

Project Design Phase -II

Technology Architecture

Date	14 October 2022
Team ID	PNT2022TMID28819
Project Name	Retail Store Stock Inventory Analysis
Maximum Marks	4 Marks

Technical Architecture:

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

Example: Creating an E commerce website for ordering, delivering and knowing the products regions with its locations

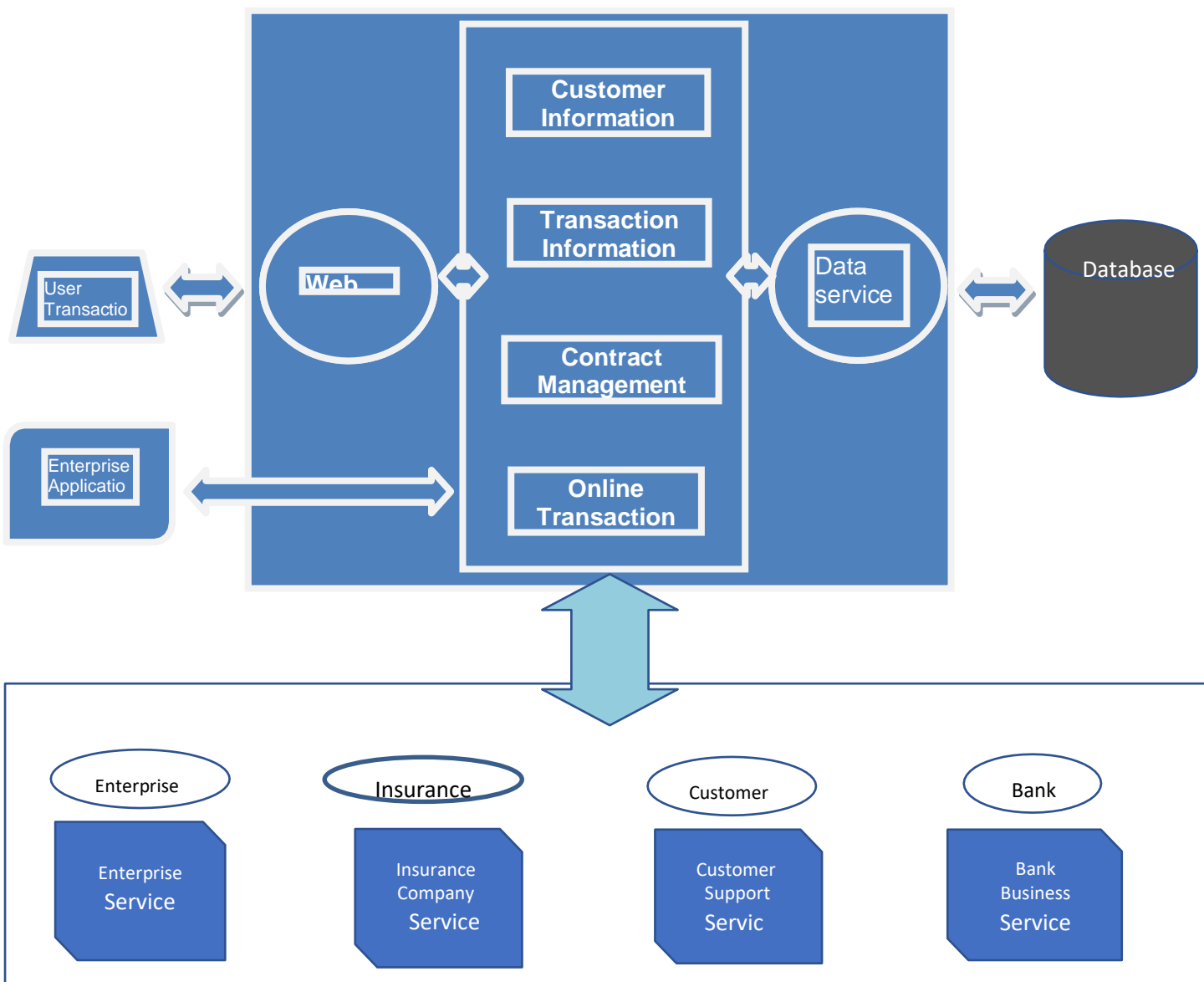


Table-1: Components & Technologies:

S.NO	Component	Description	Technology
1.	User Interface	How user interacts with application example Web UI, Mobile App, etc.	HTML, CSS, JavaScript / Angular JS / React JS etc.
2.	Customer Engagement	How the customer searching for his product with his/her unknown deliverables	Chatbots.
3.	Standardization Of Product Prices	Creating sort list based on the rate, features, distance, color.	Smart Search.
4.	Enabling M-Commerce.	By enabling M-commerce even the consumer can become as a prosumer's	Recommendation systems
5.	Utilize The Power of social media.	We should provide the suggestion by the user search and their needs	Social media monitoring
6.	Warehousing fulfilment and shipping	Ensuring the availability of product by their warehouse detail and its shipping information is stored in cloud	Cloud computing
7.	Reliable and Trusted Customer Support.	24/7 customer support will provide a customer satisfaction on their product and resolvent in their problems	Indicator analysis tools
8.	Ensuring Security.	Creating a security wall for accessing the user, with their own identity to be safe without any fraudulent	Encryption, Hash, Authentication, Firewall

Table-2: Application Characteristics:

S.NO	Characteristics	Description	Technology
1.	One-Step Registration.	Providing a authentication step for verifying the user whether he/she or not?	Fingerprints
2.	Super-fast checkout.	Clearing the orders as soon as possible will make the customer satisfaction.	RFID scanner gates
3.	Detailed Product Information.	Making a detailed information about the product could clear the customer doubts and fulfil the expected information.	Artificial intelligence (AI)
4.	Availability	Knowing the availability of product will show the availability of the product based on the customer location	Location-based marketing
5.	Product Review	For Creating a customer standard will make suggestion data base for future use	Basic web tool