Date	15-10-2022
Team ID	IBM-29269-1662616381
Project name	**AI based Nutrient analysis and fitness ethusiastics**
Maximum Marks	4 marks

FUNCTIONAL REQUIREMENTS

FR NO	Functional requirements(EPIC)	Sub Requirement (Story / Sub-Task)
FR-1	Register	**Input data:** Name, address, phone number, email id, date of birth, gender, height, working hours, eating habits, medical history, username and password. **Processing step:** The user who is new to the app must register. **Output Data:** The user has registered in the app and has valid credentials.
FR-2	Login	**Input data:** E-mail id or phone number and password. Processing step: User can now login in the app. **Output Data:** The user can use the application and get to home screen.
FR-3	choose pacakage	**Input data:** Name, offers, features, duration of the package. Processing step: The user will select the desired package. **Output Data:** Proceed to payment gateway.
FR-4	Generate the daily plan	**Input data:** Day of the week. Processing step: Suitable diet and exercise plan will be made for user. **Output Data**: Diet and exercise plan will be provided to the user.
FR-5	Query	**Input data:** User query. Processing step: The user can ask for changes in plan. **Output Data:** Updated plan (may or may not be available).
FR-6	manage progress report	**Input data:** Height, weight, working hours, eating habits, medical history Processing step: Gathering information from database and generating report **Output Data:** Progress report.
FR-7	payment	**Input data:** Credit card number, month, year, CVV, amount. Processing step: The payment has to be made for the selected package. **Output data:** Status of package and confirmation message.
FR-8	update the details	**Input data:** Height, weight, working hours, eating habits, medical history. **Processing step:** The details will be updated in the database. **Output data:** Updated details of the user
FR-9	Feedback	**Input data**: Reviews/suggestions. **Processing step:** Storing in the corresponding database. **Output data:** Feedback submitted.

Following are the non-functional requirements of the proposed solution

	Non-Functional Requirement	Description
NFR-1	Usability	User must have a smartphone that supports android 7 and later versions or ios 13 and later versions.
NFR-2	security	Users will be able to access only their personal information and not that of other users. Medical conditions and payment methods will be handled through a secure server to ensure the protection of user's credit card and personal information.
NFR-3	Reliability	The average time of failure shall be 7 days. If the app crashes then a backup should be given in 7 days.
NFR-4	Performance	Any updates or detect fixes shall be made on server-side computers only without any patches required by the user.
NFR-5	Availability	The dietician Swasthya App shall be available to users 24 hours a day, 7 days a week. If the bug appears then it should be handled within 12 hours.
NFR-6	Scalability	Probability of a piece of software operating without failure while in a specified environment over a set duration of time will be 85%.