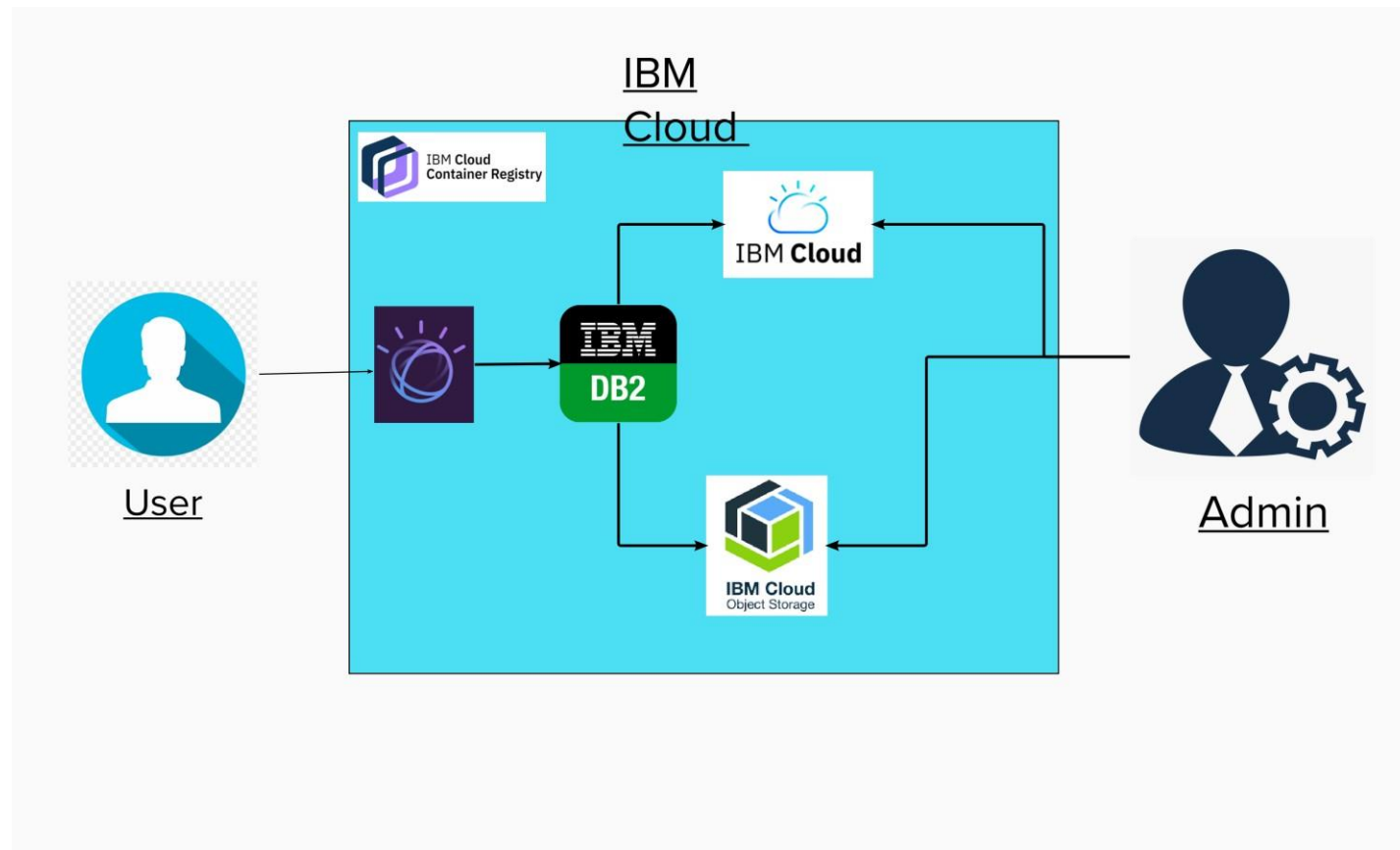


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

|               |                                       |
|---------------|---------------------------------------|
| Date          | 29 October 2022                       |
| Team ID       | PNT2022TMID04912                      |
| Project Name  | Smart Fashion Recommender 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.   | Application Logic-2             | Logic for a process in the application                                      | IBM Watson STT service |
| 4.   | Application Logic-3             | Logic for a process in the application                                      | IBM Watson Assistant   |
| 5.   | Database                        | Data Type, Configurations etc.                                              | MySQL                  |
| 6.   | Cloud Database                  | Database Service on Cloud                                                   | IBM DB2                |
| 7.   | File Storage                    | File storage requirements                                                   | IBM Block Storage      |
| 8.   | Infrastructure (Server / Cloud) | Application Deployment on Cloud<br>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                                                           | Python                     |
| 2.          | encryption hashing and salting | Encryption hashing and salting                                  | Encryptions                |
| 3.          | Scalable Architecture          | Getting resources to different parts of the system that need it | Microservices Architecture |
| 4.          | Availability                   | The Application available 24/7                                  | IBM Cloud                  |
| 5.          | Performance                    | 1000 request per day                                            | IBM Watson                 |