PROJECT DESIGN PHASE -2

TECHNOLOGY ARCHITECTURE

DATE	23 OCTOBER 2022
TEAM ID	PNT2022TMID02585
PROJECT	SMART FASHION RECOMMENDER APPLICATION
MAXIMUM MARK	4 Marks

TECHNOLOGY ARCHITECTURE

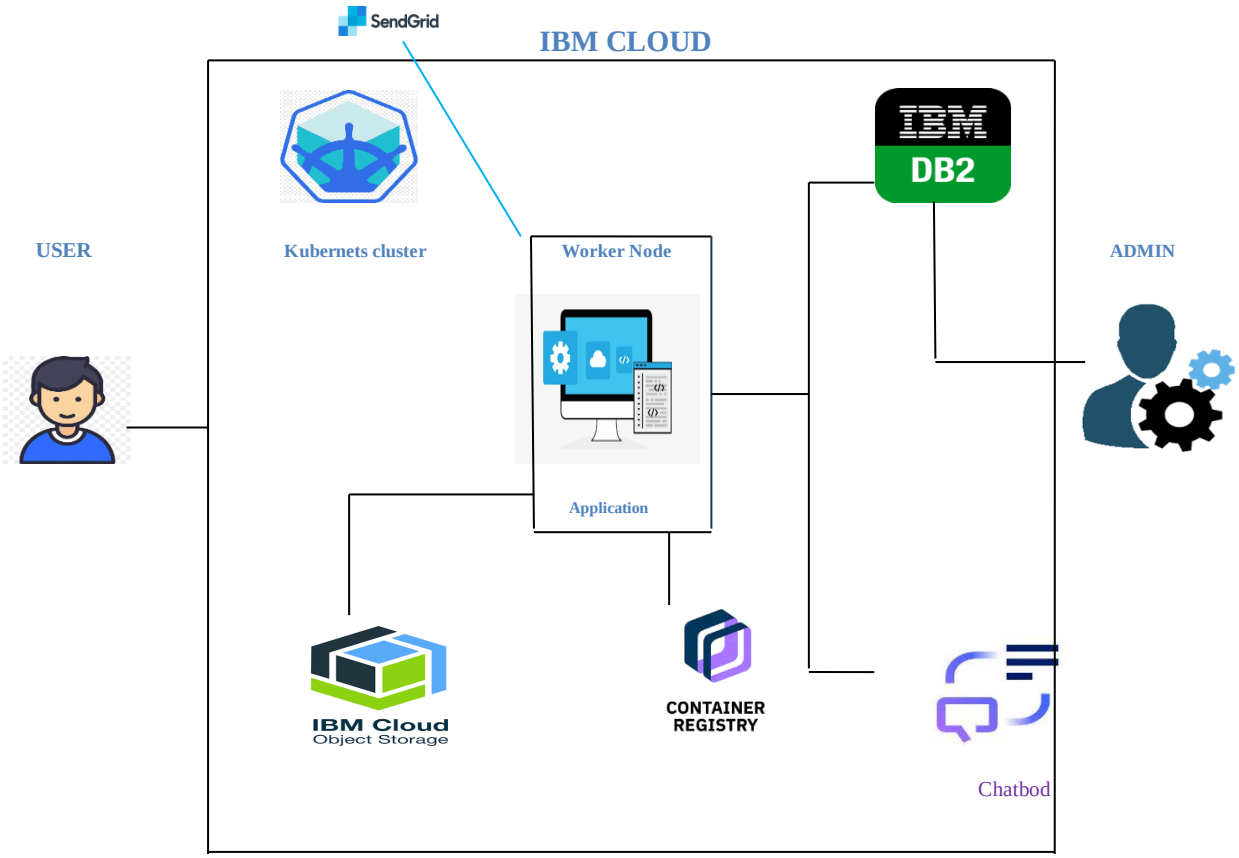

TABLE 1- COMPONENTS & TECHNOLOGIES

S.No	Component	Description	Technology
1	User Interface	The user interacts with erb application e.g., Web UI	HTML,CSS,Javascript ,Flask
2	Application Logic-1	The application includes login where user can login with their credentials and also supports registration where new users can be added	Python
3	Application Logic-2	The application includes a chatbot which helps the user recommendation of products	IBM Watson Assistant
4	Database	Details of customers and products are stored	MYSQL
5	Cloud Database	The cloud database ensures secured storage of data	IBM DB2,IBM Cloudent,etc.
6	File Storage	File storage requirements	IBM Object Storage or Other Storage Service or Local File system
7	External API	To send emails from the application	SendGrid
8	Infrastructure	Application Deployment on Local System/Cloud Local Server Configuration: Cloud Server Configuration :	Docker ,Kubernets ,ets

TABLE 1- COMPONENTS & TECHNOLOGIES

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	Flask is an open-source web framework. The web application is built using Flask	Flask
2	Security Implementations	• Enable Role-Based access control • Enables strict version control and permits rapid rollback if a vulnerability is uncover in new code	Container registry, Kubernets
3	Scalable Architecture	Handles large number users on demand	Container registry, Kubernets
4	Availability	The application can be accessed at any time	Docker
5	Performance	Handles many numbers of user’s requests without ambiguity	Docker