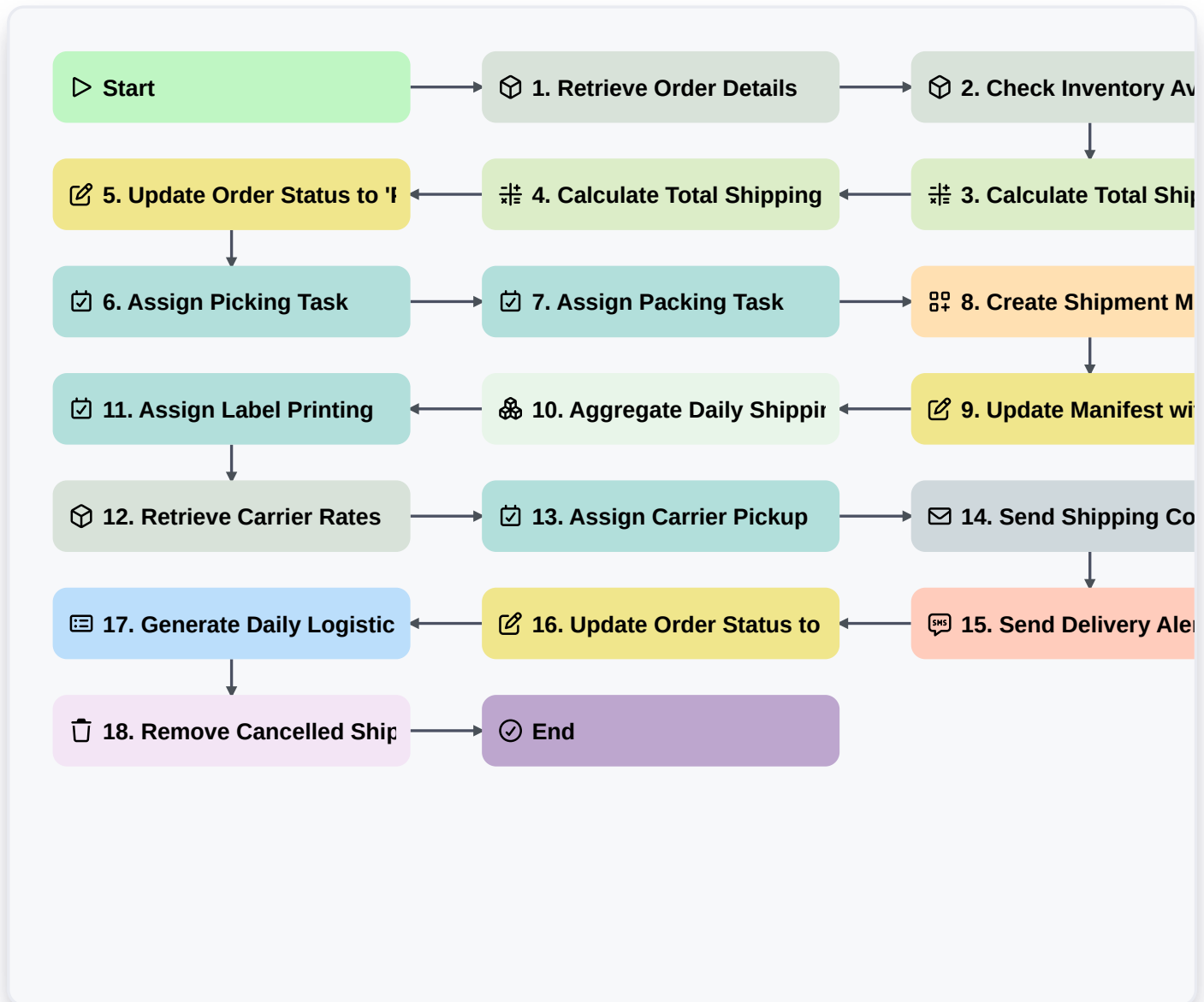


Outbound Logistics Management Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Retrieve Order Details

Fetch order information, destination address, and items from the Orders Data Model.

📦 2. Check Inventory Availability

Verify if the required items are available in the Warehouse Data Model.

⚖️ 3. Calculate Total Shipment Weight

Sum the weights of all individual items included in the shipment.

⚖️ 4. Calculate Total Shipping Cost

Calculate cost based on weight, distance, and shipping method selected.

✍️ 5. Update Order Status to 'Packing'

Change the status of the specific Order entry to 'In Preparation'.

📋 6. Assign Picking Task

Create a task for the Warehouse Operator to pick items from the shelves.



7. Assign Packing Task

Create a task for the Packing Team to box the items and add protective materials.

8. Create Shipment Manifest

Generate a new entry in the Shipment Manifest Data Model containing all shipment details.

9. Update Manifest with Tracking Number

Add the carrier-provided tracking number to the Shipment Manifest entry.

10. Aggregate Daily Shipping Volume

Sum the total number of completed shipments for the current day for reporting.

11. Assign Label Printing

Create a task to print shipping labels and customs documentation.

12. Retrieve Carrier Rates

Fetch current shipping rates from the Carrier API/Data Model.

13. Assign Carrier Pickup

Create a task to notify the logistics provider and schedule a pickup time.

14. Send Shipping Confirmation to Customer

Send an automated email to the customer with order details and tracking information.

15. Send Delivery Alert via SMS

Send a text message to the recipient when the package is out for delivery.

16. Update Order Status to 'Shipped'

Mark the original Order entry as 'Dispatched/Shipped'.

17. Generate Daily Logistics Performance Report

Create a report summarizing shipping times, costs, and errors for the day.

18. Remove Cancelled Shipment Drafts

Delete temporary shipment entries that were created but never completed.

End

End of the Workflow/Process.