

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

Date	13 October 2022
Team ID	PNT2022TMID07042
Project Name	Smart Fashion Recommender Application
Maximum Marks	4 Marks

Technical Architecture:

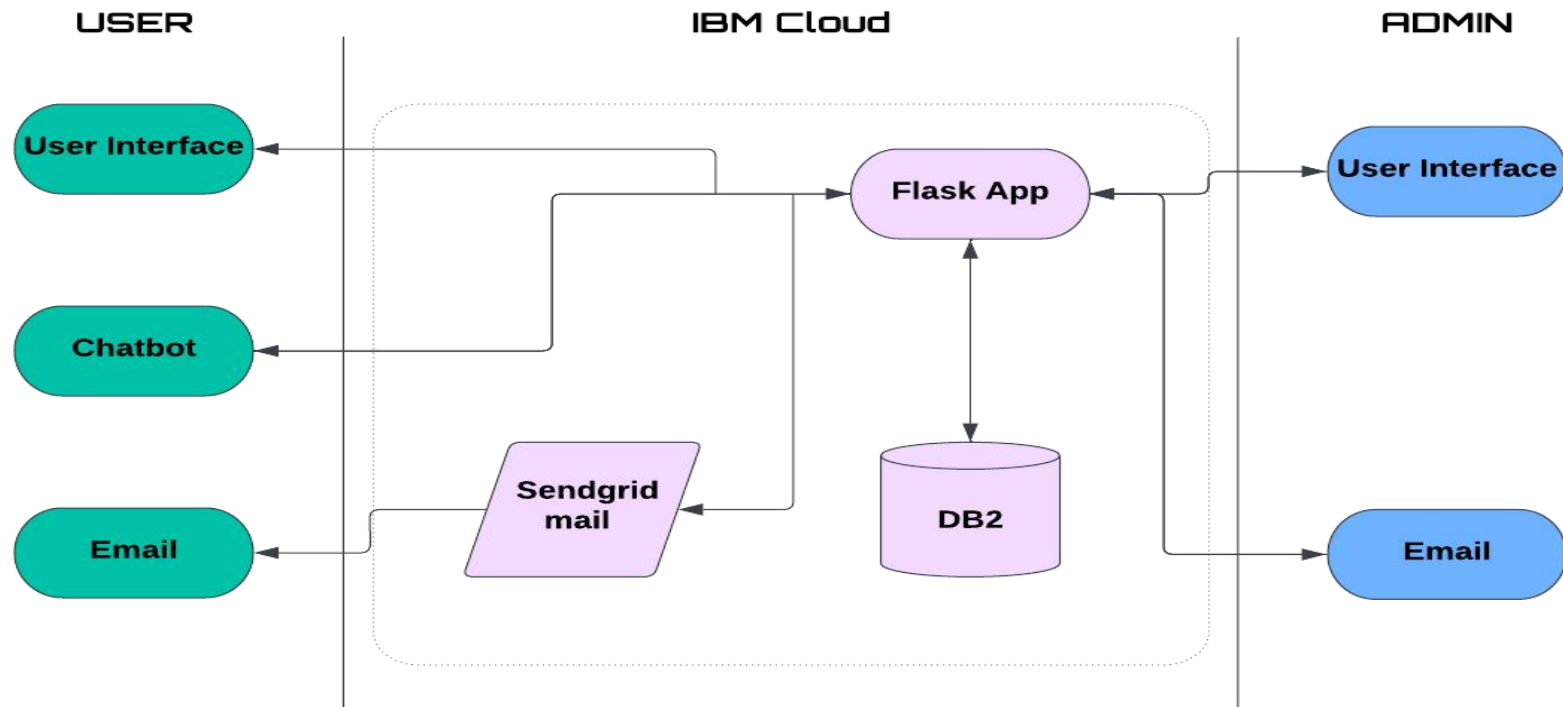


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Interaction of user through application	HTML, CSS, JavaScript, Bootstrap
2.	Application Logic	Logic for a process in the application	Python - Flask
3.	Email service	To verify user and share updates	Sendgrid
4.	Chatbot	To get information from user and to service them during unavailability of customer care services.	IBM Watson Assistant
5.	Cloud Database	To store and service on cloud	IBM DB2
6.	Infrastructure (Server / Cloud)	Application Deployment on cloud system	Docker, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Web technologies used	HTML, CSS, Javascript, Python, Flask
2.	Security Implementations	Verification via mail	Sendgrid
3.	Scalable Architecture	Storing data in cloud	Docker, Kubernetes
4.	Availability	Justify the availability of application	Docker, IBM cloud
5.	Performance	Design consideration for the performance of the application.	IBM cloud, Kubernetes cluster, Container registry