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

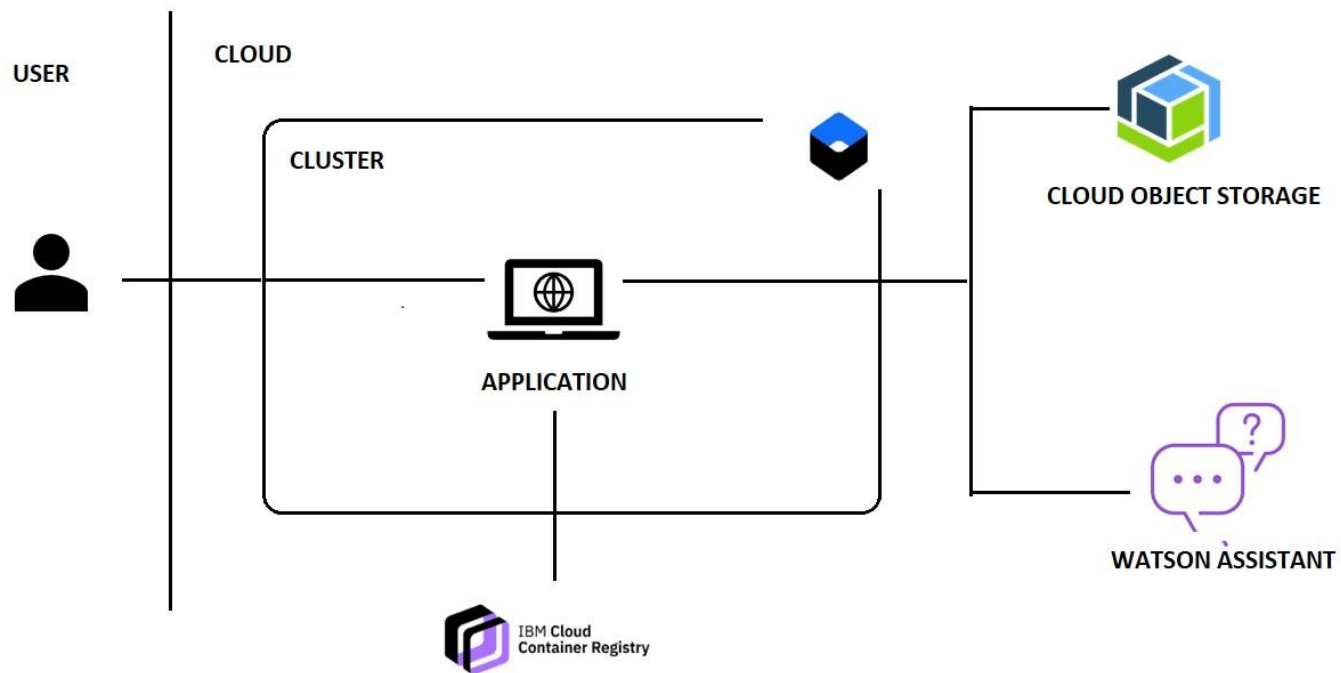| Date	11 November 2022
Team ID	PNT2022TMID39826
Project Name	Ai powered nutrition for fitness enthusiast
Maximum Marks	4Marks

TECHNOLOGYARCHITECTURE:

Table-1 : Components & Technologies:

S.No	Component	Description	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.	Application Logic-1	Logic for a process in the application	Java / Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
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.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Python flask
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g.Encryptions, antivirus etc.
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Ability to increase or decrease IT resource as needed to meet changing demand
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	For cloud infrastructure solutions, availability refers to time that the data center is accessible.
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	A field of practice that users various tools, processors, and ideas in a scientific, systemetic manner to improve the desired outcomes of individual and organisations.