**Phase 4: Automation**

* **Validation Rules:** Prevent stock < 0, order without a customer.

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**Flows:**

* **Auto-reduce stock when order is confirmed**
  + **Record-Triggered Flow** on **Sale\_\_c** (when Status = “Completed”).
  + Loop through related **Sale Line Items**.
  + For each item → reduce **Book.Stock\_Quantity\_\_c** by Quantity.
* **Auto-send email on order confirmation**
  + Same flow as above → after reducing stock, send email to customer with order summary.
* **Trigger stock alert when < 10**
  + **Scheduled Flow or Record-Triggered Flow** on Book\_\_c.
  + If **Stock\_Quantity\_\_c < 10** →
    - Send alert to manager (Email or Chatter post).
    - Create a **Restock Request record** (if you set up a Restock object).
* **Update Customer’s Total Purchases**
  + When a Sale is “Completed,” update **Customer.Total\_Purchases\_\_c**.

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* **Approval Process:** For supplier restock requests.
  + **Object**: Restock\_Request\_\_c (custom object you can create).
  + **Fields**: Book\_\_c, Requested\_Quantity\_\_c, Status\_\_c, Requested\_By\_\_c.
  + **Process**:
    - Employee creates a restock request when stock < 10.
    - Request goes to **Manager** for approval.
    - If approved → notify supplier to deliver.
    - If rejected → mark request as “Rejected” and alert the employee.

**Email Alerts:** Notify manager when restock needed.

Emails automatically notify stakeholders when key conditions are met.

1. **Customer Notification**
   * “Your order SALE-0001 has been confirmed. Thank you for shopping!”
2. **Manager Notification**
   * “Stock for *Book Title* is below 10. Please review restock requests.”
3. **Supplier Notification**
   * On approved restock requests, auto-email supplier with **Book + Quantity needed**.
4. **Customer Loyalty Updates**
   * For “Premium” customers, send automated emails with discounts after every X purchases.