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

Date	03 October 2022
Team ID	PNT2022TMID18407
Project Name	Project – Smart Fashion Recommender Application
Maximum Marks	4 Marks

Technical Architecture:

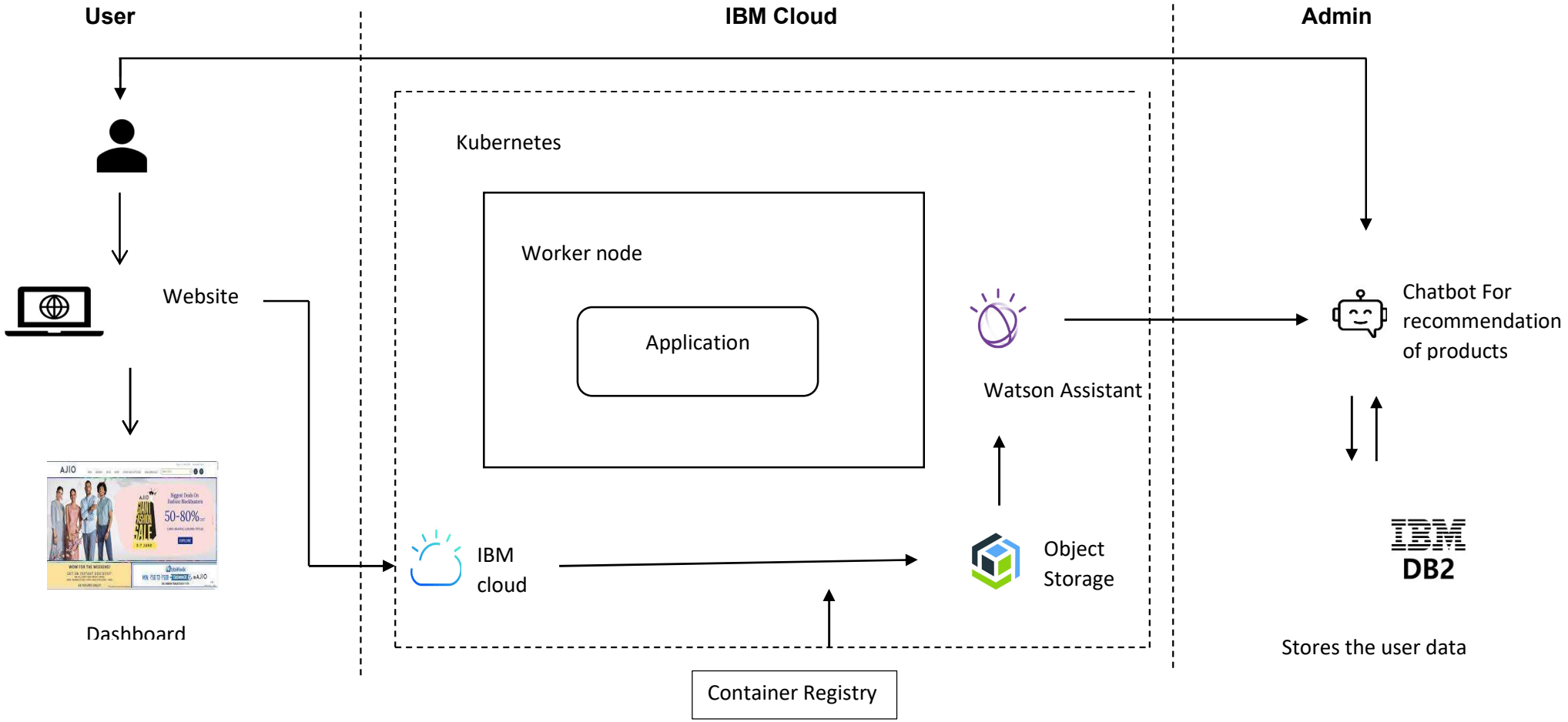

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	Website	To get desired product, customer can chat with chatbot.	HTML, Watson Chatbot, CSS, JavaScript
2.	Kubernetes	It monitors application and make it easier to manage it. If any software crash it automatically restart the work	Kubernetes
3.	IBM Object Storage	It's delivered on demand with just-in-time capacity and costs, and eliminates buying and managing your own data storage infrastructure.	Bucket
4.	Docker	Docker is a tool designed to make it easier for developers to develop, ship, and run applications by using containers.	Container
5.	DB2	The Db2 DBMS operates as the server to manage data in databases across a multiuser environment, enabling many concurrent users to access the same data simultaneously.	MySQL, NoSQL, etc.
6.	Cloud Database	IBM Db2 on Cloud is a fully managed SQL cloud database that offers a dedicated operations team, point-in-time recovery.	IBM DB2, IBM Cloudant etc.
7.	Container registry	Container Registry is a service for storing private container images	Kubernetes
8.	Watson Assistant	Watson Assistant lets you build conversational interfaces into any application, device, or channel	IBM Watson Assistant
9.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Anaconda Cloud Server Configuration : IBM cloud	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Cloud Stack, Eucalyptus. Open Nebula, App Scale, Docker	Docker
2.	Security Implementations	Authentication and password management Accountability to authorize and monitor the use anonymous accounts and to remove	Encryptions, Secured Authorization.
3.	Scalable Architecture	The customer service chatbots help businesses grow and scale with ease, especially when web traffic volume increases.	DB2,Watson Chatbot
4.	Availability	To meet customer requirements anytime and anywhere, application and chatbot will be available for 24/7.The stock will be frequently checked.	Docker
5.	Performance	A good-performing application provides flawless user experience to the customers. Cloud application performance management ultimately take actions to resolve issues and maintain optimal performance.	Kubernetes