Project Title : “ Inventory & Order Tracking Dashboard “

Phase 4: Process Automation

1. Apex Trigger – Update Stock Quantity

Whenever an Order Item is created, updated, or deleted, the system should automatically update the Product’s Stock Quantity.

- **Example:**

If a Laptop has Stock = 10 and a new Order Item is created with Quantity = 2, the Stock should reduce to 8.

If the Order Item is deleted, the Stock should increase back.

📌 **Implementation:**

Create an Apex Trigger on Order_Item__c.

Use a Handler Class (OrderItemHandler.cls) to write clean logic.

2. Flow – Auto-Populate Order Date

Instead of requiring users to enter the Order Date, we can set it automatically when a new Order is created.

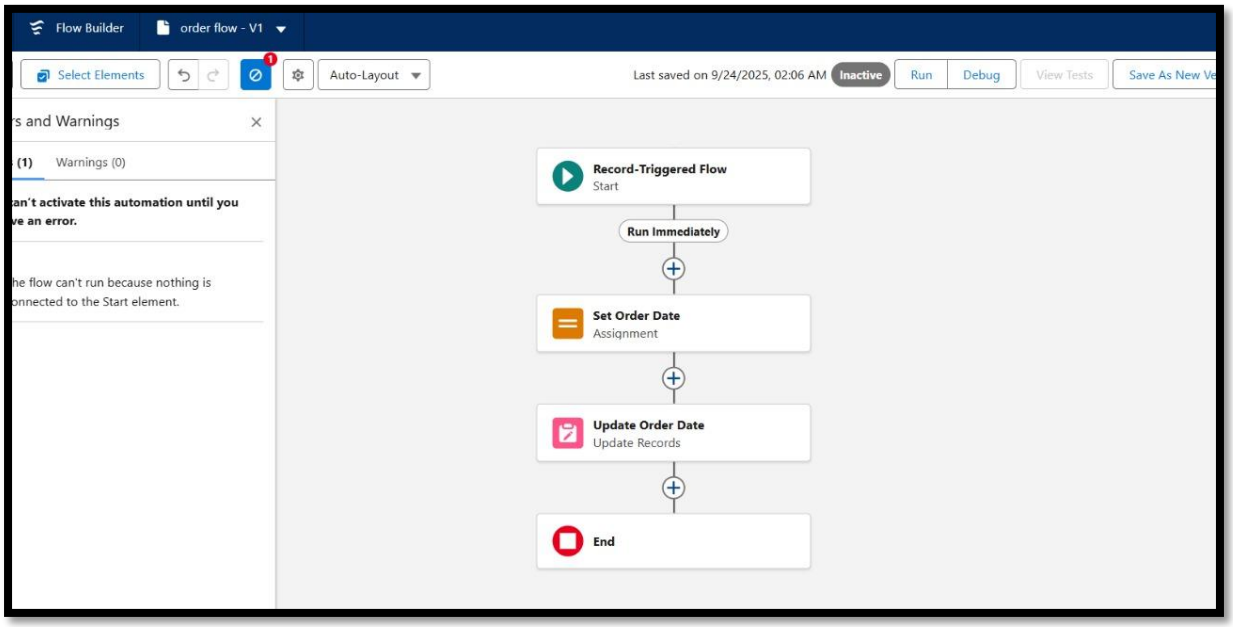
📌 **Implementation:**

Setup → Flows → Record-Triggered Flow.

Object: Order__c.

Trigger: When record is created.

Action: Set field Order_Date__c = TODAY().



3. Validation Rules

Validation Rules ensure data quality.

4. Approval Process

For real-world scenarios, orders above a certain value may require approval.

- **Example:**

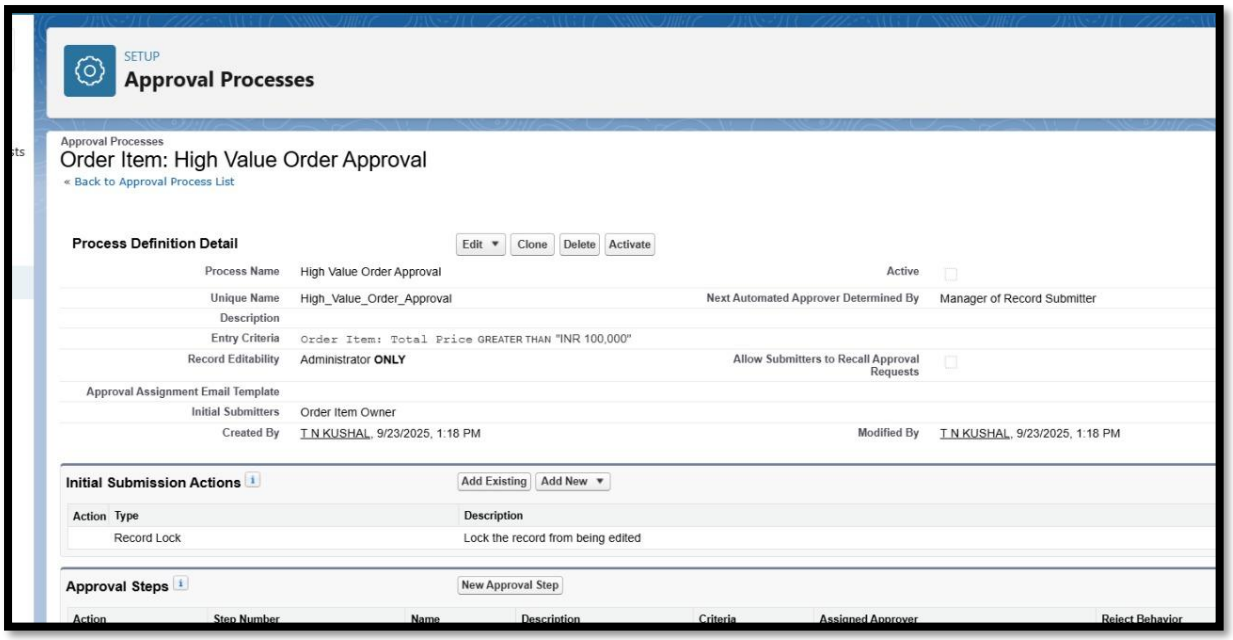
If Total Order Value > ₹1,00,000, send the Order for approval by a Manager.

📌 **Implementation:**

Setup → Approval Processes → Create new for Order__c.

Entry Criteria: Total_Value__c > 100000.

Approver: Role = Manager.

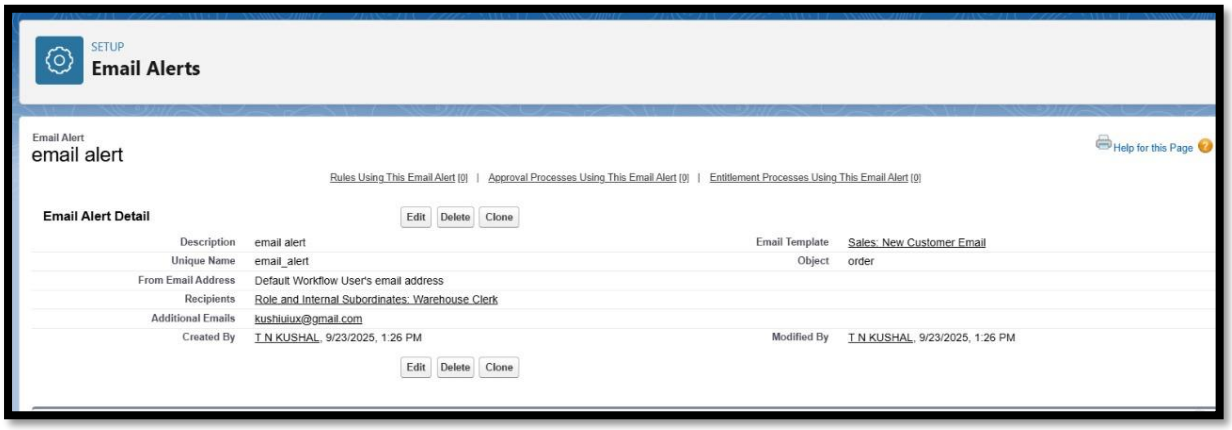


5. Notifications & Alerts

To keep users informed:

Create an Email Alert when an Order is Delivered.

Use Chatter Post Action to notify the warehouse team when stock falls below 5



Outcome of Phase 4

At the end of this phase:

Stock levels update automatically via Apex Trigger.

Order Date is set automatically using Flow.

Validation Rules ensure correct data entry.

Approvals and alerts keep the process controlled.