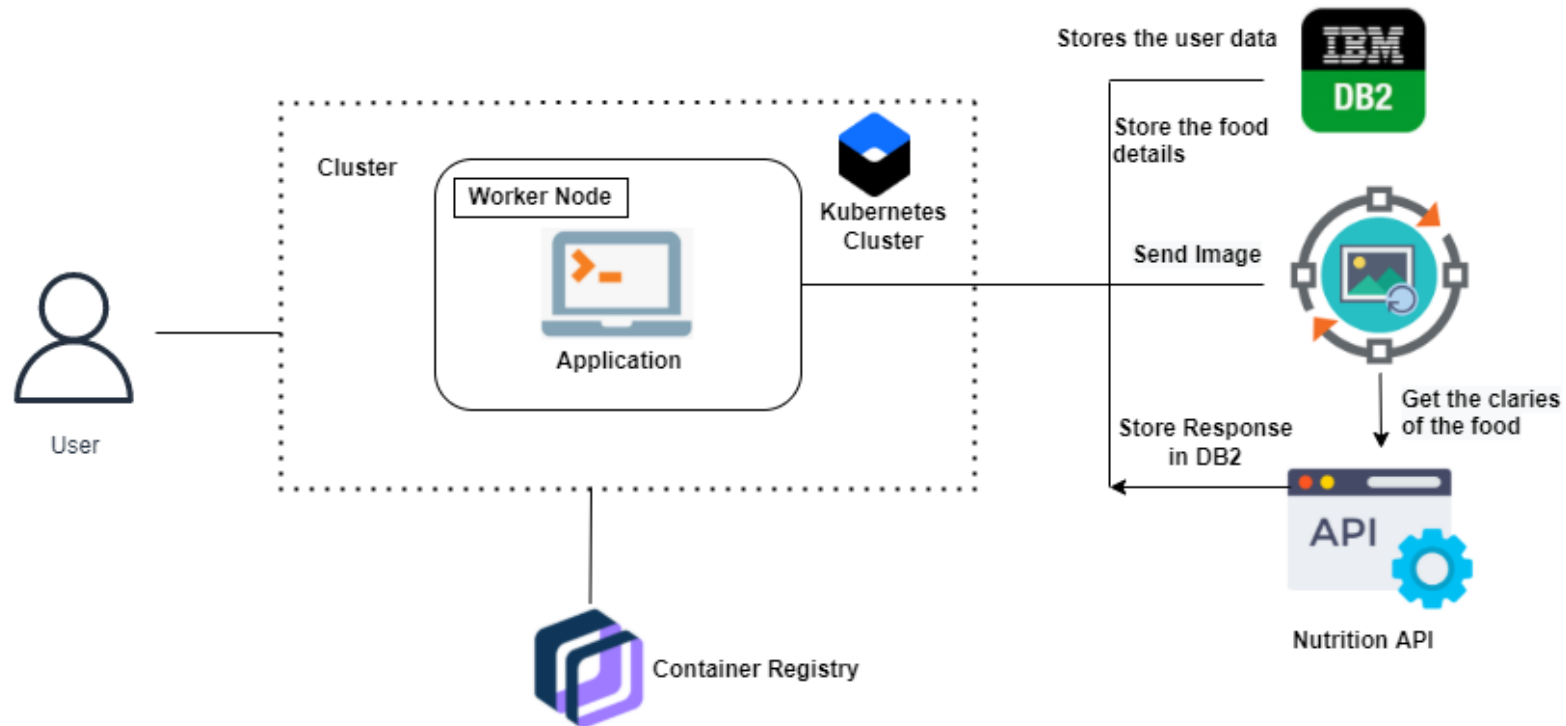


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID42452
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:**

<b>S.No</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
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