

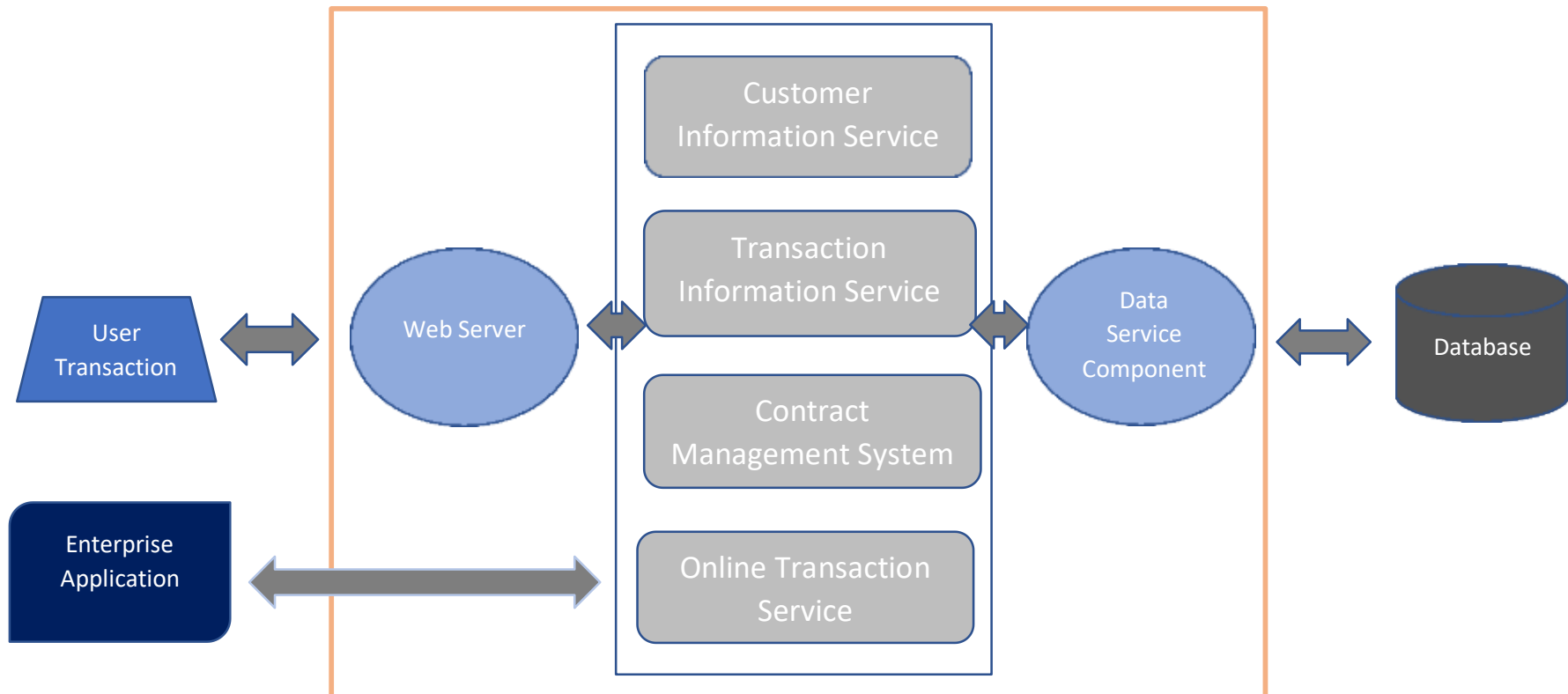
Project Design Phase-II Technology Stack (Architecture & Stack)

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|---------------|---------------------------------------|
| Date | 15 October 2022 |
| Team ID | PNT2022TMID00800 |
| 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



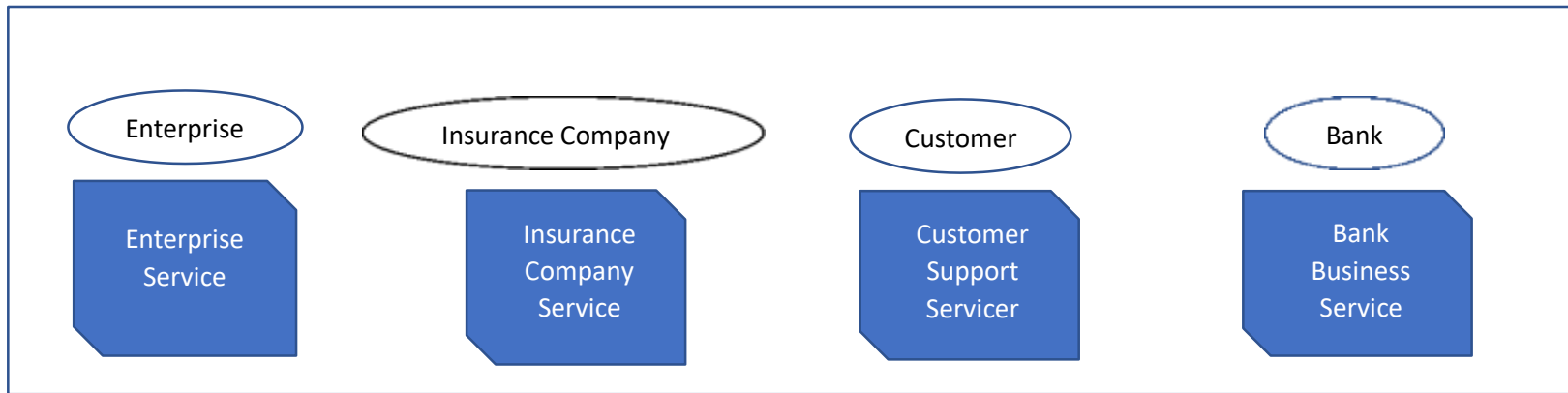


Table-1: Components & Technologies:

| S.No | Component | Description | Technology |
|------|--|--|--|
| 1. | User Interface | How user interacts with application e.g. 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, colour | 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 |