DATE:	15.10.2022
TEAM ID:	PNT2022TMID07295
PROJECT NAME:	Inventory Managment System for Retailers

PROJECT DESIGN PHASE-II

TECHNOLOGY ARCHITECTURE

Technology Architecture:

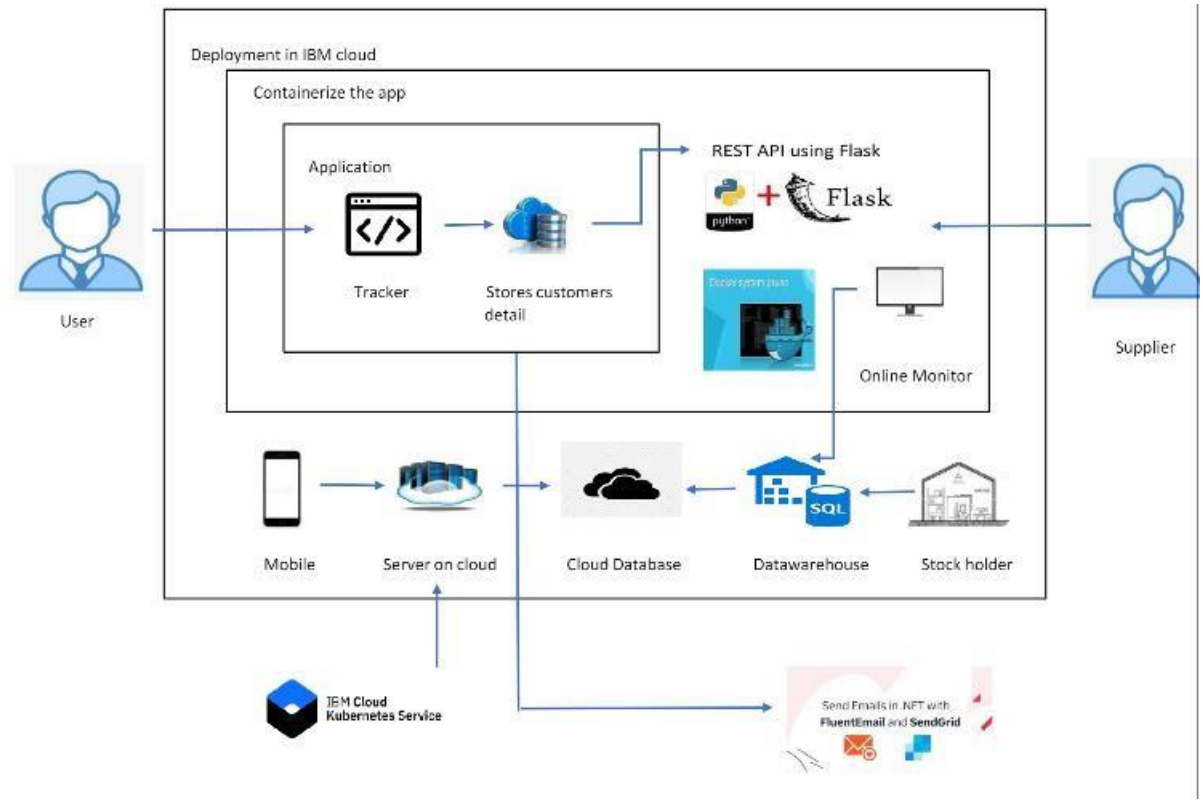

Table-1 : Components & Technologies:

S.no	Component	Description	Technology
1	User Interface	Track your Stock levels at all times.	IBM DB2
2	Application Logic-1	User and inventory activity tracking.	Python
3	Application Logic-2	Inventory report creation.	IBM Watson STT service
4	Application Logic-3	Automatic stock alerts.	IBM Watson Assistant
5	Database	Present Data.	MySQL, NoSQL, etc.
6	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7	File Storage	Dashboard.	IBM Cognative Analysis.
8	Infrastructure (Server / Cloud)	Application Deployment on Local System / CloudLocal Server Configuration:Table Cloud Server Configuration : IBM CLOUD	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.no	Component	Description	Technology
1.	Open-Source Frameworks	Software with a source code that anyone can inspect, modify or enhance.	Descriptive, Diagnostic, Predictive, and Prescriptive.
2.	Security Implementations	Including administrative controls, physical security, logical control, organizational standards	Firewalls. Authentication and authorization. Encryption .
3.	Scalable Architecture	The ability of a hardware/software parallel system to exploit increasing computing resources effectively in the analysis of (very) large datasets.	A package delivery system
4.	Availability	Data is updated in real-time throughout every computing system connected to the network.	Real-time data management