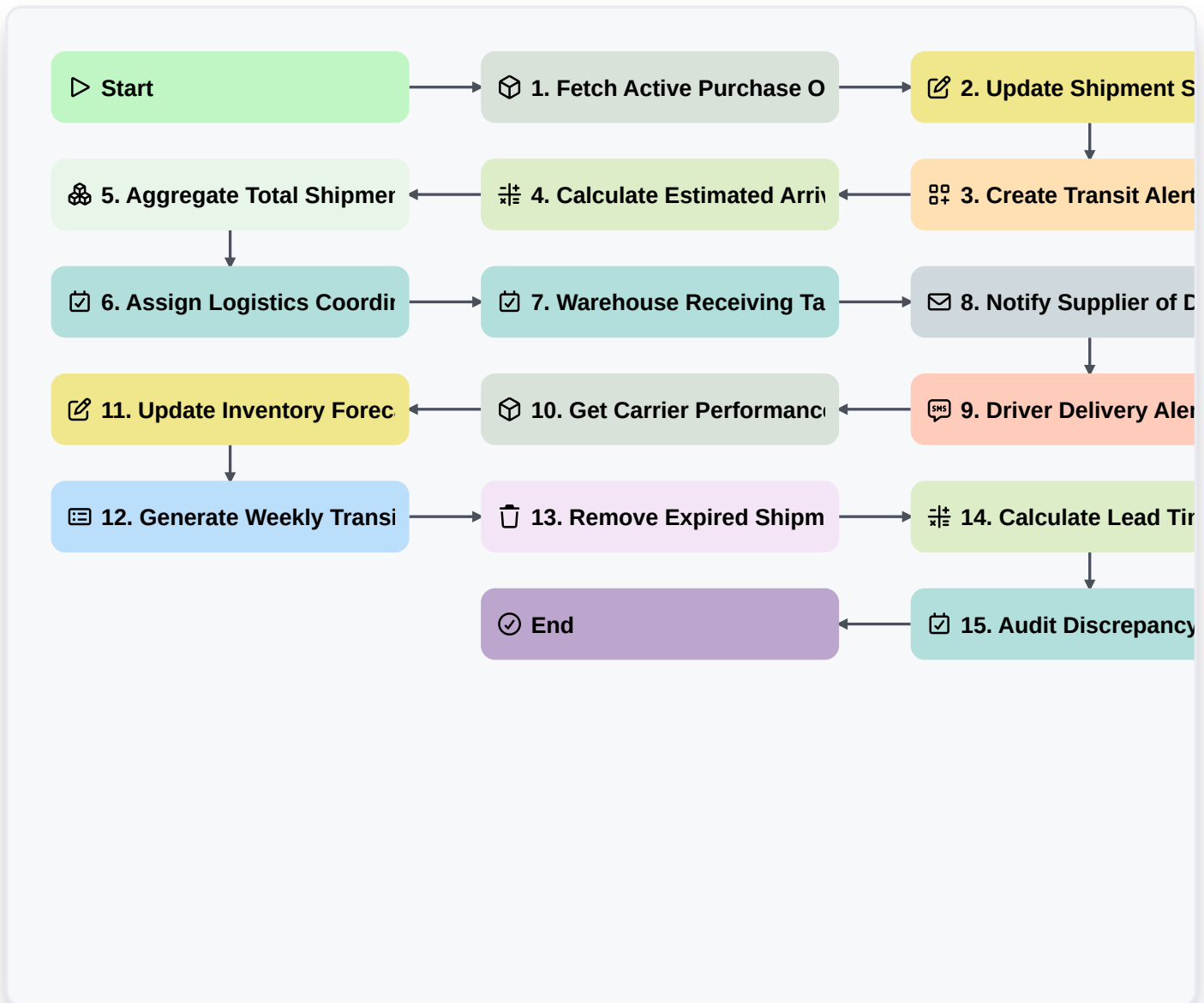


Supply Chain Visibility And Tracking Process



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Active Purchase Orders

Retrieve all open Purchase Orders from the Purchase Order data model to begin the tracking cycle.

✍️ 2. Update Shipment Status

Update the 'Current Status' field in the Shipment entry to 'In Transit' once tracking info is received.

📧 3. Create Transit Alert

Create a new entry in the 'Incident Log' data model if a delay is detected during tracking.

📊 4. Calculate Estimated Arrival (ETA) Variance

Calculate the difference between the Original Promised Date and the Current Estimated Arrival Date.

🔗 5. Aggregate Total Shipment Value

Sum the total monetary value of all shipments currently in the 'At Sea' or 'In Transit' status.

📅 6. Assign Logistics Coordinator

Create a task for the Logistics Manager to review and verify the updated shipment documents.



7. Warehouse Receiving Task

Create a task for the Warehouse Team to prepare for incoming goods based on the updated ETA.

8. Notify Supplier of Delay

Send an automated email to the Vendor contact if the calculated ETA variance exceeds the allowed threshold.

9. Driver Delivery Alert

Send an SMS to the logistics driver when the shipment is within 50km of the destination warehouse.

10. Get Carrier Performance Data

Fetch historical delivery performance metrics for the specific carrier assigned to the shipment.

11. Update Inventory Forecast

Update the 'Expected Stock' field in the Inventory data model based on the confirmed arrival date.

12. Generate Weekly Transit Report

Create a summary report showing all shipments, their current locations, and any active delays for stakeholders.

13. Remove Expired Shipments

Delete or archive shipment entries from the 'Active Tracking' view once they have been marked as 'Delivered' for more than 30 days.

14. Calculate Lead Time Risk Score

Execute a formula combining weather data, port congestion levels, and carrier reliability to produce a risk score.

15. Audit Discrepancy Task

Create a task for the Quality Control team if the 'Received Quantity' does not match the 'Ordered Quantity'.

End

End of the Workflow/Process.