

Project Phase – II

Technology Architecture

Team ID	PNT2022TMID11721
Project Name	Smart fashion Recommender application

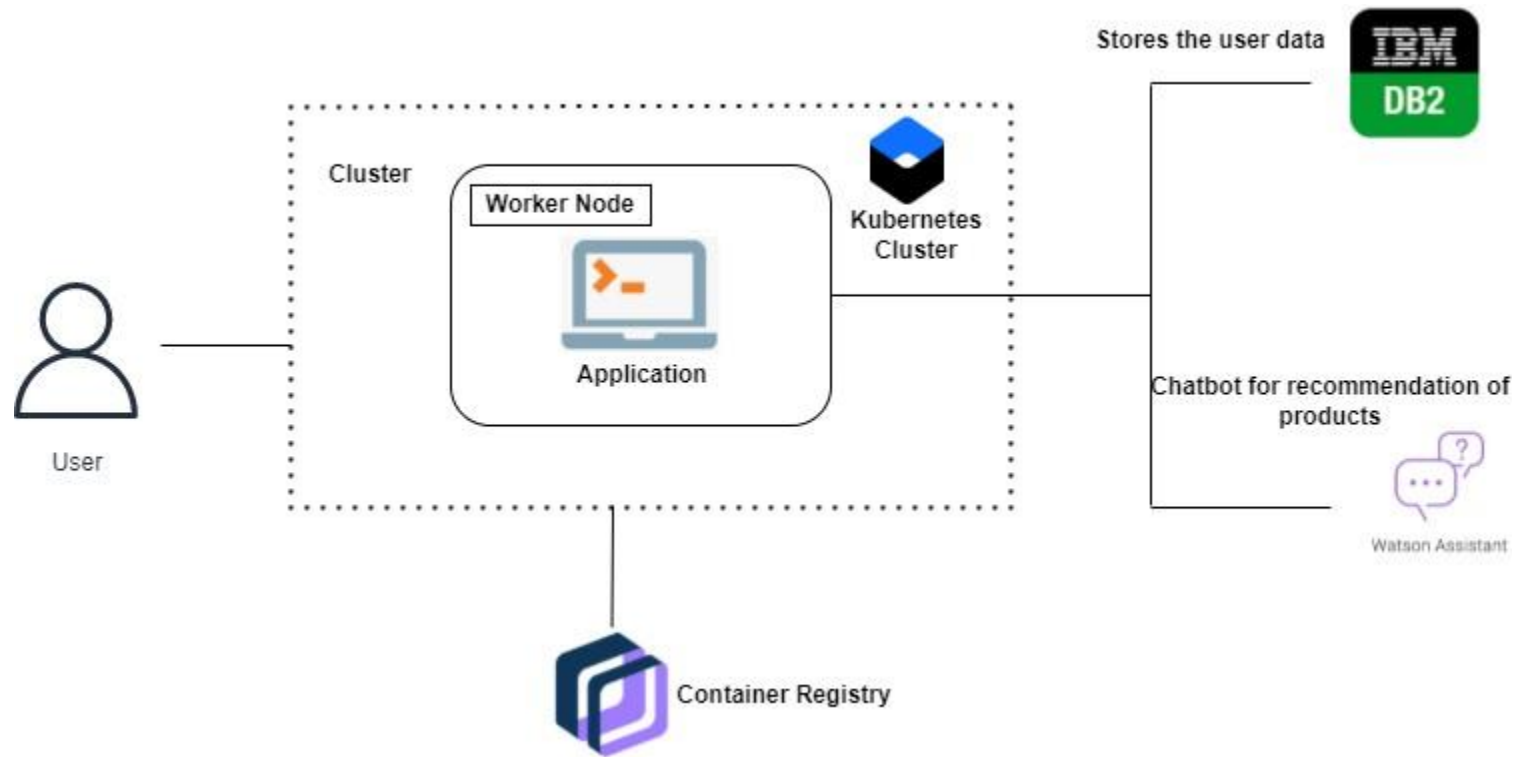


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web UI, Chatbot App connect	HTML CSS

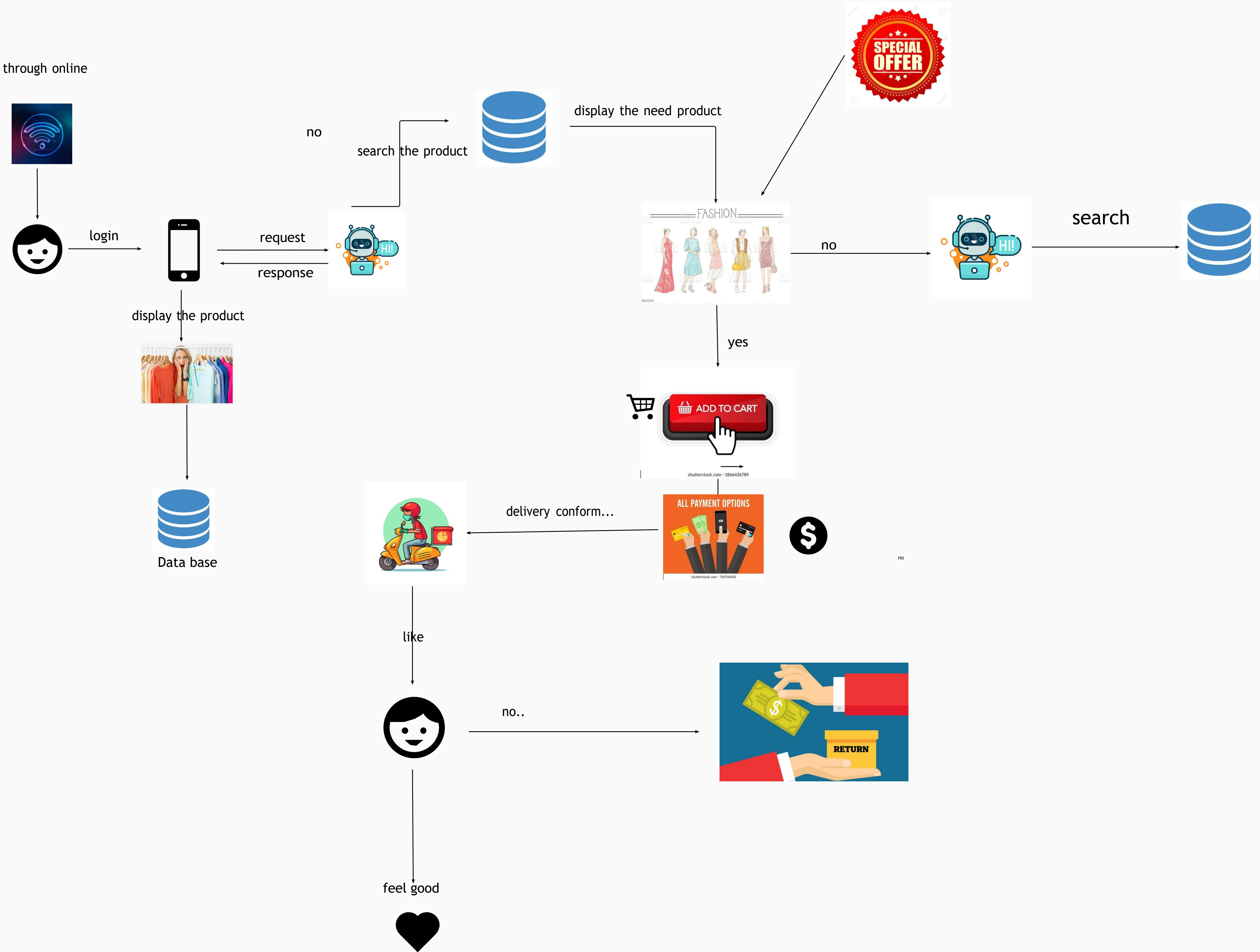
2.	Application Logic-1	Logic for a process in the application	python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	1. Data Type: Emails Contracts Image Blogs text Boolean Decimal etc... 2. Configurations : Hardware software	Python Flask Docker 8GB RAM Intel core i3 Os window
6.	Cloud Database	Database Service on Cloud	IBM DB2 IBM Cloudant
7.	File Storage	It can store the database.cloud object storage created instance	IBM object storage Ibm bucket.
8.	External API-1	The IBM API connect solution provides on infrastructure ,tools,and facilities .	IBM Bluemix
9.	External API-2	The IBM API that allows users to create ,manage and stage api	IBM cloud chat bot
10.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Cloud Server Configuration: DB2/python	Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask	Python

S.No	Characteristics	Description	Technology
2.	Security Implementations	<p>Database are protected from the unauthorized access.</p> <p>Steps:</p> <ul style="list-style-type: none"> • Identify sensitive data • Identify how sensitive data is being accessed. • Discover unknown cloud usage. • Assign the protection policies. 	Encryption, Fire wall, And also using the BYOK key.
3.	Scalable Architecture	The system ability to increase in performance and system processing the demand.	Cloud architecture
4.	Availability	Available in 24/7...customer are any time search the product..	IBM cloud
5.	Performance	Request and Response tare fast..The chatbot fast to search the needed product. The performance are better..	IBM Watson (chatbot)

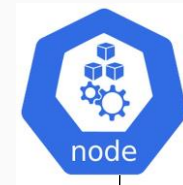
through online





user

Admin



kubernetes cluster

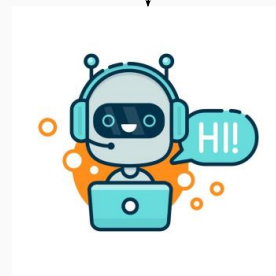
application

store the user data



IBM Cloud
Object Storage

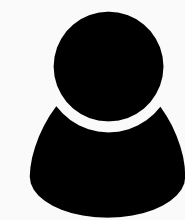
chatbot



database



Admin



User

