Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	15October 2022
Team ID	PNT2022TMID32256
Project Name	Project – Nutrition Assistant Application
Maximum Marks	4 Marks
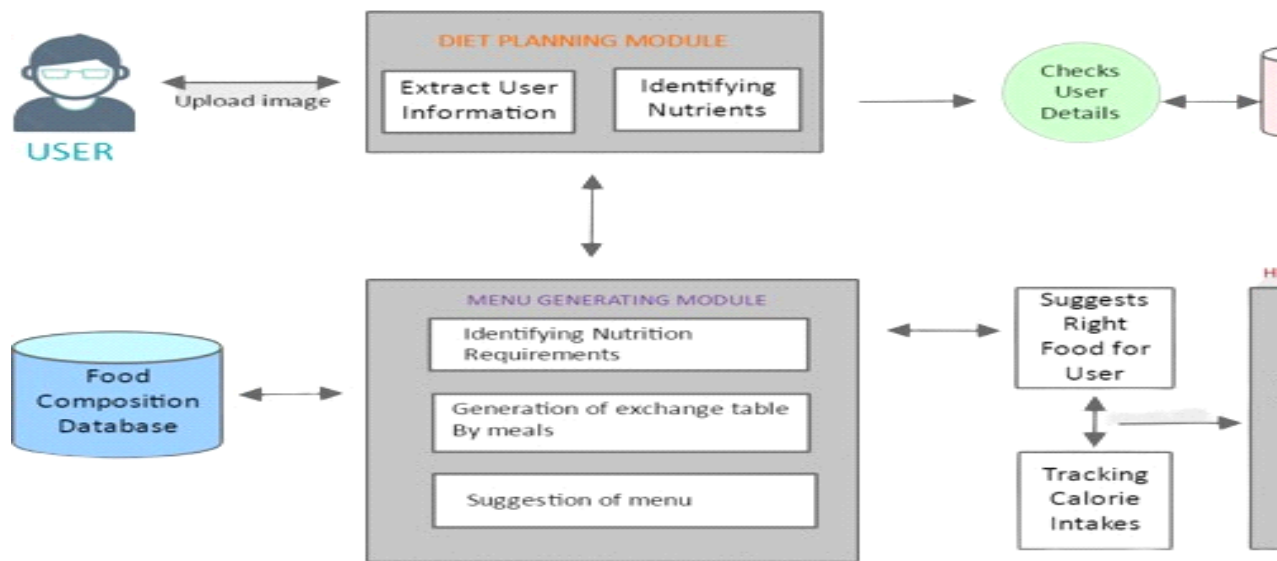
Table-1 : Components & Technologies:

S.No	Component	Descript on	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js /React Js etc.
2.	Login to the account	Authenticating the user	Java / Python
3.	Raising a ticket	User raises a ticket regarding the query	Flask
4.	Chat bot	User can interact with the bot	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.

S.No			
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8.	Clarifai's AI	To identify the image of food the AI used on theapplication	IBM clarifai's AI
9.	Infrastructure (Server / Cloud)	Application Deployment on Local System / CloudLocal Server Configuration: Cloud Server Configuration :	Docker, Cloud Foundry, Kubernetes, etc.

Table-2: Applicat on Characterist cs:

S.No	Characteristics	Descript on	Technology
1.	Open-Source Frameworks	Framework used to create website	Flask
2.	Security Implementations	This application effectively manages the securityof its application systems, protecting information from unauthorized access, modification, or destruction in order to provide integrity, confidentiality & availability .	SHA-256, Encryptions, IAM Controls,OWASP etc.
3.	Scalable Architecture	User's can track their calories by adding fooditems into the respective fields, so the system can calculate whether they consumed the required number of calories. Observes physical activity	Presentation tire-HTML?CSS,javascript
4.	Availability	Fitness apps are like to one-stop station where you can monitor all your lifestyle parameters like stepcount, diet, water intake, blood parameters	Web server

		and workout routine. This application have a huge positive impact on your health.	