Project Design Phase-II

Technology Stack (Architecture & Stack)

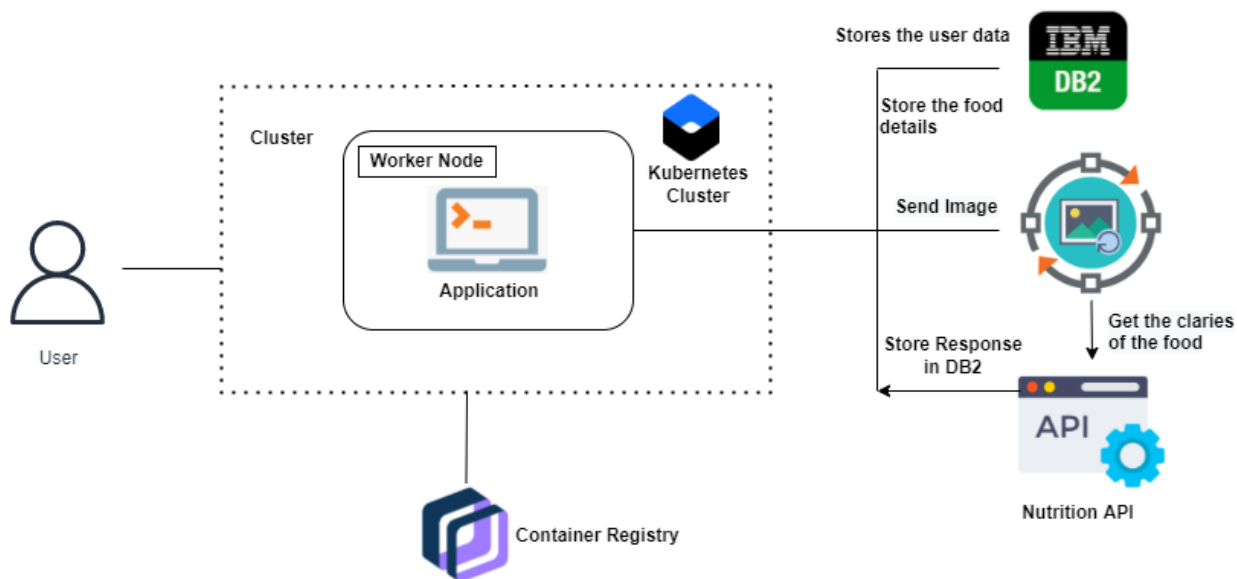| Date	03 October 2022
Team ID	PNT2022TMID49091
Project Name	Project – Nutrition Assistant Application
Maximum Marks	4 Marks

Technology Architecture:

Table-1 : Components & Technologies:

S.No	Components	Technology
1.	User Interface	HTML, CSS, Bootstrap, Python, Flask
2.	Application Logic-1	Python
3.	Database	MySQL
4.	Cloud Database	IBM DB2
5.	External API-1	Clarifai API
6.	External API-2	Nutrition API from Rapid API
7.	AI Model	Clarifai's food-item-v1-recognition model
8.	Infrastructure (Server / Cloud)	Kubernetes

Table-2: Application Characteristics:

S.no	Characteristics	Technology
1.	Open-Source Frameworks	Bootstrap, Flask
2.	Scalable Architecture	Kubernetes
3.	Availability	Kubernetes
4.	Performance	Kubernetes