

Project Design Phase – II

Technology Stack (Architecture & Stack)

Date	26 October 2022
Team ID	PNT2022TMID16527
Project Name	Smart Fashion Recommender Application
Maximum marks	

Technical Architecture:

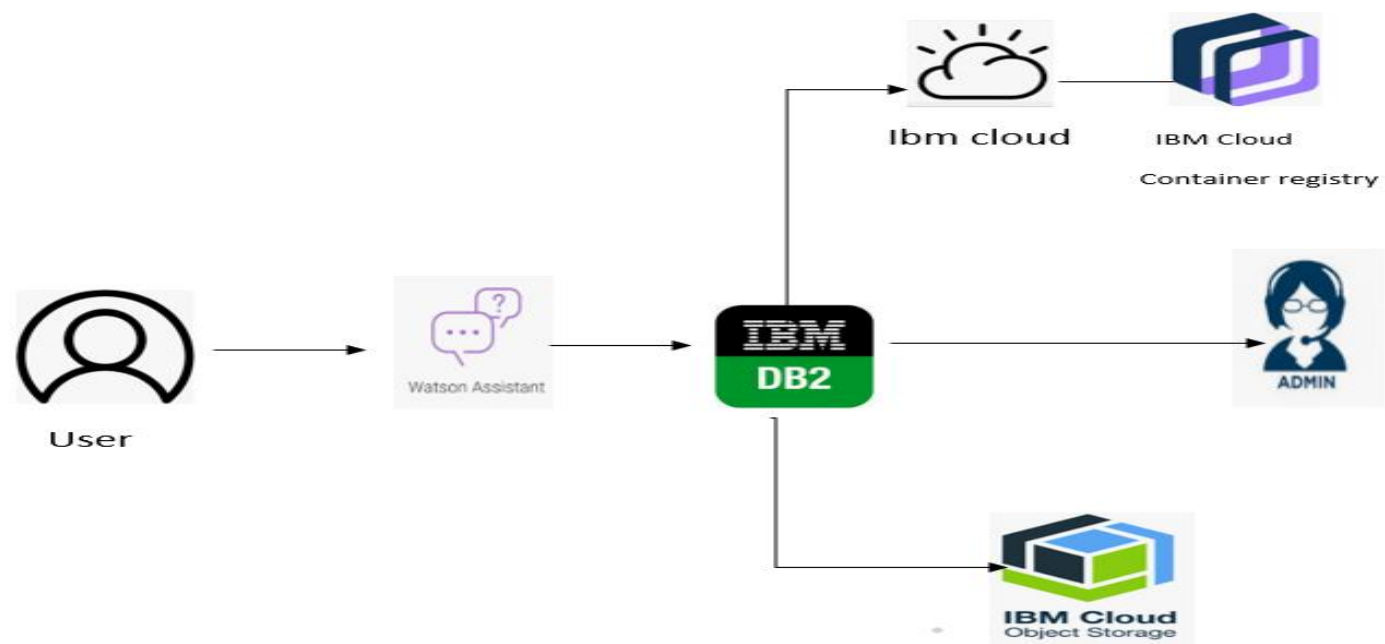


Table 1: Components and Technologies:

S.NO	Component	Description	Technology
1.	User Interface	User interacts with application through web UI	HTML, Javascript , CSS
2.	Cloud Database	Cloud database can be offered as managed database as a service	IBM DB2, IBM Cloud ant
3.	File Storage	Necessary files for the application should be maintained at easily accessible place	IBM Block Storage or Other Storage Service or Local Filesystem
4.	Recommenders’ products chatbot	A Products recommendation chatbot facilitates this experience. Instead of scrolling through a dozen product pages, just answer a few questions and get the perfect recommendation within minutes, if not seconds.	IBM Watson Assistant
5.	Database	It refers to a set of programs that allows users to access databases and manipulate, maintain, report on and link data.	MYSQL
6.	Infrastructure (server/cloud)	Application Deployment on local System /Cloud Local Server Configuration Cloud Server Configuration	Local Cloud Foundry, Kubernetes

Table 2: Application Characteristic

S.No	Characteristics	Description	Technology
1.	Open-Source Framework	Cloud Stack, Eucalyptus, open nebula, App Scale, Docker	Docker
2.	Security Implementations	The impact of new security can be both positive and negative. depending on the security scheme used client or server authentication and data encryption can significantly degrade web application performance or have no impact to all.	Encryption, SendGrid
3.	Scalable Architecture	Scalability is the ability of a system to handle increasing amounts of work by adding more resource to the system.	Kubernetes
4.	Availability	The Application runs as needed to perform its function.	Docker
5.	Performance	Performance is about making your website fast including making slow processes look fast. Load your website quickly and let users start interacting quickly	Kubernetes