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

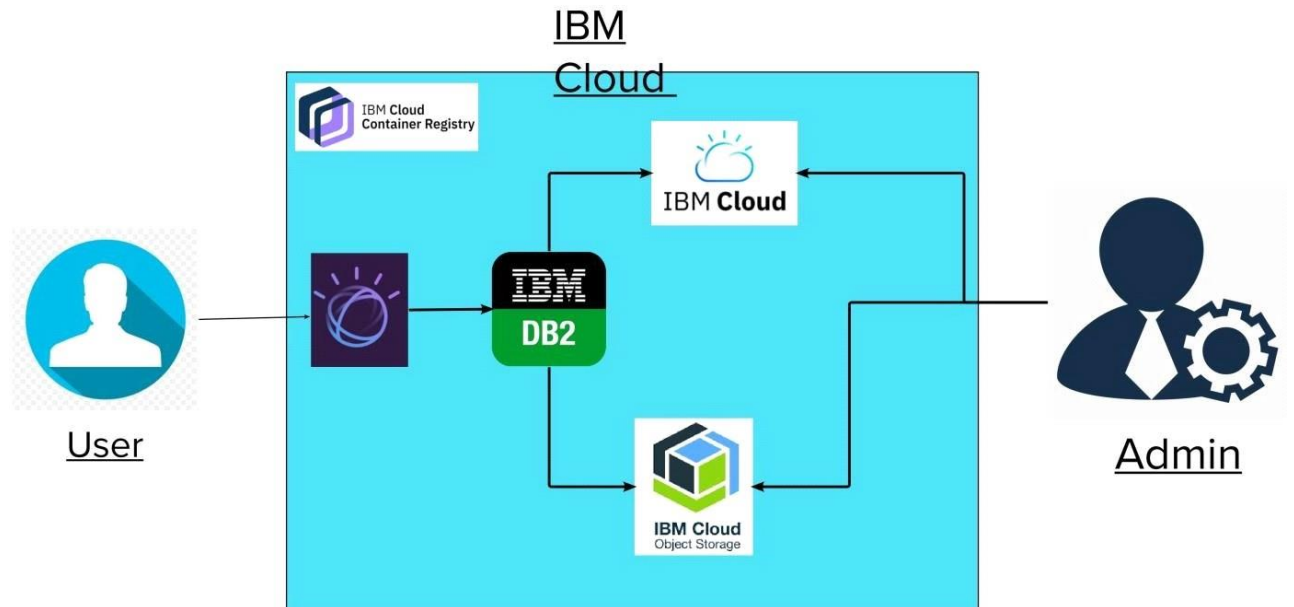|	
Date	03 October 2022
Team ID	PNT2022TMID05761
Project Name	Smart Fashion Recommender Application
Maximum Marks	4 Marks

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