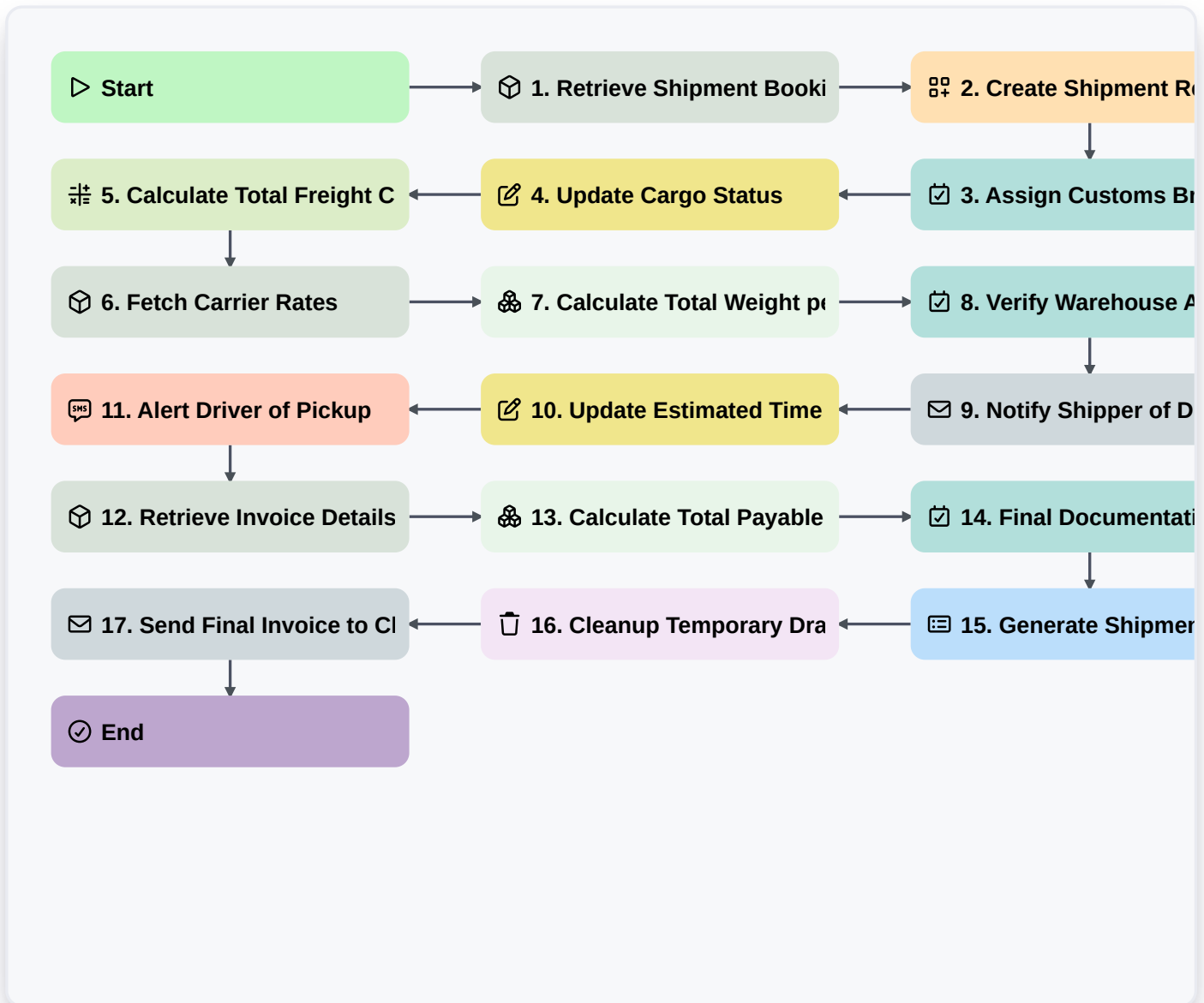


Automated Freight Forwarding Workflow



Start

Start of the Workflow/Process.

1. Retrieve Shipment Booking

Fetch the initial shipment request details from the Shipment Data Model.

2. Create Shipment Record

Generate a new entry in the Master Shipment Log based on the booking request.

3. Assign Customs Broker

Create a task for the Compliance Team to review documentation for customs clearance.

4. Update Cargo Status

Update the shipment entry status to 'In Transit' once the carrier confirms pickup.

5. Calculate Total Freight Cost

Execute a formula summing the ocean freight, fuel surcharge, and documentation fees.

6. Fetch Carrier Rates

Retrieve current agreed-upon rates from the Carrier Rate Card data model.



7. Calculate Total Weight per Shipment

Sum the weight properties of all individual line items/packages within the shipment entry.

8. Verify Warehouse Arrival

Create a task for the Warehouse Manager to confirm receipt of goods.

9. Notify Shipper of Departure

Send an automated email to the client containing the Vessel Name and ETA.

10. Update Estimated Time of Arrival (ETA)

Update the shipment entry with the new arrival date provided by the carrier.

11. Alert Driver of Pickup

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

12. Retrieve Invoice Details

Get all billing-related entries associated with the specific Shipment ID.

13. Calculate Total Payable Amount

Aggregate all pending charges and taxes to determine the final invoice total.

14. Final Documentation Audit

Create a task for the Operations Lead to ensure all Bill of Lading and Commercial Invoices are attached.

15. Generate Shipment Summary Report

Create a PDF report summarizing the completed shipment lifecycle for the client.

16. Cleanup Temporary Drafts

Delete temporary shipment draft entries that were not converted to active shipments.

17. Send Final Invoice to Client

Send the final aggregated billing email to the customer's billing contact.

End

End of the Workflow/Process.