

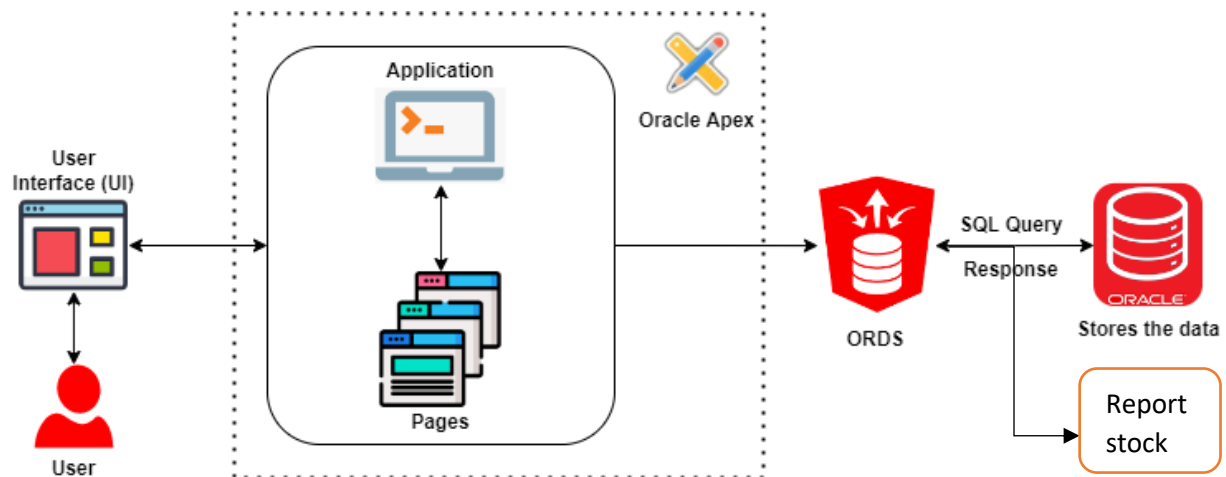
## PROJECT DESIGN PHASE – II

### TECHNOLOGY ARCHITECTURE

Date	23 October 2022
Team ID	PNT2022TMID29529
Project Name	Inventory Management System for Retailers
Maximum marks	4 marks

#### Technology Architecture:

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



**Table 1 - Components and technologies:**

S.No	Component	Description	Technology
1.	User Interface	How user interacts with the application Eg) Web UI, Mobile App, Chatbot, etc	HTML, CSS, Javascript/Angular Js/React Js, Bootstrap etc.
2.	Application Logic-1	Logic for a process in the application	Java/Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant

5.	Database	Data type, Configurations etc.	ORDS, MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File storage	File storage requirements	Oracle, IBM Block storage or Other Storage Service or Local File system
8.	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
9.	External API-2	Purpose of External API used in the application	Aadhar API, etc.
10.	Machine learning Model	Purpose of Machine Learning Model	Object recognition Model, etc.
11.	Infrastructure (Server/Cloud)	Application Deployment on Local System/Cloud Local Server Configuration	Oracle apex, Cloud Foundry, Kubernetes, etc.

**Table 2 – Application Characteristics:**

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Technology of Opensource framework
2.	Security Implementations	List all the security/access controls implemented, use of firewalls etc.	List all the security/access controls implemented, use of firewalls etc.
3.	Scalable Architecture	Justify the scalability of architecture (3-tier, Micro-services)	Technology used
4.	Availability	Justify the availability of the application (eg, use of load balances, distributed servers etc.)	Technology used
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN) etc.	Use of CDN