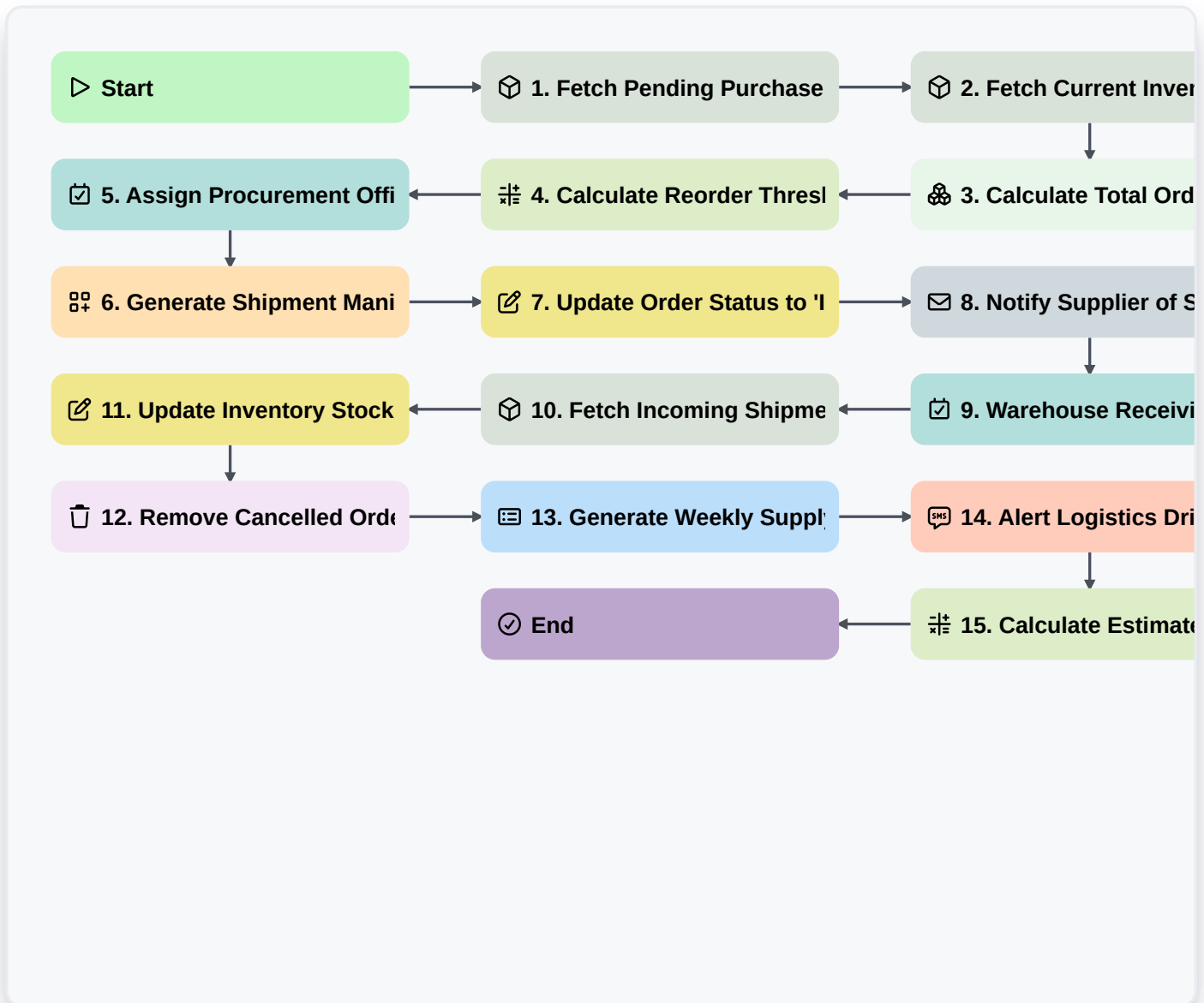


Supply Chain Visibility Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Pending Purchase Orders

Retrieve all entries from the Purchase Order data model where status is 'Open'.

📦 2. Fetch Current Inventory Levels

Retrieve all entries from the Inventory data model to check stock availability.

🧮 3. Calculate Total Order Value

Sum the 'Total Cost' property of all retrieved Purchase Order entries.

📊 4. Calculate Reorder Threshold Alert

Calculate if $(\text{Current Stock} - \text{Safety Stock})$ is less than the Reorder Point.

📅 5. Assign Procurement Officer

Create a task for the Procurement Manager to review low-stock alerts.

📄 6. Generate Shipment Manifest

Create a new entry in the Shipment model based on approved orders.



7. Update Order Status to 'In Transit'

Update the status field of the specific Purchase Order entry to 'In Transit'.

8. Notify Supplier of Shipment

Send an email to the vendor's contact email with the shipment details and ETA.

9. Warehouse Receiving Task

Create a task for the Warehouse Team to perform physical inspection upon arrival.

10. Fetch Incoming Shipments

Retrieve all entries from the Shipment model scheduled for the current date.

11. Update Inventory Stock Levels

Increment the 'Quantity on Hand' in the Inventory data model after goods are received.

12. Remove Cancelled Orders

Delete entries from the Order Logs model that have been marked as 'Cancelled'.

13. Generate Weekly Supply Chain Health Report

Create a summary report aggregating lead times, stockouts, and order accuracy.

14. Alert Logistics Driver

Send an SMS to the driver with the pickup location and reference number.

15. Calculate Estimated Arrival Delay

Calculate the difference between 'Planned Delivery Date' and 'Actual Delivery Date'.

End

End of the Workflow/Process.