

Tracking Inventory			
	ACTOR		SYSTEM
1	Requests to view inventory Data		
2	Provides a parameter to search		
		3	Generates a list and displays a list to choose from
4	Chooses an option from list; If option is exit, go to 6		
		5	Display data for selected product
		6	Exit

Accept Client Orders and Process			
	ACTOR		SYSTEM
1	Places an order		
		2	Checks if client has outstanding balacance; if true ERROR
		3	Checks if item is in stock; If false request user's preference on waitlist; If true go to 6
4	Selects waitlist or not; If not go to 8		
		5	Place clientID in waitList; go to 8
		6	Generate Invoice and calculate cost
		7	Apply invoice to client
		8	Exit

Search			
	ACTOR		SYSTEM
1	Provides a parameter to the search function		
		2	Searches clientList, invoices, transactions, inventory, shipments, and suppliers
		3	List of objects containing provided parameter

Tracking Product			
	ACTOR		SYSTEM
1	Chooses to retrieve a product list		
		2	Returns list of suppliers and the products they provide

Customer Transaction Tracking			
	ACTOR		SYSTEM
1	Requests a Client's Transaction history		
		2	Returns a list of transactions user participated in

Accepting Customer Payment			
	ACTOR		SYSTEM
1	Customer has placed an order, an invoice is made, and user is routed to payment		
		2	Request customer payment information
3	Provides payment information		
		4	Attempts to authorize charges; if failed go to 2
		5	Apply payment to client balance

Accept Shipment			
	ACTOR		SYSTEM
1	Shipment arrive to the warehouse		
2	ACTOR requests to log arriving products		
		3	Requests productID; if the productID exists add one to currentStock; go to 5
		4	Make new product object requesting name, purchasePrice, salePrice, supplierID; add one to currentStock
		5	Check wait list orders; if one exists process waitlist

Generate Invoice			
	Order		Invoice
1	Client placed an order		
		2	Requests clientID, orderNumber, productList, productQuantities
3	Provides clientID, orderNumber, productList, productQuantities		
		4	Calculates balances due
		5	Saves date
		6	Assigns itself to the client with the matching clientID

Check Supplier Inventory			
	ACTOR		SYSTEM
1	Requests to view supplier inventory		
		2	Requests which supplier
3	Specifies a parameter		
		4	Searches suppliers for parameter and provides a list of results
		5	Request user to specify which supplier and product parameter
6	Selects supplier; if no product parameter go to 7; if product parameter go to 8		
		7	Display a list of all supplier's inventory; ignore step 8
		8	Display inventory for specified parameter

Add New Member			
	ACTOR		SYSTEM
1	Requests to add a member to the system		
		2	Requests member type
3	Specifies if the new member is a client, product or supplier		
		4	If new member is client go to 5; if new member is product go to 6; if new member is supplier go to 7
		5	Generate client ID and request client data, go to 8
		6	Generate product ID and request product data
		7	Generate supplier ID and request supplier data
		8	Wait for input
9	Provide member data		
		10	Save member data