



ARTIFICIAL LEDGER TECHNOLOGY

PHARMACEUTICAL SUPPLY CHAIN MANAGEMENT

INFOMANAGEMENT - COM231

Develop by Jay Arre Talosig

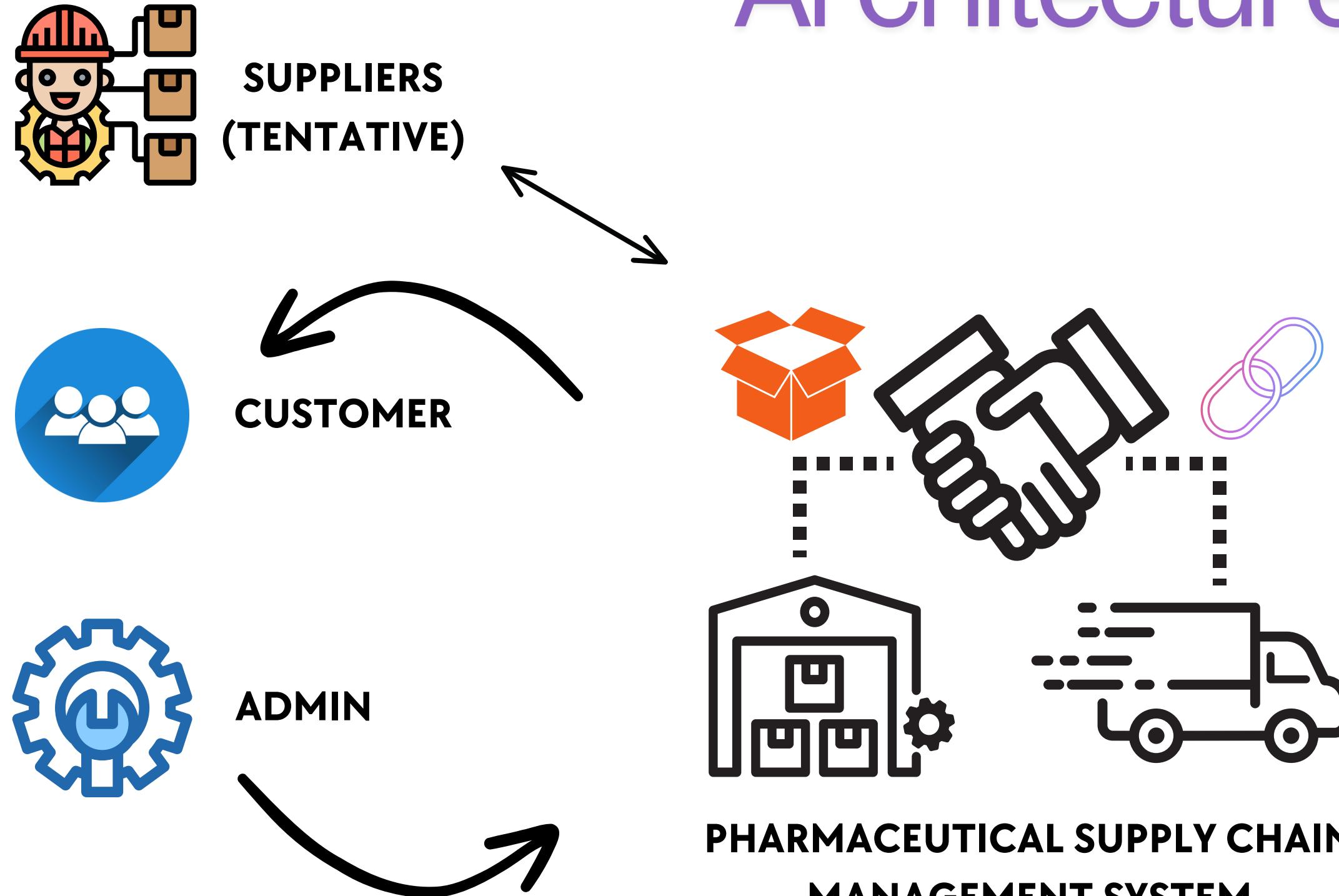


Introduction

A Pharmaceutical Supply Chain Management System focuses on the efficient flow of pharmaceutical products from manufacturers to end-users, ensuring the availability and quality of medicines. It addresses challenges like stock shortages, poor storage conditions, and inefficient logistics. Key components include inventory management, demand forecasting, and integration of technologies like IoT and Blockchain for enhanced traceability and security.



Database Architecture



KEY LEGENDS DBS



PRODUCT



SUPPLIER



CUSTOMER



ORDER



SHIPMENT



INVENTORY



Methodology

- **Purpose**

Outline the technical design for the Pharmaceutical Supply Chain Management System (PSCMS).

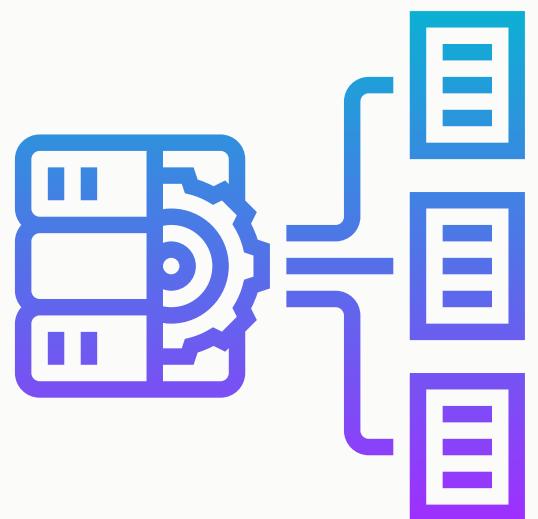
- **Scope**

Covers procurement, manufacturing, packaging, storage, distribution, and retail processes.

Database Design



Entities and Relationships



- Product: Product ID, Name, Description, etc.
- Supplier: Supplier ID, Name, Address, etc.
- Customer: Customer ID, Name, Address, etc.
- Order: Order ID, Order Date, Customer ID, etc.
- Shipment: Shipment ID, Order ID, Shipping Date, etc.
- Inventory: Inventory ID, Product ID, Quantity, etc.



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