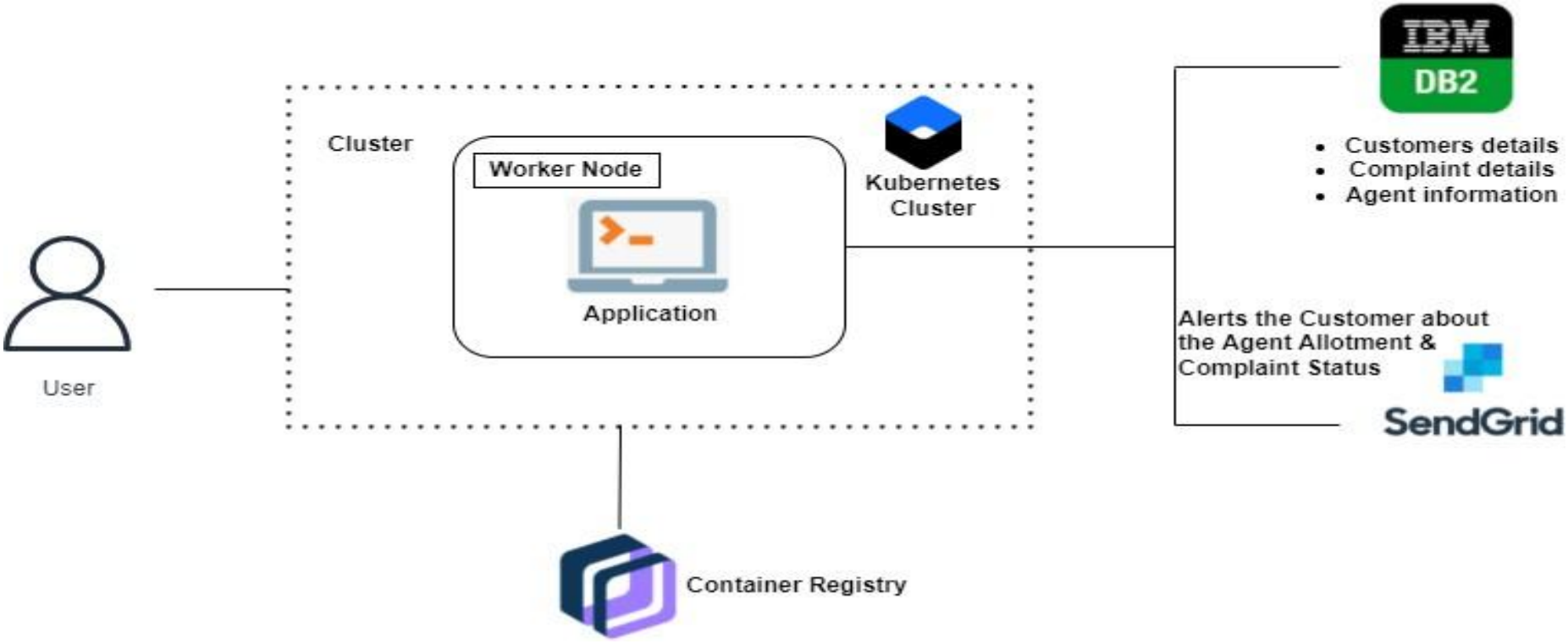
**Project Design Phase - II**
**Technology Architecture**
**(Architecture & Stack)**

| TeamID | PNT2022TMID13254 |
|---|---|
| ProjectName | Project-CustomerCareRegistry |

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as perthetable1 & table2



## Table-1:Components&Technologies:

| S.No | Component | Description | Technology |
|---|---|---|---|
| 1. | User Interface | How user interacts with application.<br>e.g. Web UI, Mobile App, Chat bot<br>etc. | HTML,CSS,JavaScript,flask etc… |
| 2. | Application Logic-1 | Logic for a process in the application | Python |
| 3. | Application Logic-2 | Logicforaprocessintheapplication | IBM Watson ST Tservice |
| 4. | Application Logic-3 | Logic for a process in the application | IBM Watson Assistant |
| 5. | Database | Data Type,Configurations etc. | My SQL |
| 6. | Cloud Database | Database Service on Cloud | IBMDB2,IBM Cloud ant etc. |
| 7. | File Storage | File storage requirements | IBM Block Storage or Other Storage Service or Local File system |
| 8. | Infrastructure(Server/Cloud) | Application Deployment on Local System/Cloud Local Server Configuration: CloudServerConfiguration: | Local,CloudFoundry,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 control simplemented ,use offire walls etc. | e.g. Encryption ,intrusion Detection software, antivirus, firewalls etc… |
| 3. | Scalable Architecture | Justify the scalability of architecture(3–tier,Micro-services) | Supports higher workloads without any fundamentalchanges to it. |
| 4. | Availability | Justify the availability of application(e.g.use of load balancers,distributed servers etc.) | High availability enables your IT infrastructure to continue functioning even when some of its components fail. |
| 5. | Performance | Design consideration for the performance of the application (number of requests per sec, use of Cache,use of CDN's) etc. | Performance technology,therefore,is a field of practice that uses various tools,processes,and ideas in a scientific,systematic manner to improve the desired outcomes of the individuals and organizations. |