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

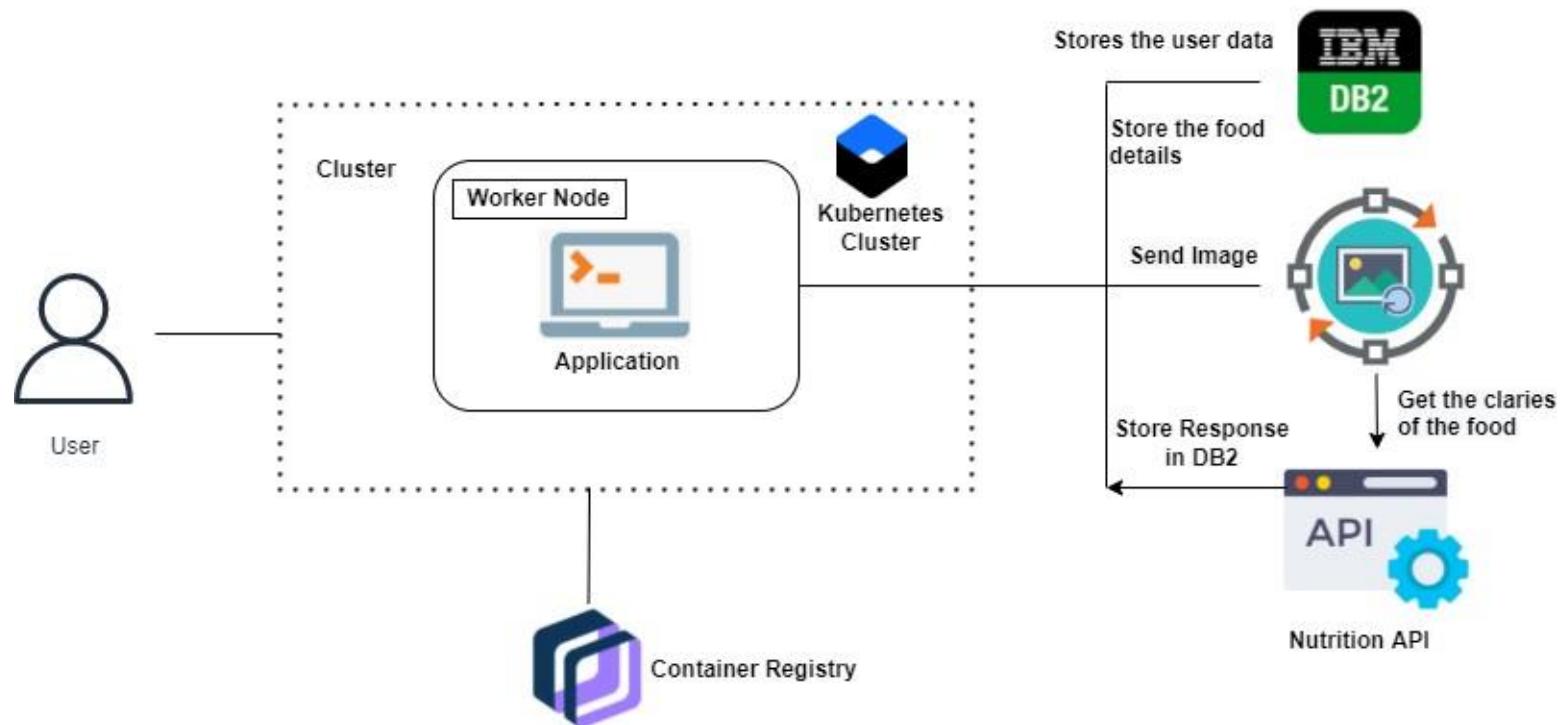| Date	25 October 2022
Team ID	PNT2022TMID26133
Project Name	Project – Nutrition Assistant Application
Maximum Marks	4 Marks

Technical Architecture:

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
2.	Application Logic-1	Logic for a process in the application	Python
3.	Cloud Database	Database Service on Cloud	IBM DB2
4.	File Storage	File storage requirements	IBM Object Storage
5.	Infrastructure (Server / Cloud)	Application Deployment on Cloud Cloud Server Configuration : Db2/python	Kubernetes

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask	Technology of Opensource framework
2.	Security Implementations	Password Hashing	SHA-256 Crypt,
3.	Scalable Architecture	supports higher workloads	Python flask
4.	Availability	Available 24/7	IBM Cloud
5.	Performance	500 requests per day	Rapid API