Project Design Phase-II
Technology Architecture

Team ID	PNT2022TMID15244
Project Name	Retail Store Stock Inventory Analysis

Technical Architecture:

The Deliverable shall include the architectural diagrams below and the information as per the following tables.

Example: Creating an E commerce website for ordering, delivering and knowing the products regions with its locations.
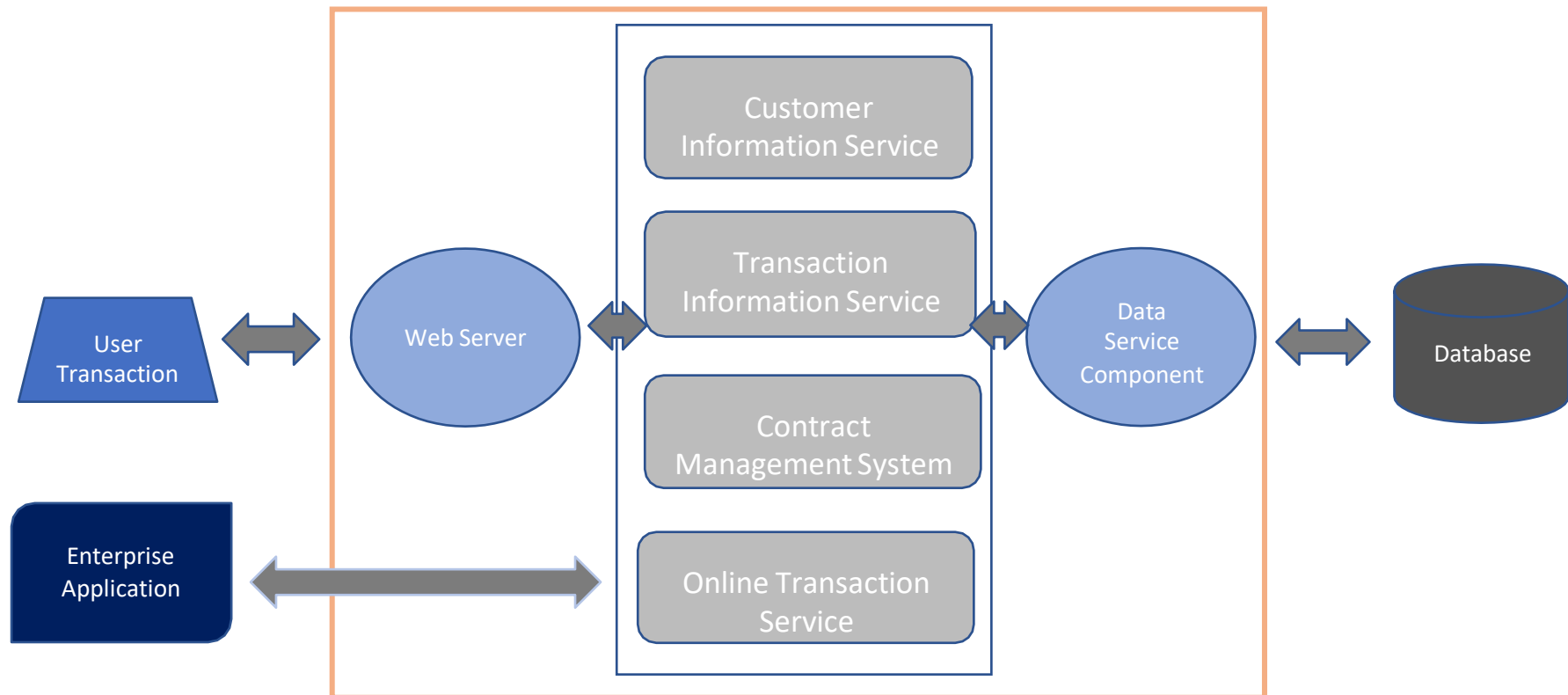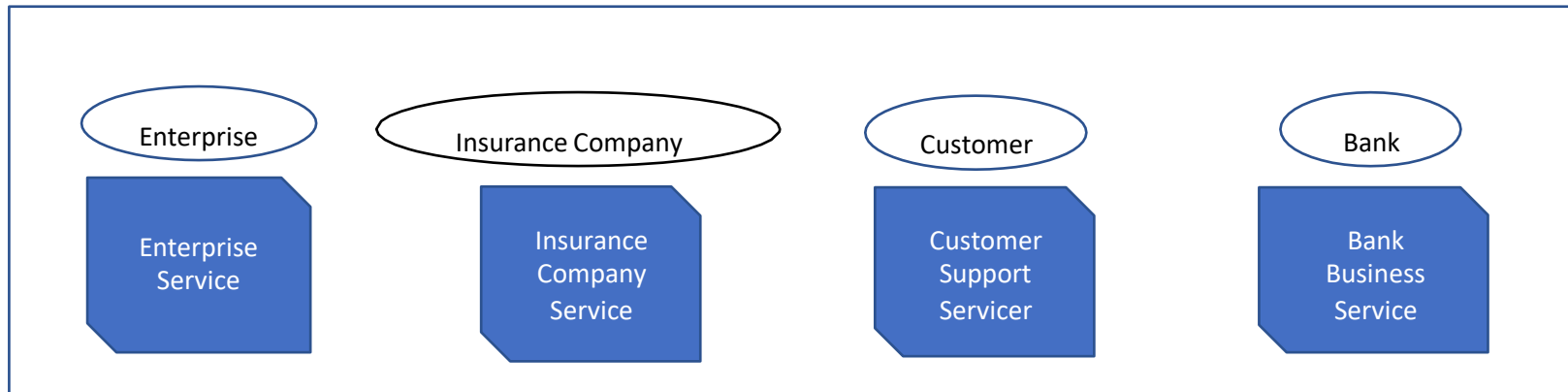
Table-1: Components &Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Standardization Of Product Prices	Creating sort list based on the rate, features, distance, colour	Smart Search.
3.	Enabling M-Commerce.	By enabling M-commerce even the consumer can become as a prosumer's	Recommendation systems
4.	Warehousing fulfilment and shipping	Ensuring the availability of product by their warehouse detail and its shipping information is stored in cloud	Cloud computing
5.	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
6.	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