

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

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|---------------|---------------------------------------|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID36870 |
| Project Name | Smart Fashion Recommender Application |
| Maximum Marks | 4 Marks |

Technical Architecture:

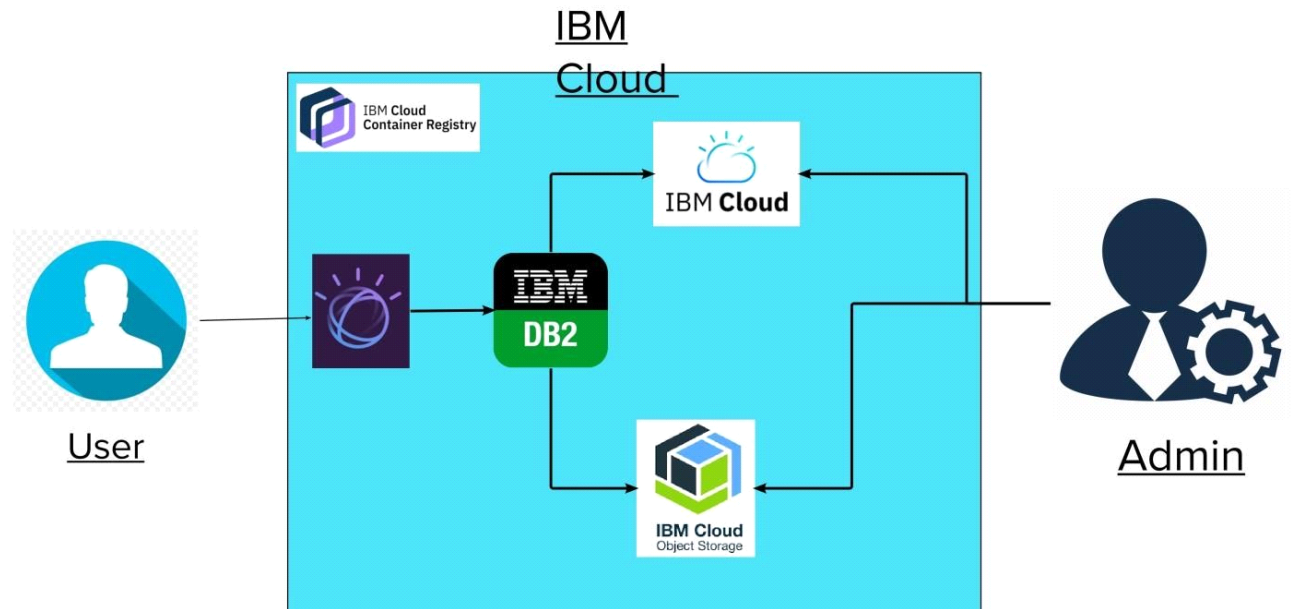


Table-1 : Components & Technologies:

| S.No | Component | Description | Technology |
|------|----------------|--|-----------------------|
| • | User Interface | How user interacts with application e.g. Web | HTML, CSS, JavaScript |

| | | | |
|---|---------------------------------|--|--|
| | | UI, Mobile App, Chatbot etc. | |
| • | Application Logic-1 | Logic for a process in the application | Python - Flask |
| • | Email Service | For verify user and mail ads | SendGrid |
| • | Chatbot | Get details from user and store | IBM Watson Assistant |
| • | Database | Data Type, Configurations etc. | MySQL, NoSQL, etc. |
| • | Cloud Database | Database Service on Cloud | IBM DB2, IBM Cloudant etc. |
| • | File Storage | File storage requirements | IBM Block Storage or Other Storage Service or Local Filesystem |
| • | Infrastructure (Server / Cloud) | Application Deployment on Cloud System | Docker, Cloud Foundry, Kubernetes, etc. |

Table-2: Application Characteristics:

| S.No | Characteristics | Description | Technology |
|-------------|--------------------------------|---|----------------------------|
| • | Open-Source Frameworks | Flask | Python |
| • | encryption hashing and salting | Encryption hashing and salting | Encryptions |
| • | Scalable Architecture | Getting resources to different parts of the system that need it | Microservices Architecture |
| • | Availability | The Application available 24/7 | IBM Cloud |
| • | Performance | 1000 request per day | IBM Watson |