

Project Design Phase-II

Technology Stack (Architecture & Stack)

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID37061 |
| Project Name | Project – Smart Fashion Recommender Application |
| Maximum Marks | 4 Marks |

Technical Architecture:

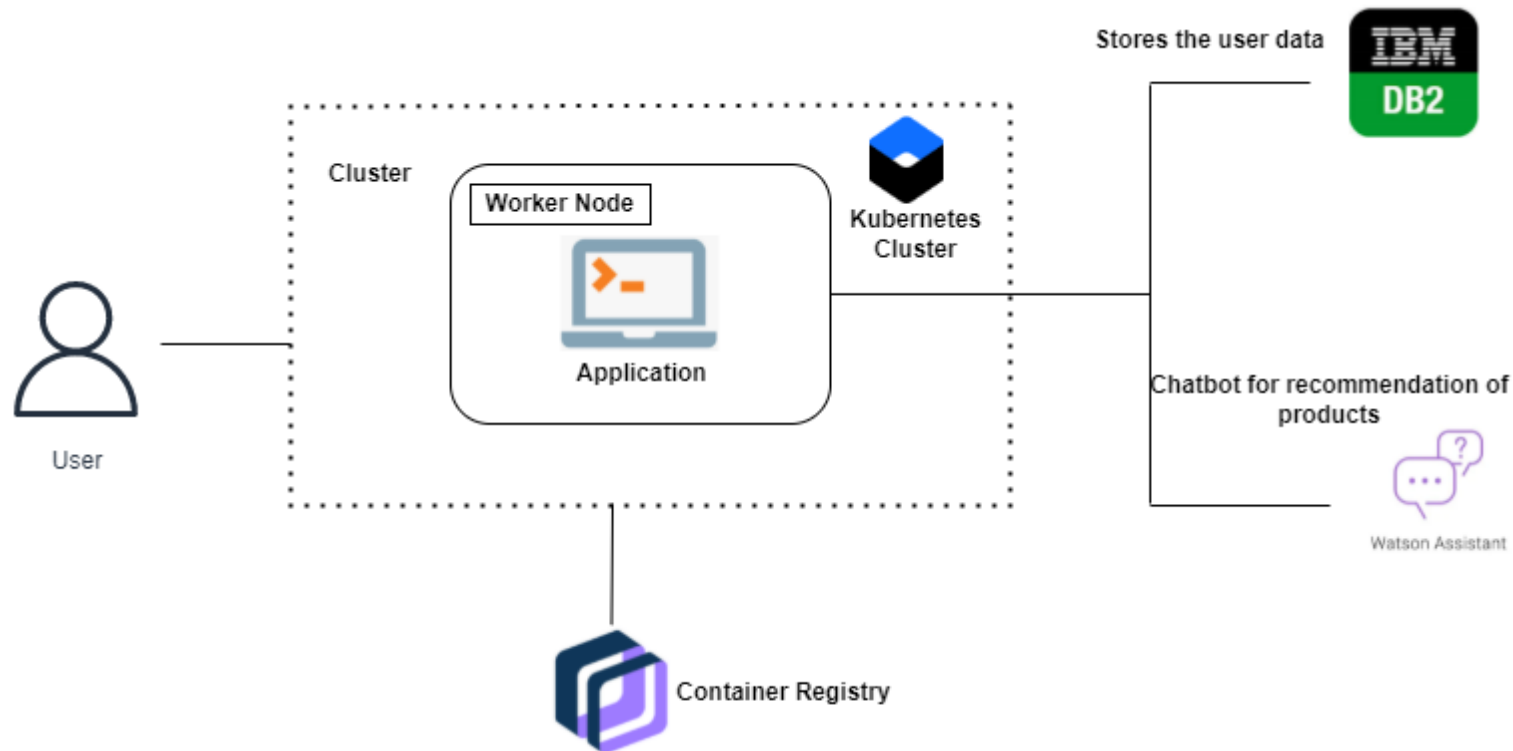


Table-1 : Components & Technologies:

| S.No | Component | Description | Technology |
|------|---------------------------------|---|-----------------------|
| 1. | User Interface | User interacts with application i.e., Mobile App, Chatbot | HTML, CSS, JavaScript |
| 2. | Application Logic-1 | Logic for a process in the application | Python /Flask/ Docker |
| 3. | Application Logic-2 | Logic for a process in the application | IBM Watson Assistant |
| 4. | Database | Data Type, Configurations etc. | NoSQL |
| 5. | Cloud Database | Database Service on Cloud | IBM DB2. |
| 6. | File Storage | File storage requirements | IBM Block Storage |
| 7. | Infrastructure (Server / Cloud) | Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration : | Kubernetes , Cluster |

Table-2: Application Characteristics:

| S.No | Characteristics | Description | Technology |
|------|--------------------------|---|----------------------------|
| 1. | Open-Source Frameworks | List the open-source frameworks used | Watson Assistant |
| 2. | Security Implementations | List all the security / access controls implemented, use of firewalls etc. | ISO 27001,27017,27018 |
| 3. | Scalable Architecture | Justify the scalability of architecture (3 – tier, Micro-services) | Container registry |
| 4. | Performance | Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc. | Use of cache, use of CND's |