

Project Design Phase-II
TechnologyStack (Architecture &Stack)

Date	03October2022
TeamID	PNT2022TMID52517
ProjectName	SmartFashionRecommenderApplication
MaximumMarks	4Marks

Technical Architecture:

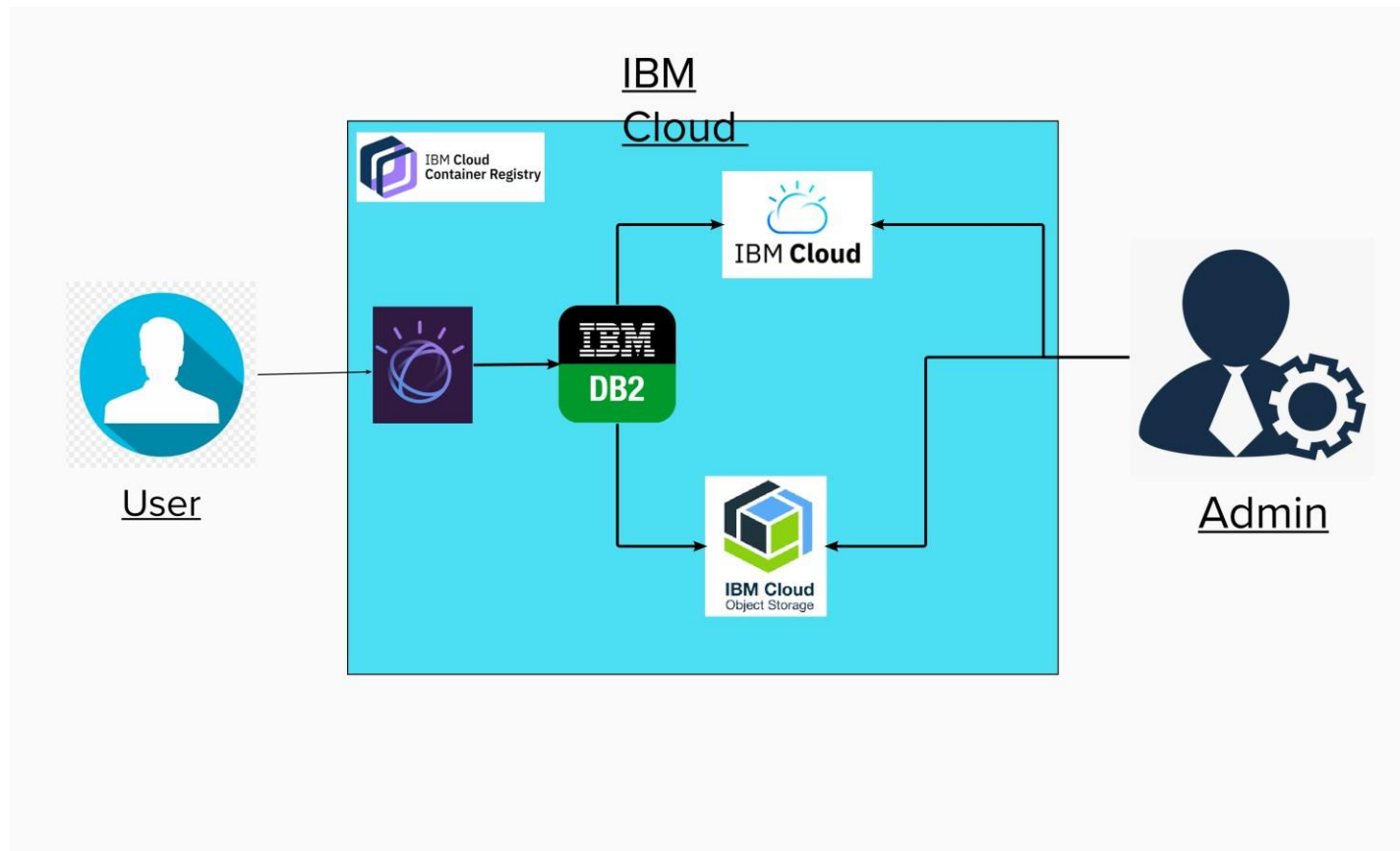


Table-1: Components&Technologies:

S.No	Component	Description	Technology
1.	UserInterface	How user interacts with application e.g.WebUI,Mobile App,Chatbotetc.	HTML,CSS, JavaScript
2.	ApplicationLogic-1	Logicforaprocessintheapplication	Python
3.	ApplicationLogic-2	Logicforaprocessintheapplication	IBMWatsonSTTservice
4.	ApplicationLogic-3	Logicforaprocessintheapplication	IBMWatsonAssistant
5.	Database	DataType, Configurations etc.	MySQL
6.	CloudDatabase	DatabaseServiceonCloud	IBMDB2
7.	FileStorage	Filestoragerequirements	IBMBlockStorage
8.	Infrastructure(Server/Cloud)	ApplicationDeploymentonCloud CloudServerConfiguration:Db2/python	Kubernetes,

Table-2:ApplicationCharacteristics:

S.No	Characteristics	Description	Technology
1.	Open-SourceFrameworks	Flask	Python
2.	encryptionhashingandsalting	Encryptionhashingandsalting	Encryptions
3.	ScalableArchitecture	Gettingresourcestodifferentpartsofthesystemthatneedit	MicroservicesArchitecture
4.	Availability	TheApplicationavailable24/7	IBMCloud
5.	Performance	1000requestper day	IBMWatson