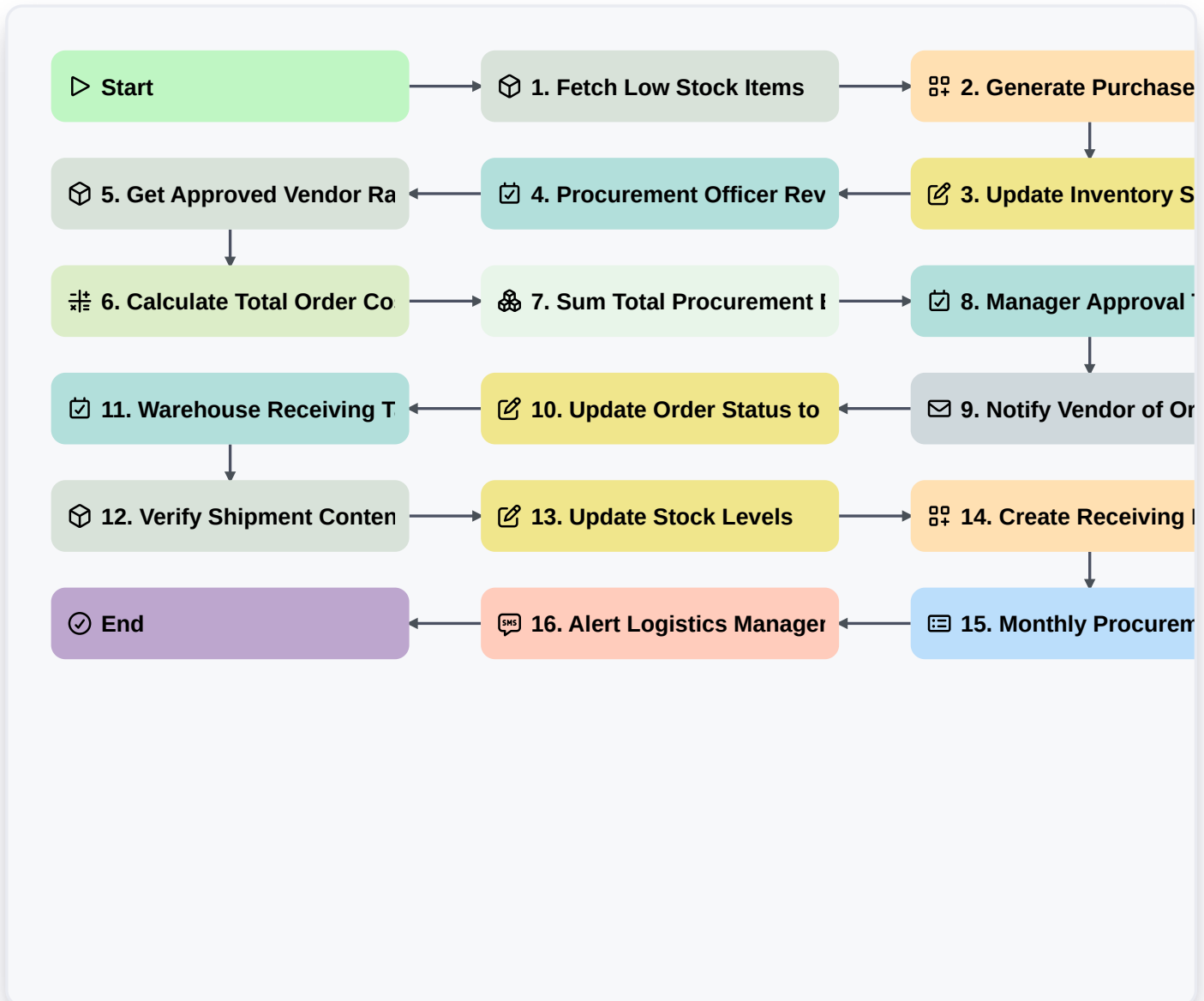


Medical Supply Chain And Procurement Workflow



▶ Start

Start of the Workflow/Process.

📦 1. Fetch Low Stock Items

Retrieve all entries from the Inventory Data Model where quantity is below the safety threshold.

📄 2. Generate Purchase Requisition

Create a new entry in the Procurement Requests Data Model based on identified low stock items.

✍️ 3. Update Inventory Status

Update the 'Status' field of the identified inventory items to 'Reorder Pending'.

📅 4. Procurement Officer Review

Assign a task to the Procurement Officer to review the newly created Purchase Requisition.

📦 5. Get Approved Vendor Rates

Fetch pricing and lead time data from the Vendor Data Model for the required supplies.



6. Calculate Total Order Cost

Calculate the total cost of the requisition by multiplying unit prices by requested quantities.

7. Sum Total Procurement Budget

Aggregate the total cost of all pending purchase requisitions to check against the monthly budget.

8. Manager Approval Task

Create a task for the Supply Chain Manager to approve or reject the calculated order cost.

9. Notify Vendor of Order

Send an email to the selected Vendor's contact address with the approved Purchase Order details.

10. Update Order Status to 'Ordered'

Update the Purchase Requisition entry status to 'Ordered' once the vendor notification is sent.

11. Warehouse Receiving Task

Create a task for the Warehouse Team to verify the physical shipment against the digital Purchase Order upon arrival.

12. Verify Shipment Contents

Retrieve the original Purchase Order data to compare against the incoming delivery note.

13. Update Stock Levels

Increment the quantity in the Inventory Data Model by the amount received in the shipment.

14. Create Receiving Report

Create a new entry in the Logistics Logs Data Model documenting the successful delivery.

15. Monthly Procurement Summary

Generate a report aggregating all completed procurement tasks and total spend for the month.

16. Alert Logistics Manager

Send an SMS to the Logistics Manager if a shipment is flagged as 'Damaged' or 'Incomplete' during receiving.

End

End of the Workflow/Process.