an accurate readout of your dish in terms of nutritional analysis in a readable format that consumers are familiar												

NON-FUNCTIONAL REQUIREMENTS:

Following are the functional requirements for the proposed solution.

FR.NO	NON-FUNCTIONAL REQUIREMENTS	DESCRIPTION
NFR-1	USABILITY	<ul style="list-style-type: none">• No training is required to access the Nutrition Analyzer.• The results should be loaded within 30 seconds.• It should be user friendly and comfortable.
NFR-2	SECURITY	<ul style="list-style-type: none">• Help of the username and password it provides more security in which it can access more securable and the data are private.• It should be social-economic which should access to sufficient and safe to use.
NFR-3	RELIABILITY	<ul style="list-style-type: none">• It is Important that the AI powered nutrition analyzer for fitness provides should Must reliable.• How a person can find it is reliable? It is easy to find that is he/she can compare the nutrition based food with other nutrition related application so, it can easily rectify whether it is reliable or not.
NFR-4	PERFORMANCE	<ul style="list-style-type: none">• It should provide more number of users to consume at any time and at any place.• It should provide Reliability, Scalability, Security and Usability.• It should contain minimum data while over-paging the websites or application and it is necessary
NFR-5	AVAILABILITY	<ul style="list-style-type: none">• Easy to access Data.• Avoids Data redundancy and inconsistency.• Fast and Efficient.• User Friendly.

NFR-6	SCALABILITY	<ul style="list-style-type: none">• The architecture for AI powered Nutrition Analyzer for fitness provides the clear procedure daily consumption of food and helps the user to maintain a healthy diet.
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