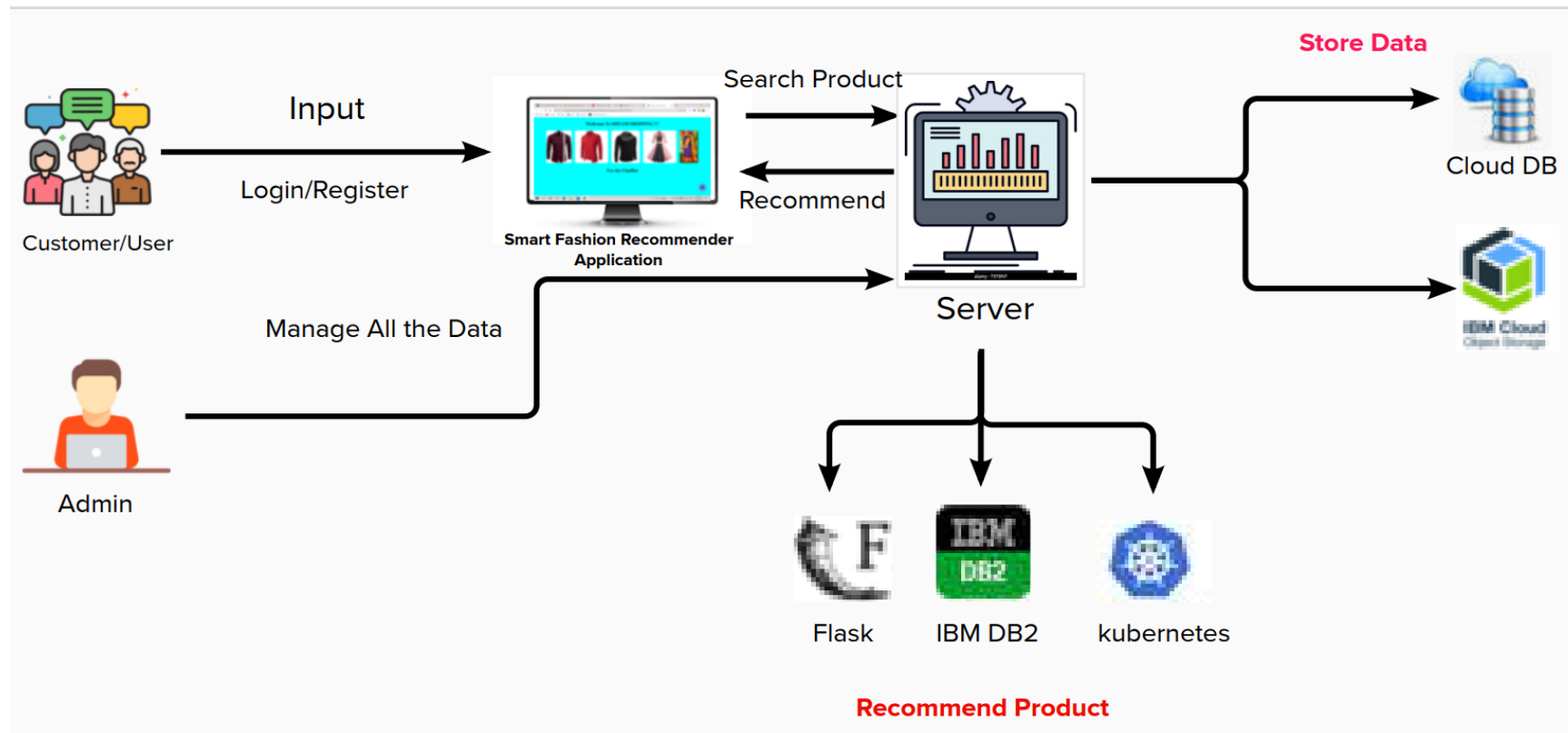


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	02 November 2022
Team ID	PNT2022TMID39256
Project Name	Project - Smart Fashion Recommender Application
Maximum Marks	4 Marks

### Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Chatbot etc.	HTML, CSS, JavaScript, bootstrap
2.	Application Logic	Logic for a process in the application	Python-flask
3.	Cloud Database	Database Service on Cloud	IBM DB2
4.	Email Service	To Verify the User and Mail ads	SendGrid
5.	Chat-Box	Get details from user and Store.	IBM Watson Assistant
6.	Infrastructure (Server/Cloud)	Application Deployment on cloud System	Docker, Kubernetes, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Used Web technologies	HTML, CSS, JS, Python-flask
2.	Security Implementations	User verification through Email Services	SendGrid
3.	Scalable Architecture	Run the Website in Local and Cloud System	Docker and Kubernetes
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Docker and IBM Cloud
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	IBM Cloud, Kubernetes cluster, Container Registry