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

Date	03 October 2022
Team ID	PNT2022TMID36840
Project Name	Project – Inventory Management System for Retailer
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2
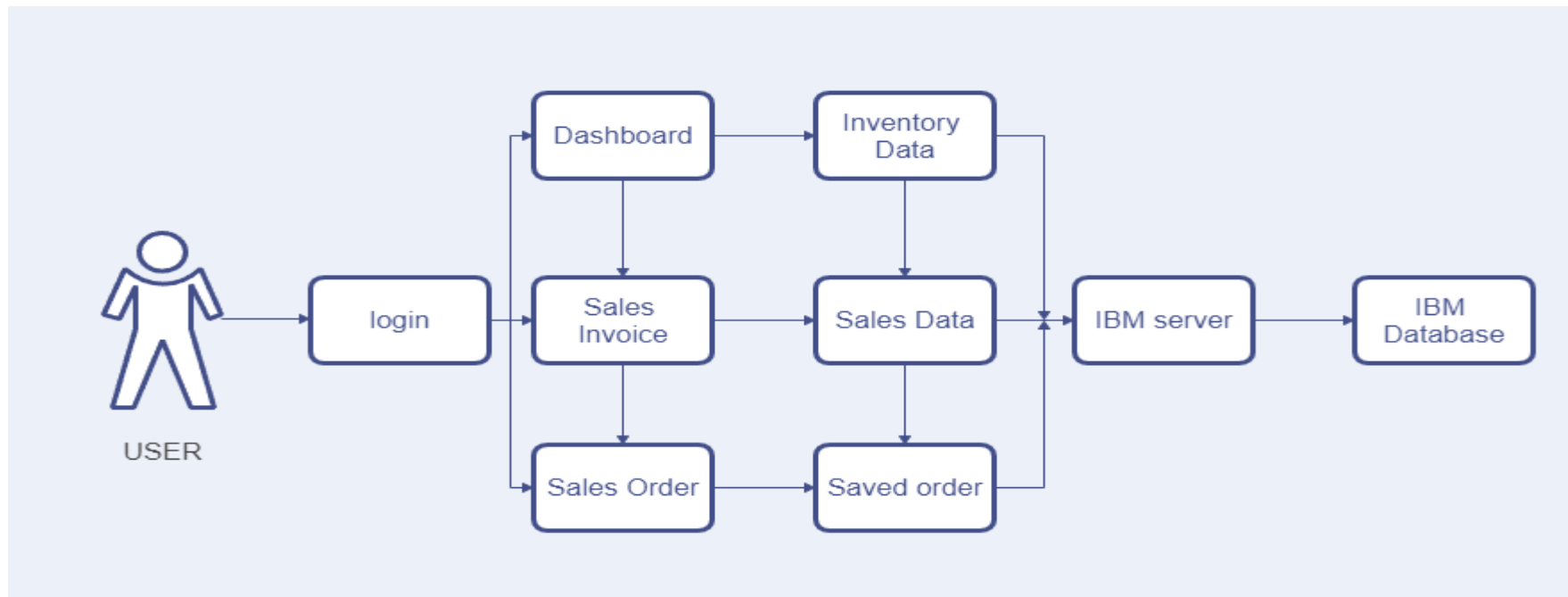
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Mobile App , Web page	HTML, CSS, JavaScript
2.	Application Logic-1	Customer Profile	PHP
3.	Application Logic-2	Supplies and Packages	IBM Watson STT service
4.	Application Logic-3	Reviews	IBM Watson Assistant
5.	Database	Data Type	MySQL
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant
7.	File Storage	File storage requirements	IBM Block Storage
8.	External API-1	Track and import order form various platform to our system	IBM API
9.	External API-2	Compline	IBM API
10.	Infrastructure (Cloud)	Application Deployment Cloud	IBM Cloud Foundry.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	micro web framework	Python Flask
2.	Security Implementations	- Session based authentication. - Role management. - Password hashing	- Basic HTTP authentication. - Token based authentication.
3.	Scalable Architecture	3 level Basic service	VR
4.	Availability	distributed servers	load balancing
5.	Performance	number of Orders per Day	MySQL