

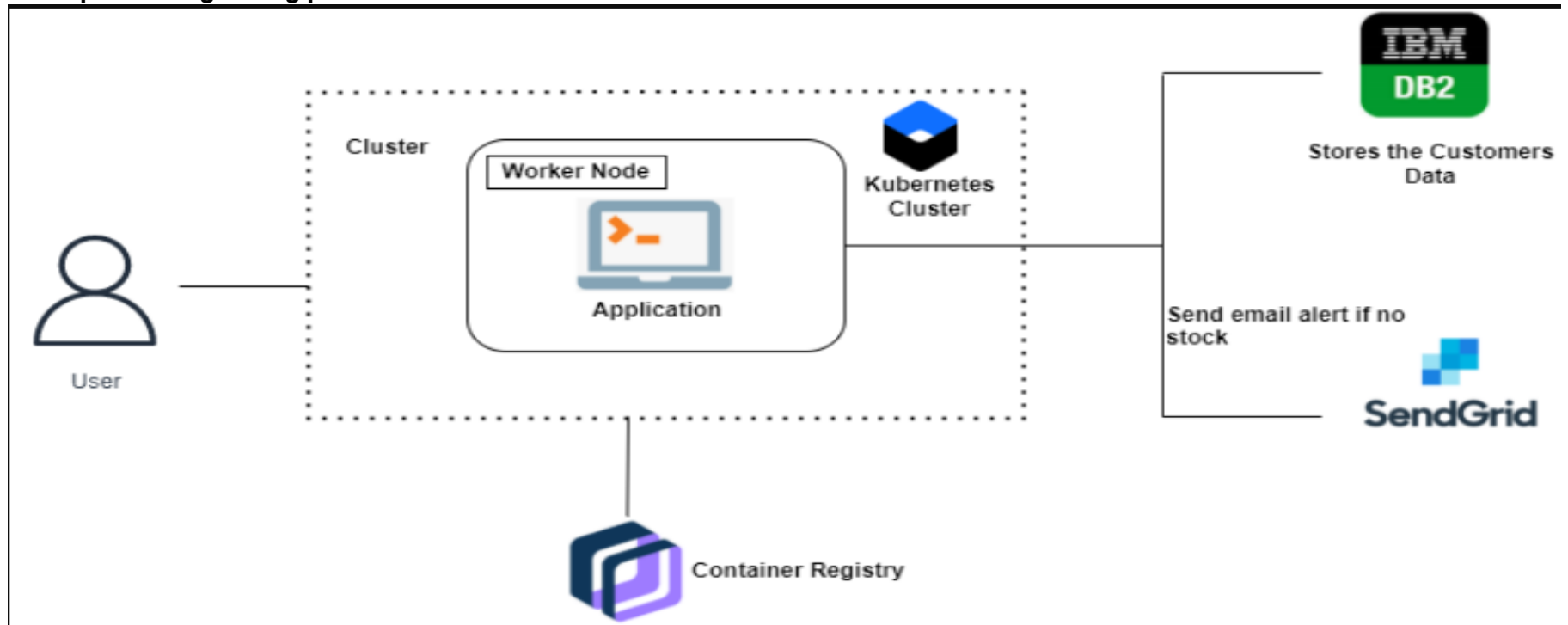
## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	21 October 2022
Team ID	PNT2022TMID24328
Project Name	Project – Inventory Management System for Retail Store
Maximum Marks	4 Marks

### Technical Architecture:

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

### Order processing during pandemics for offline mode



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

<b>S.No</b>	<b>Component</b>	<b>Description</b>	<b>Technology</b>
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript, Python
2.	Application Logic-1	Logic for a process in the application	IBM Watson STT service
3.	Application Logic-2	Logic for a process in the application	IBM Watson Assistant
4.	Database	Data Type, Configurations etc.	MySQL.
5.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
6.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
7.	External API-1	Purpose of External API used in the application	SendGrid
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Kubernetes, Docker, IBM cloud

**Table-2: Application Characteristics:**

<b>S.No</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
1.	Open-Source Frameworks	Flask is used for interaction and connection with application	Python Flask
2.	Scalable Architecture	Presenting tier: User interface for login and updating stocks.	HMTL, CSS, Flask, IBM DB2
3.	Availability	Availability can be made by using cloud.	Kubernetes, Docker
4.	Performance	Performance of the application can be improved by adding the containers in cloud DB	Kubernetes, Docker