

Formal Requirement Use Cases

Order Management

1.1 Order Creation:

The user shall be able to create a new order by providing their customer ID and a list of items.

1.2 Order Modification:

The user shall be able to modify an existing order by updating the list of items.

1.3 Order Cancellation:

The user shall be able to cancel an existing order.

1.4 Order Completion:

The user shall be able to mark an order as completed once the order has been fulfilled.

1.5 Order Tracking:

The system shall allow the user to track the status of an order using the order ID.

1.6 Order Details:

The system shall allow the user to view the details of an order, including all associated items and their costs.

1.7 Total Order Cost Calculation:

The system shall calculate the total cost of an order, including the costs of all items.

Shipment Management

2.1 Shipment Creation:

The system shall allow the user to create a shipment for an order by providing the order ID and destination address.

2.2 Shipping Cost Calculation:

The system shall calculate the shipping cost for a given order based on relevant criteria.

2.3 Shipment Tracking:

The system shall allow the user to track the status of a shipment using the shipment ID.

2.4 Shipment Status Update:

The user shall be able to update the shipping status of a shipment by providing the shipment ID and new status.

2.5 Shipment Shipping:

The system shall mark a shipment as shipped and update its shipping status accordingly.

Shipping Label Management

2.6 Generate Shipping Label:

The system shall generate a shipping label for a given shipment.

2.7 Add Shipping Label to Shipment:

The system shall allow the user to attach a shipping label to a shipment.

Customer Management

3.9 Customer Order History:

The system shall allow the user to retrieve all past and present orders for a given customer.

3.10 Customer Details:

The system shall allow the user to retrieve basic details about a customer.

Supplier Management

4.1 Retrieve Supplier Details:

The system shall allow the user to retrieve the details of a supplier, including the supplier's name, address, and contact information.

4.2 Price an Order from Supplier:

The system shall calculate the total cost of an order placed with a supplier based on the supplier's item ID and the quantity of items ordered.

4.3 Place an Order with Supplier:

The system shall allow the user to place an order with a supplier by specifying the supplier's item ID and the quantity of items to be ordered.