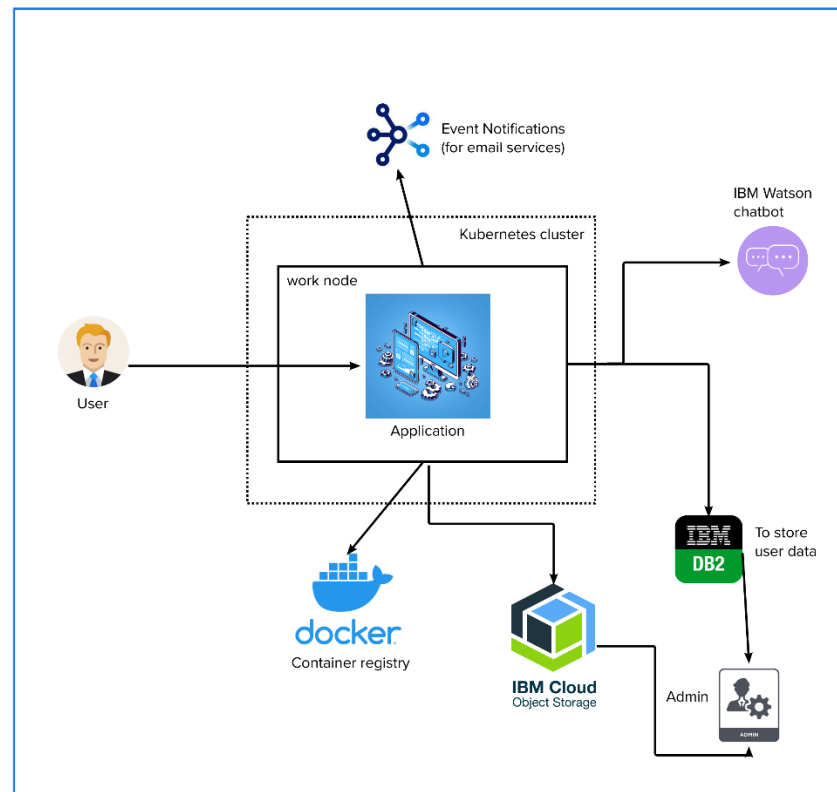


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	20 October 2022
Team ID	PNT2022TMID35310
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, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Event Notifications	For verification of user and email services	Event Notifications
3.	Docker container registry	For storing the application inside a node, which in turn put in a container registry	Docker
4.	Object Storage	For storing files and data which are not in text form	IBM Cloud Object Storage
5.	Cloud Database	Database Service on Cloud for storing user informations	IBM DB2
6.	Chatbot	Taking input message, finding its indent, selecting proper products according to indent or choices from user, returning list of appropriate products	IBM Watson Chatbot
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Docker	Technology of Opensource framework
2.	Security Implementations	User authentication using email services from Event notifications.	Event Notifications
3.	Scalable Architecture	Handles huge requests and data	Docker, Kubernetes
4.	Availability	Available 24*7 through Chatbot, Kubernetes (manages nodes)	IBM Watson chatbot, Kubernetes
5.	Performance	Fast and recommend appropriate products through AI powered chatbot	IBM Watson chatbot

**References:**

<https://cloud.ibm.com/catalog/services/event-notifications>

<https://www.ibm.com/cloud/architecture>