Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	17 October 2022
Team ID	PNT2022TMID11872
Project Name	AI-Powered Nutrition Analyzer 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	Install and register through Gmail or google (two step verification) and updation of a profile.
FR-2	User Confirmation	Confirmation via mail
FR-3	User Uploads	Interacts with user interface and upload image which they want to analyze.
FR-4	User Accesability	Ordering nutrition powders,chat with nutritionist,analyzing food,access different diet charts and fitness tips,can solve their queries with nutritionist and can know the importance of food item.
FR-5	User Benifits	Have a knowledge about nutrients in food,lead a healthy life,knowing daily excercises necessary to live a peaceful life.
FR-6	User Instructions	Follow the diet charts and completing the daily tasks

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	An user friendly web application, dynamic and attractive user interface ,maintaning the records of users and easily satisfies the user needs.
NFR-2	**Security**	Users information in the web application are protected by advanced secuirity system. Implementation of proper logging. Keep your application up to date. Authentication.
NFR-3	**Reliability**	Fault less application. A piece of software operating without failure. The website's load time is not more than one second for users.
NFR-4	**Performance**	Fast and quick analyzation of food images, is done as a GPU used for the model is 10% more fast in analyzing and uploading the user uploaded the image. Occupation of less storage space.
NFR-5	**Availability**	Available in a google playstore ,in application diet charts,excersing tips,food analyzer through camera,online deliveries are available.
NFR-6	**Scalability**	It works in high speed authentication of people's information, quick response for queries from nutritionist, highly reliable, ontime delivery and provide appropriate informations.