

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

Date	03 October 2022
Team ID	PNT2022TMID01360
Project Name	Project - Smart Fashion Recommender Application
Maximum Marks	4 Marks

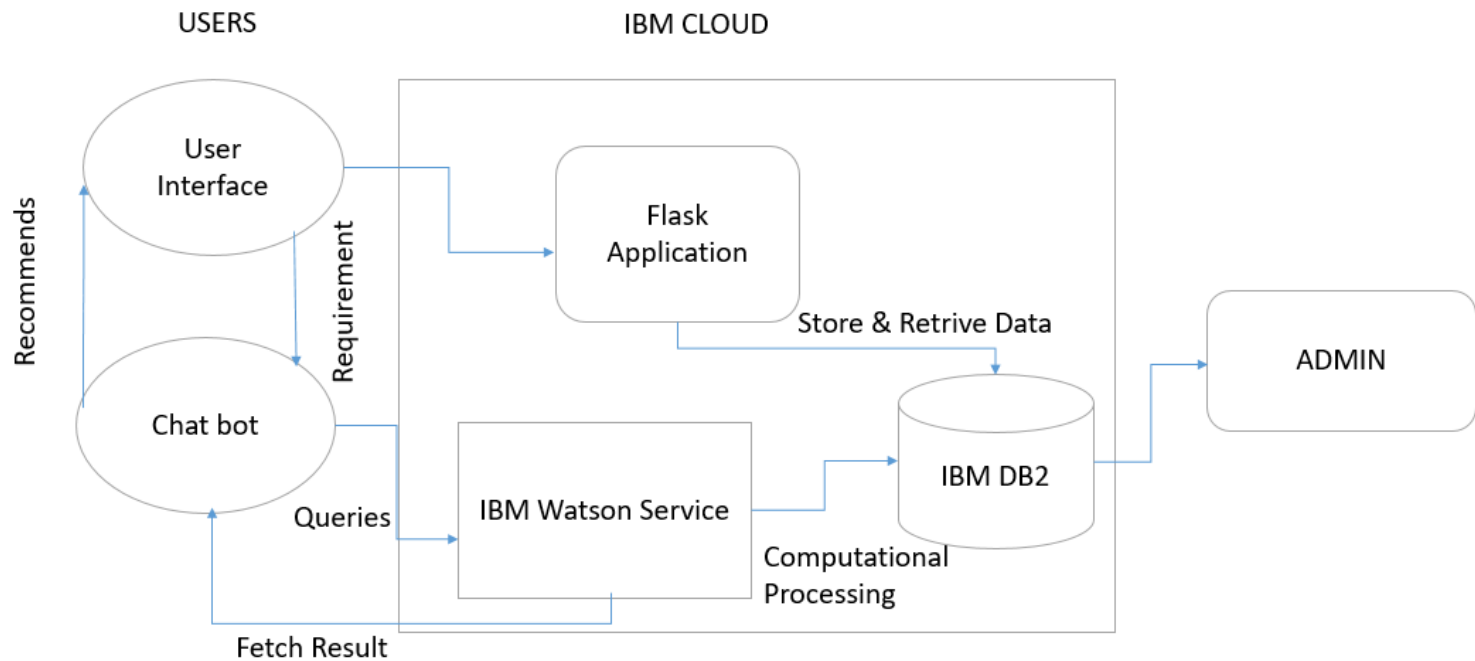


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How the user interacts with app e.g. Mobile App, Chatbot etc.	HTML, CSS, bootstrap, JavaScript
2.	Requests	How web app communicates with server	Python/JavaScript
3.	Database	To store and retrieve User information	IBM DB2, SQL etc
4.	ChatBot	Address User queries and recommend products.	IBM Watson Assistant
5.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
6.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Used Web Technologies to build the UI	HTML, CSS, bootstrap, Python, Flask
2.	Security Implementations	User Authentication Through Email Services	Sengrid
3.	Scalable Architecture	Run the application in Local and Cloud system	Docker and Kubernetes
4.	Availability	Justify the availability of application.	Cloud, Docker
5.	Performance	Design consideration for the performance of the application.	Elastic Instance