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

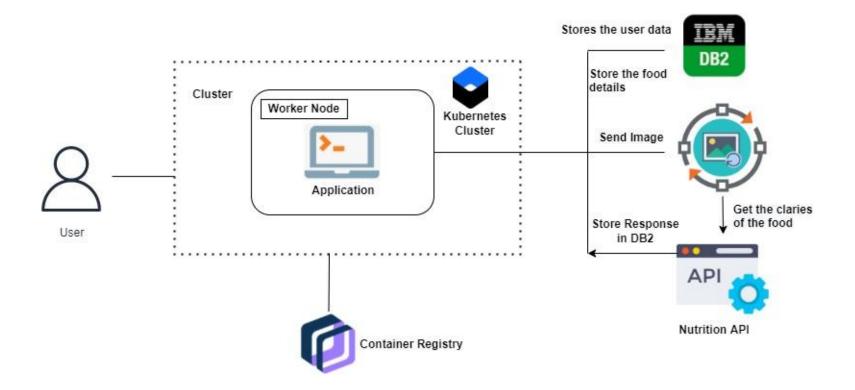| Date | 02 November 2022 |
|---|---|
| Team ID | PNT2022TMID29771 |
| Project Name | Project – Nutrition Assistant Application |
| Maximum Marks | 4 Marks |

**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 Open source 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 |