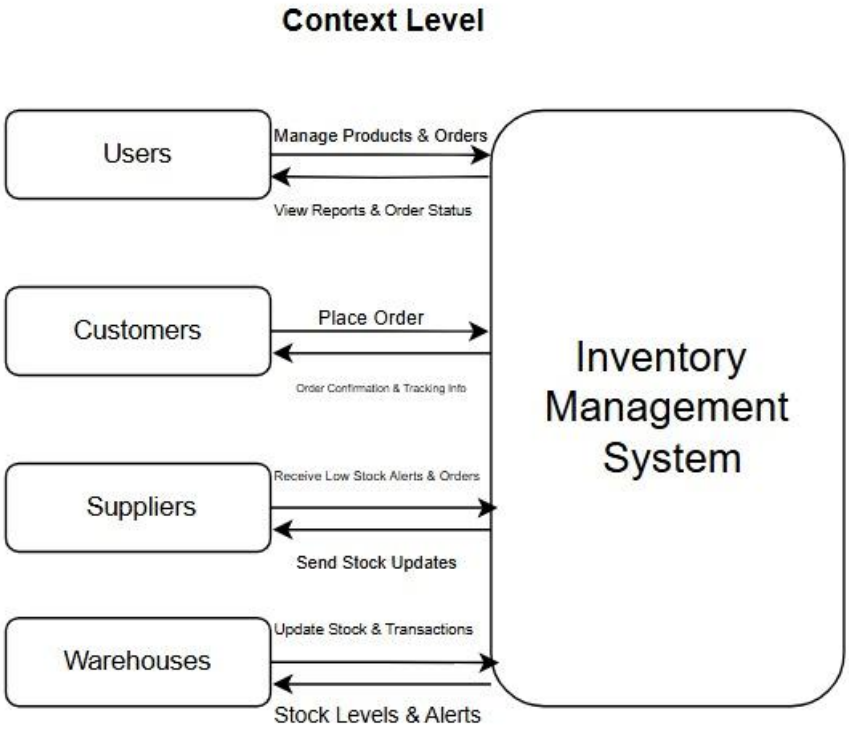
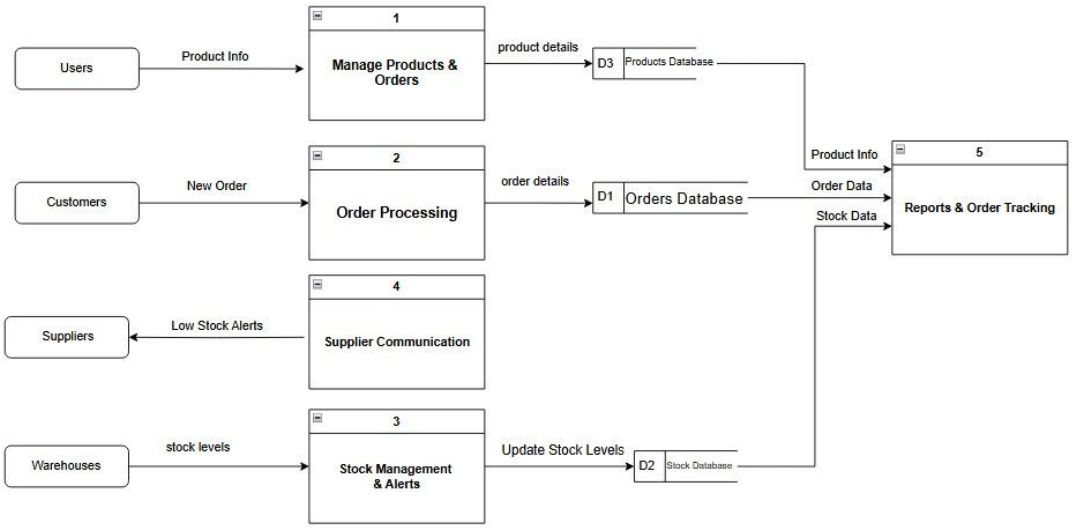
3.Data Flow & System Behavior

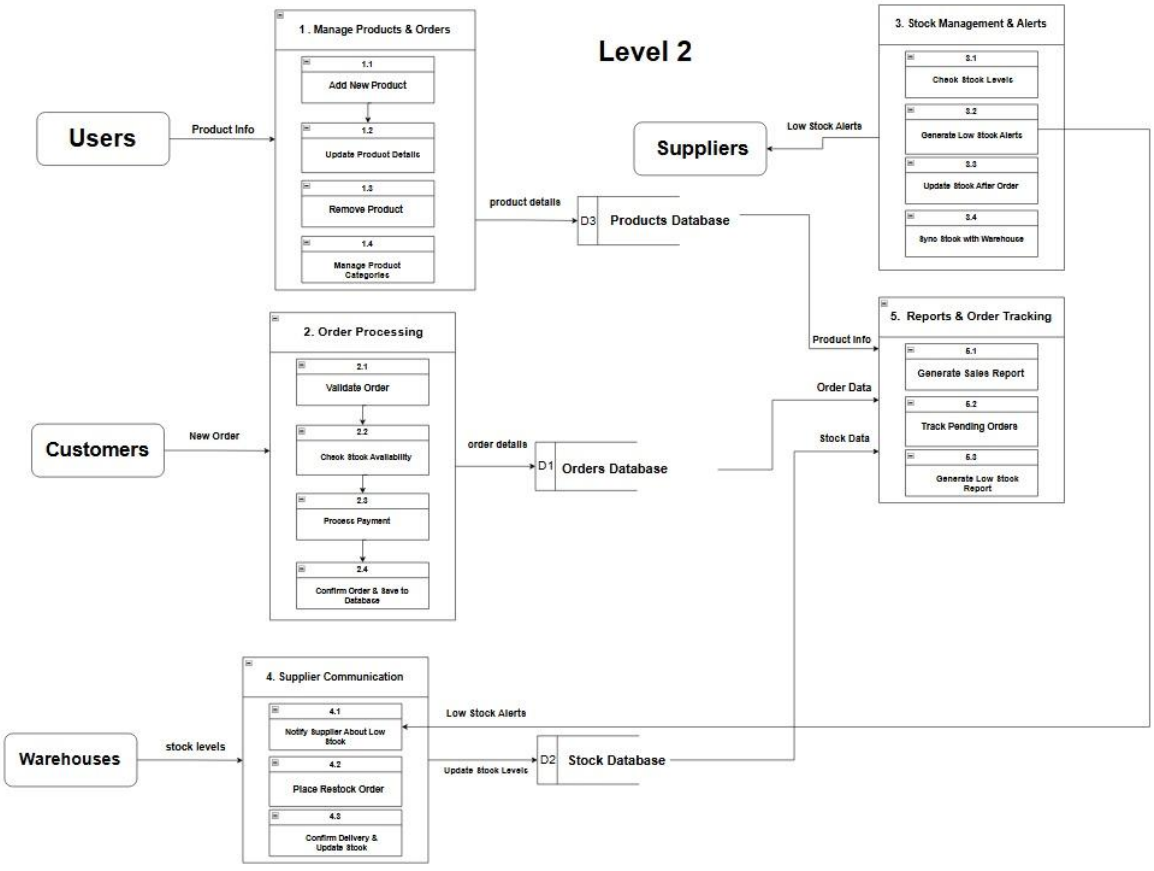
DFD (Data Flow Diagram)



Level 1

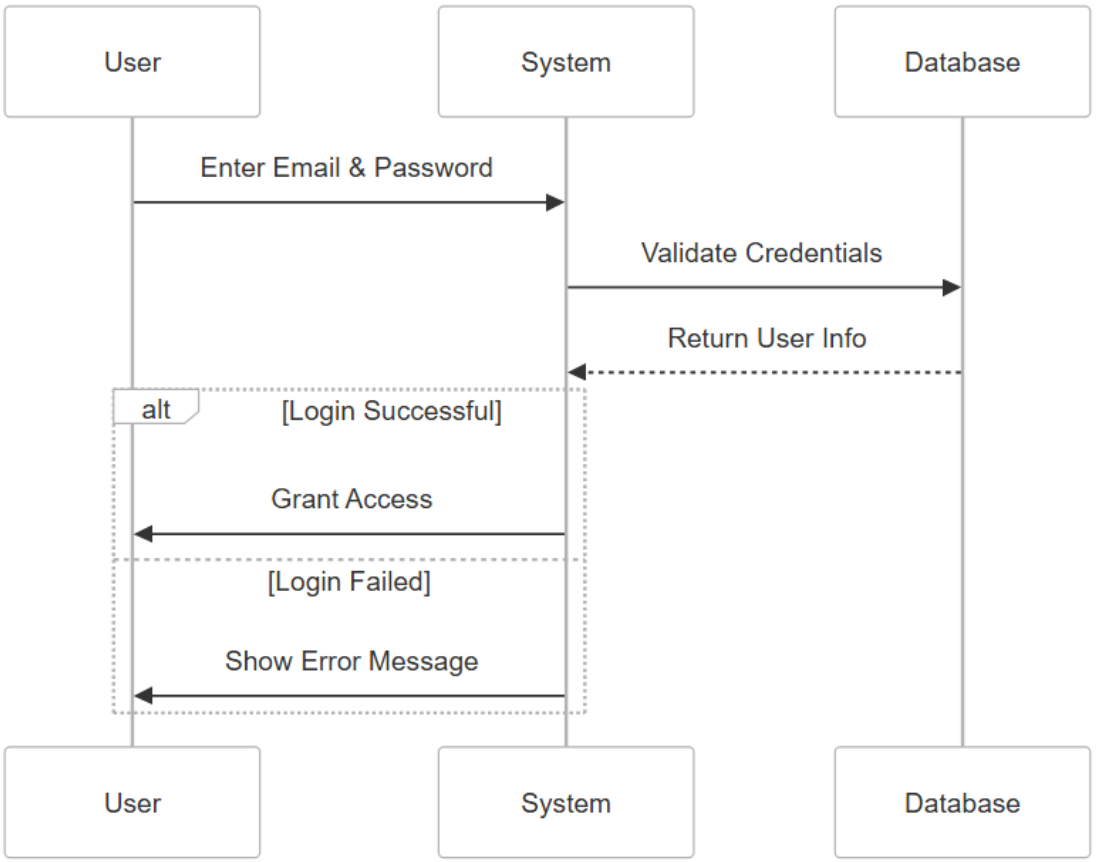


Level 2

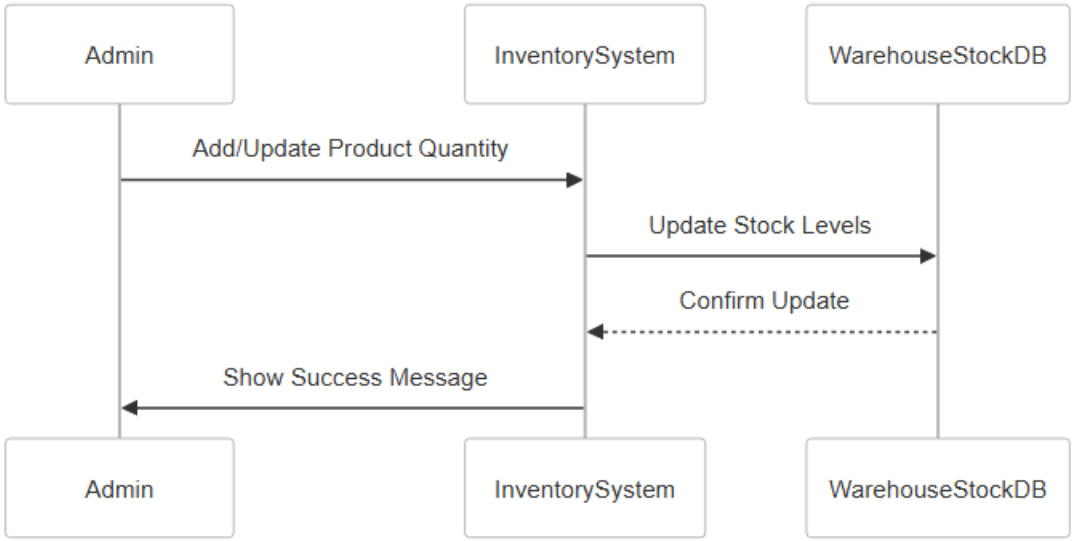


Sequence Diagrams

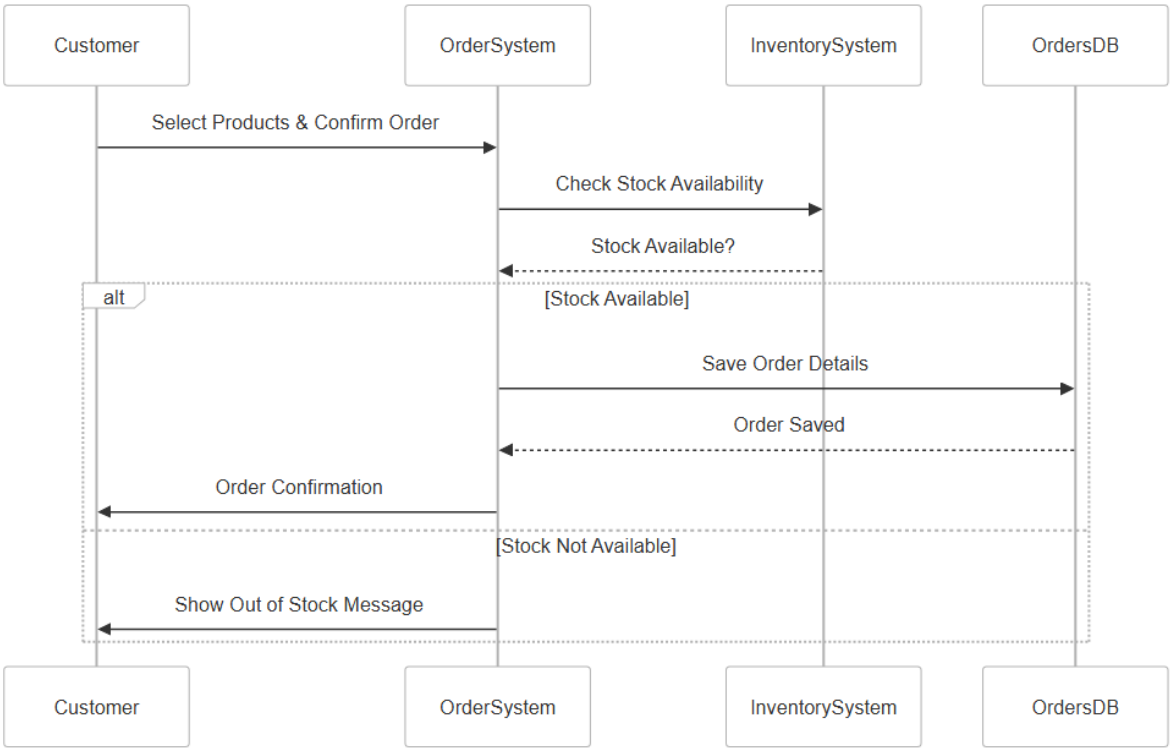
User Authentication & Login



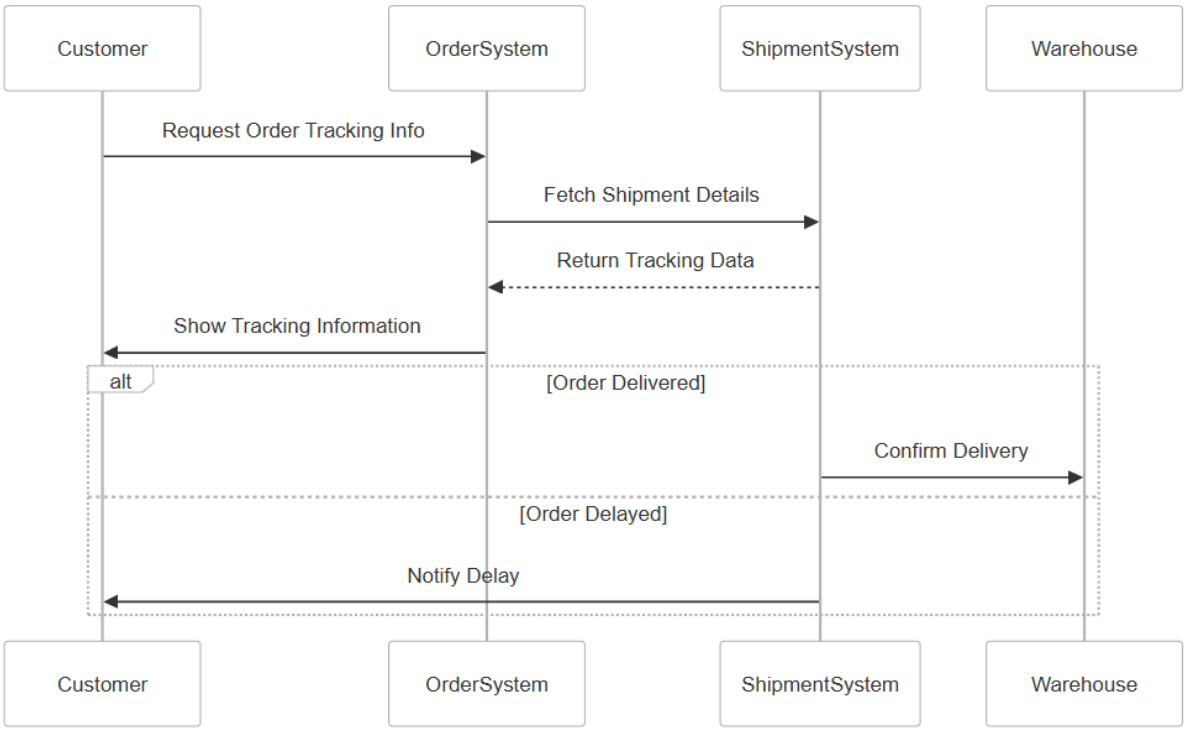
Stock Management (Add/Update Stock)

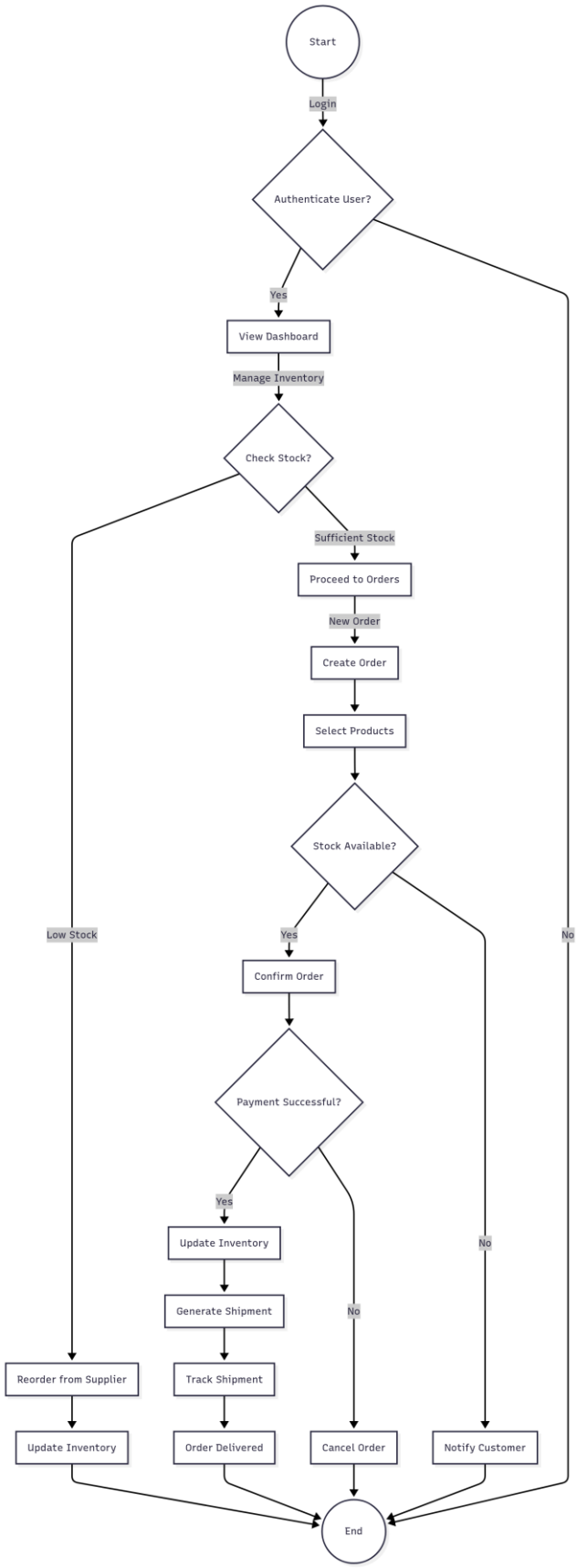


Order Processing (Customer Places an Order)



Shipment Tracking

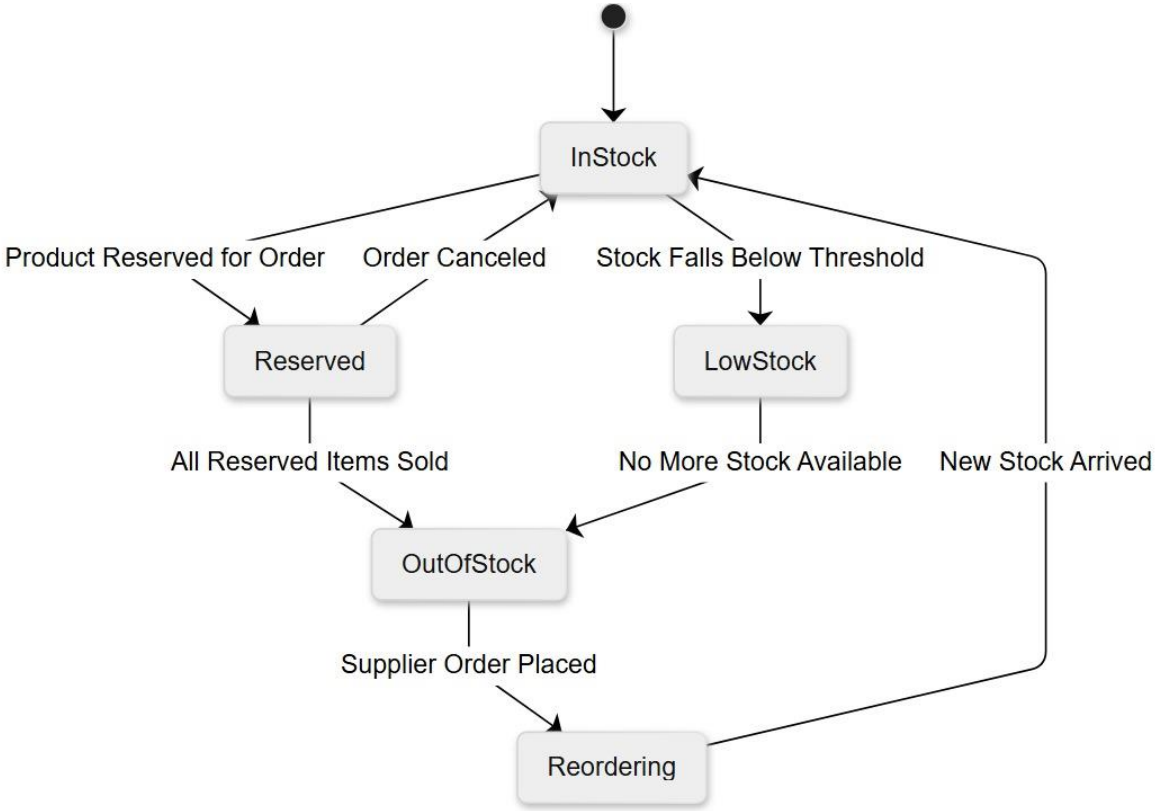




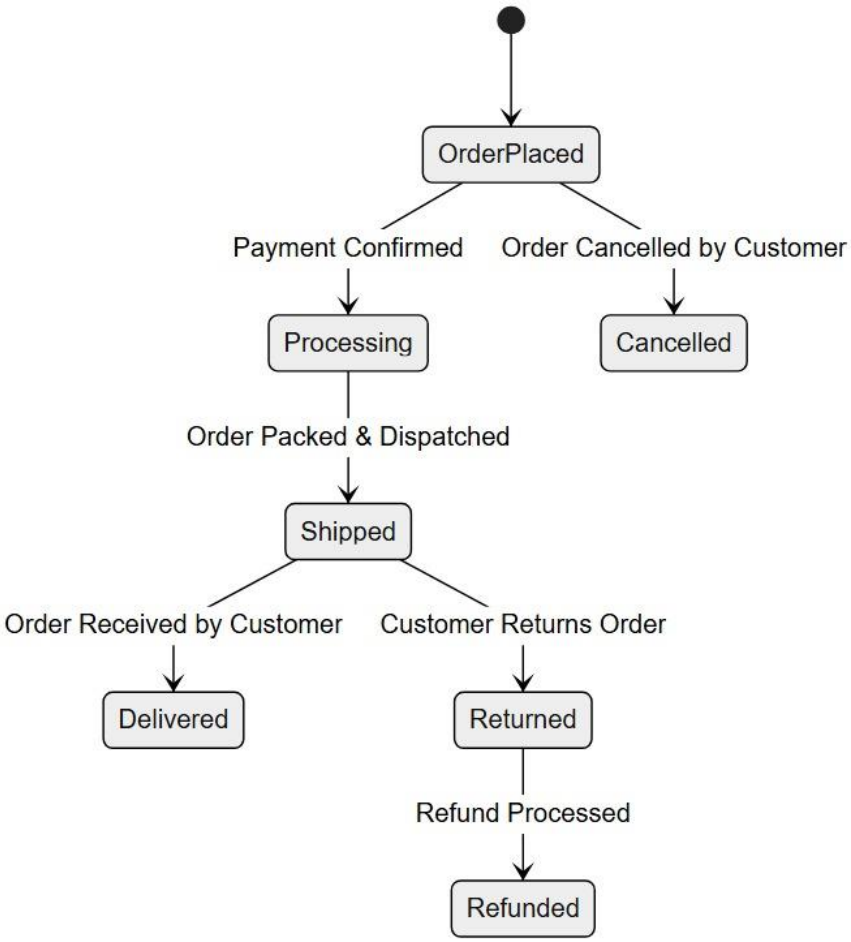
Activity Diagram

State Diagram

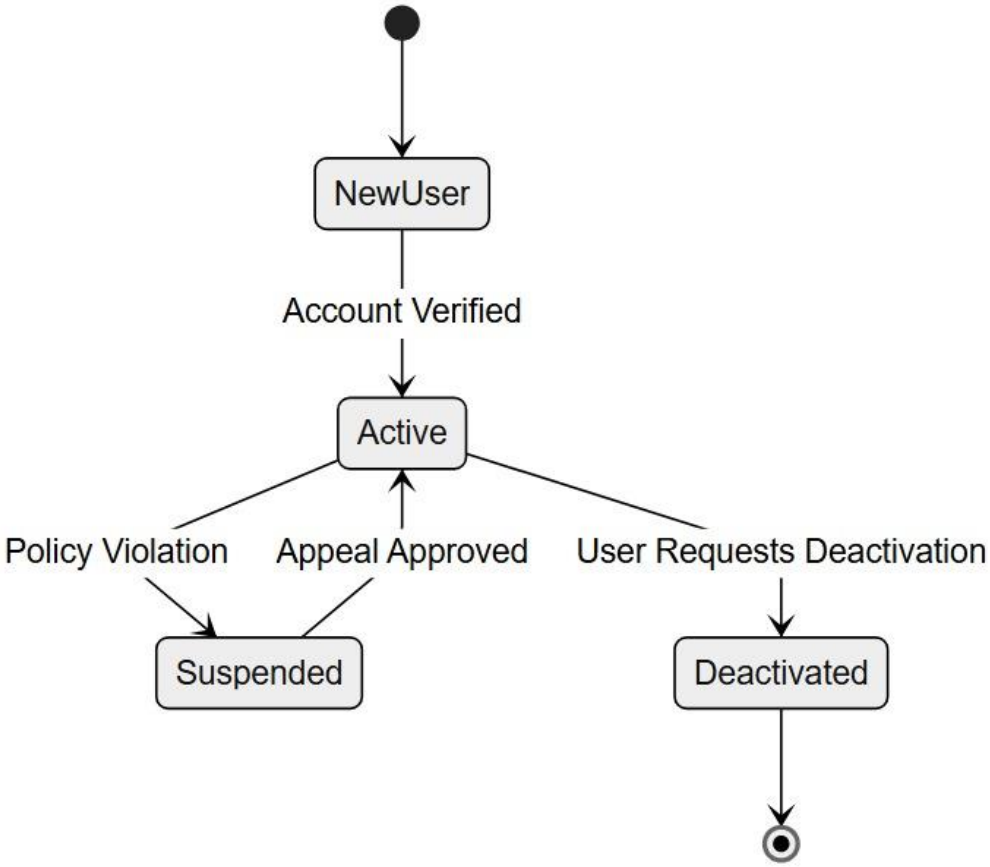
Product Stock Lifecycle



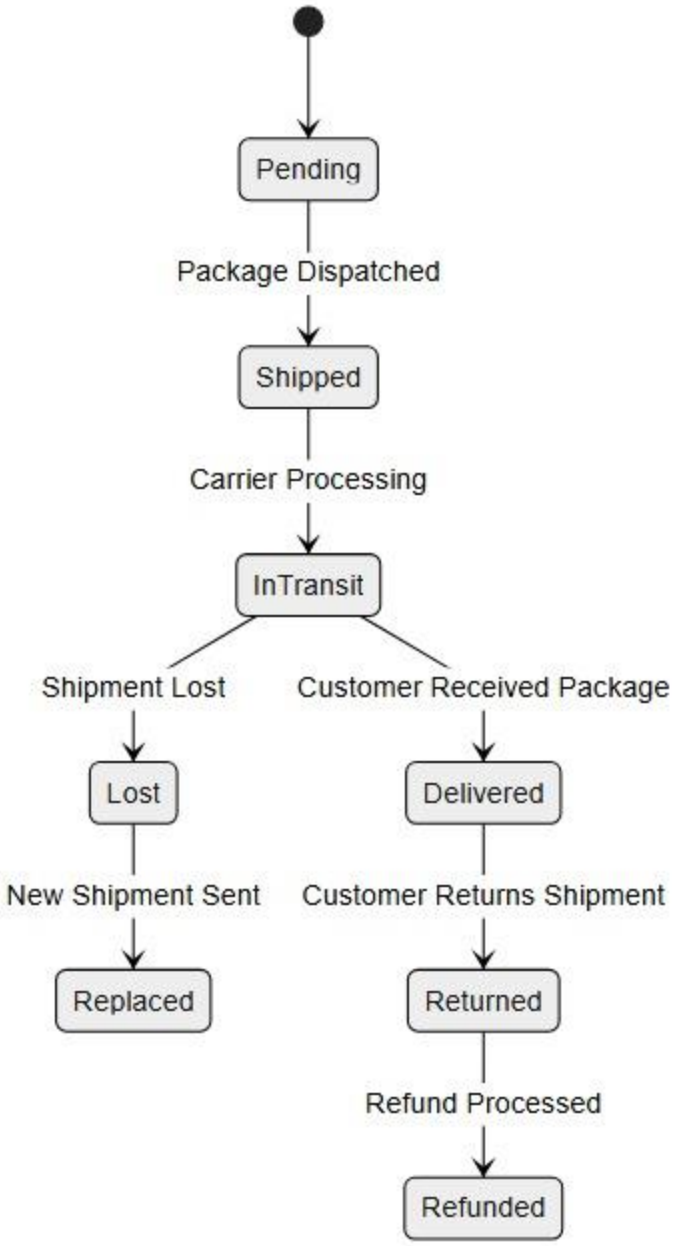
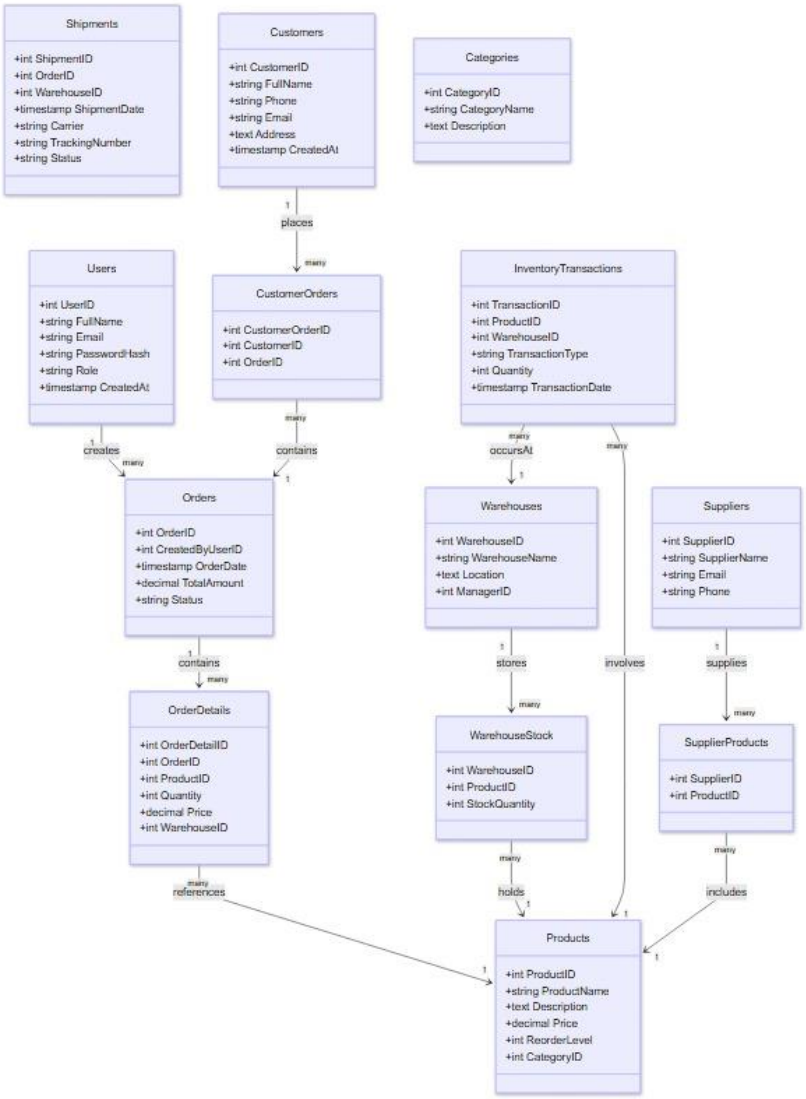
Order Processing Lifecycle



User Account Lifecycle



Shipment Status Lifecycle


Pending
Package Dispatched
Shipped
Carrier Processing
InTransit
Shipment Lost
Customer Received Package
Lost
Delivered
New Shipment Sent
Customer Returns Shipment
Replaced
Returned
Refund Processed
Refunded

Class Diagram