



# Project Proposal

## Project Name : Wholesale Management System (Shoes)

- Background Description :

The wholesale industry involves complex operations such as bulk ordering, inventory management, payment handling, shipment tracking, and communication between various stakeholders. Traditionally, these processes are handled manually, leading to delays, errors, miscommunication, and limited visibility across the supply chain.

The **Wholesale Management System (Shoes)** digitalizes the entire workflow by creating a unified platform for:

- **Retailers** to browse products, place orders, track shipments, make payments, and submit reviews.
- **Admin** to manage and update inventory, approve orders, confirm payments, update shipment status, and create promotional offers.
- **Delivery Men** to receive delivery assignments, update delivery status, and confirm successful deliveries in real-time.
- **Shop Managers** to manage day-to-day shop operations, oversee local stock, and ensure that retailer orders are processed smoothly.

- **Owners (Observers)** to monitor overall business performance, view analytics, and track system activity without interfering in operations.

By connecting all these roles in a single system, the platform increases operational efficiency, ensures accuracy in stock and deliveries, offers transparency in payments, and enhances business decision-making through real-time data.

- Target group of users:

Below are all user groups who will benefit from the system:

## 1. Retailers (Primary Users)

Retailers are the main customers who buy shoes in bulk. They need:

- Product browsing
- Placing orders
- Tracking shipments
- Choosing payment method (LC / other)
- Viewing payment summary
- Checking offers
- Submitting reviews

They use the system daily to run their business smoothly.

## 2. Admin (System Manager)

Admins are responsible for managing the wholesale operations. They need:

- Inventory management
- Order processing
- Shipment updates
- Payment confirmations
- Creating offers
- Managing retailer accounts

Admins keep the system operational and updated.

### **3. Delivery Man**

Delivery personnel ensure orders reach retailers. They need:

- Viewing assigned deliveries
- Checking retailer addresses
- Updating delivery status (On the way / Delivered)
- Confirming successful drop-offs

They use the system during delivery operations.

### **4. Shop Manager**

Shop managers operate at the physical stock location. They need:

- Managing local stock
- Handling daily incoming/outgoing inventory
- Viewing daily orders
- Coordinating with Admin and Delivery Man
- Ensuring efficient order processing

They work behind the scenes to maintain workflow.

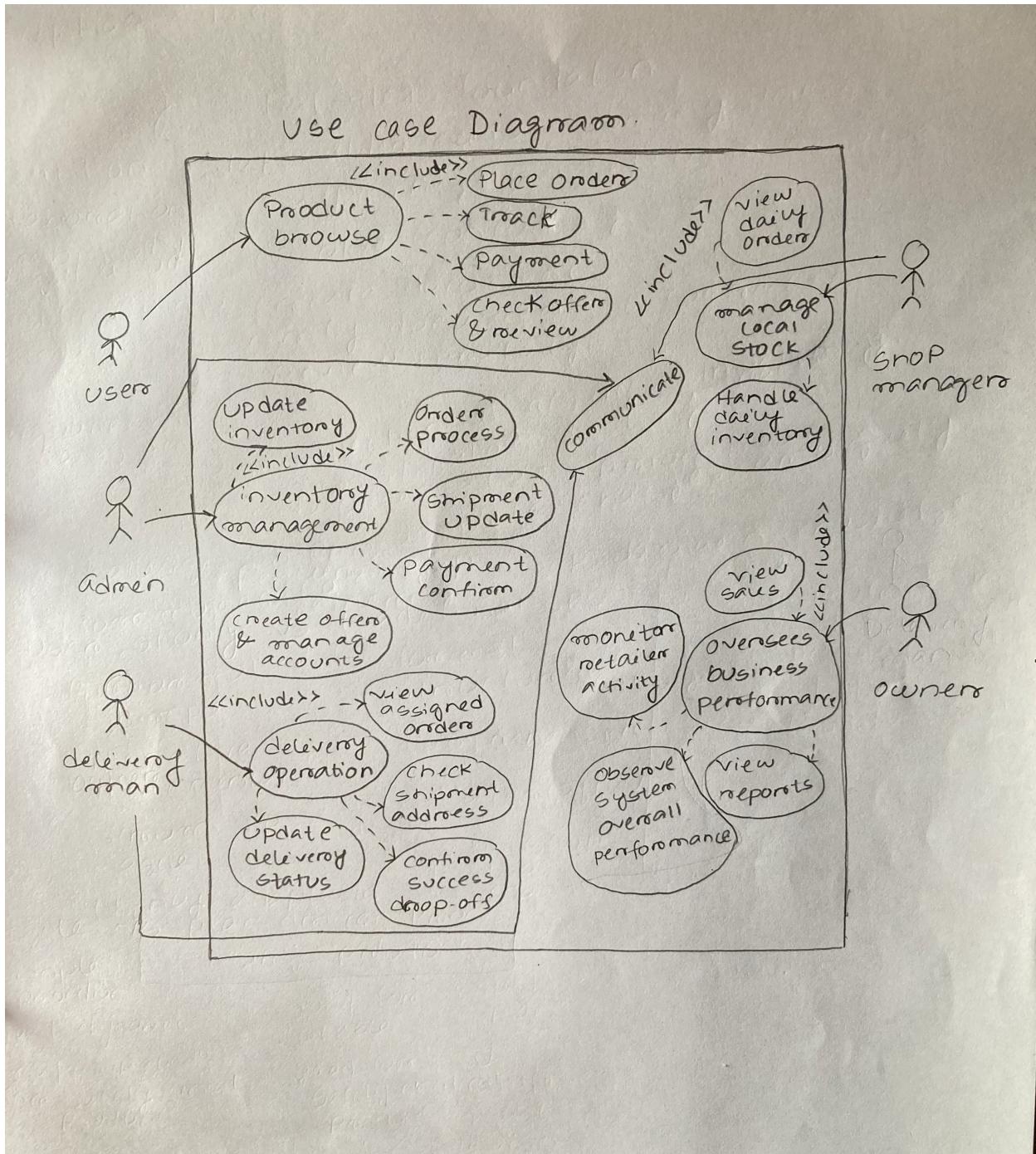
### **5. Owner (Observer Role)**

The owner oversees business performance. They need:

- Viewing reports
- Viewing sales analytics
- Monitoring retailer activity
- Observing overall system performance

The owner does not interact with daily operations; they focus on business insights.

## Use case diagram for the management system



# Class Diagram for the management system

