

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

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

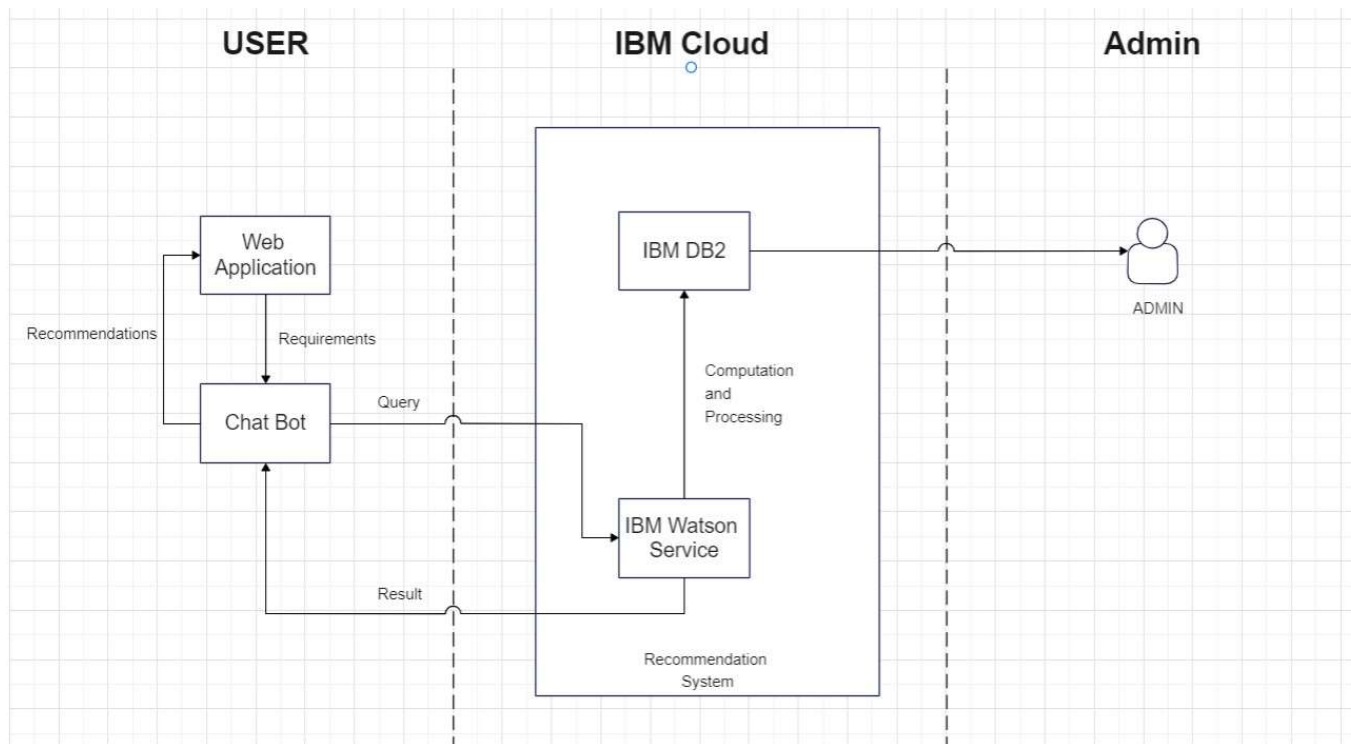


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / React Js
2.	Requests	How web application communicates with server	Java Script / Python
3.	Database	Data Type, Configurations etc.	MongoDB/ Firebase
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
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	List the open-source frameworks used	React JS
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	SHA-256 for hashing passwords, Encryptions, IAM Controls, OWASP
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Elastic Instances
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Cloud computing
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Elastic Instance