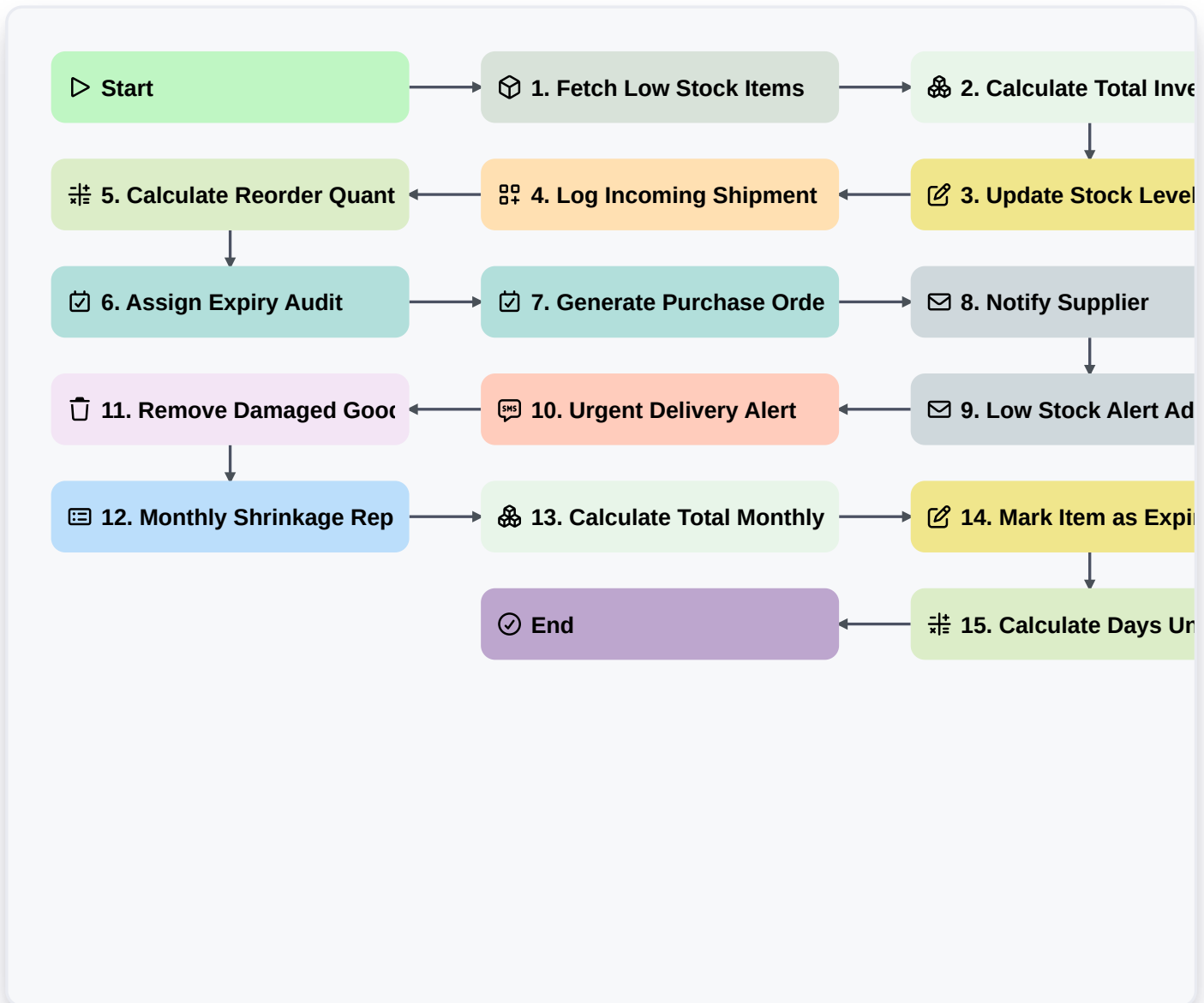


Pharmacy Inventory Management Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Low Stock Items

Retrieve all drug entries from the Inventory Data Model where current_stock is below the reorder_level.

🧮 2. Calculate Total Inventory Value

Sum the product of (unit_price * current_stock) for all items in the pharmacy inventory.

✍️ 3. Update Stock Level

Update the quantity_on_hand field for a specific medication entry after a sale or delivery.

📦 4. Log Incoming Shipment

Create a new entry in the 'Shipment Log' data model when new stock arrives.

🧮 5. Calculate Reorder Quantity

Calculate the difference between the target_stock_level and the current_stock_level to determine how much to order.

📅 6. Assign Expiry Audit

Create a task for the Pharmacist Technician to physically check the expiration dates of items in the 'Cold Storage' zone.



7. Generate Purchase Order

Create a task for the Procurement Officer to review and approve the generated order list.

8. Notify Supplier

Send an automated email to the vendor's contact address with the list of required medications.

9. Low Stock Alert Admin

Send an email alert to the Pharmacy Manager when critical life-saving drugs reach zero stock.

10. Urgent Delivery Alert

Send an SMS to the warehouse driver when a high-priority replenishment order is ready for pickup.

11. Remove Damaged Goods

Delete entries from the 'Active Inventory' model for items that have been flagged as expired or unsalvageable.

12. Monthly Shrinkage Report

Generate a report summarizing the discrepancy between recorded stock and physical stock counts found during audits.

13. Calculate Total Monthly Spend

Aggregate the total cost of all 'Shipment Log' entries created within the current month.

14. Mark Item as Expired

Update the status of a medication entry to 'Expired' and move it to the 'Disposal' list.

15. Calculate Days Until Expiry

Subtract the current system date from the medication's expiry_date to identify items nearing expiration.

End

End of the Workflow/Process.