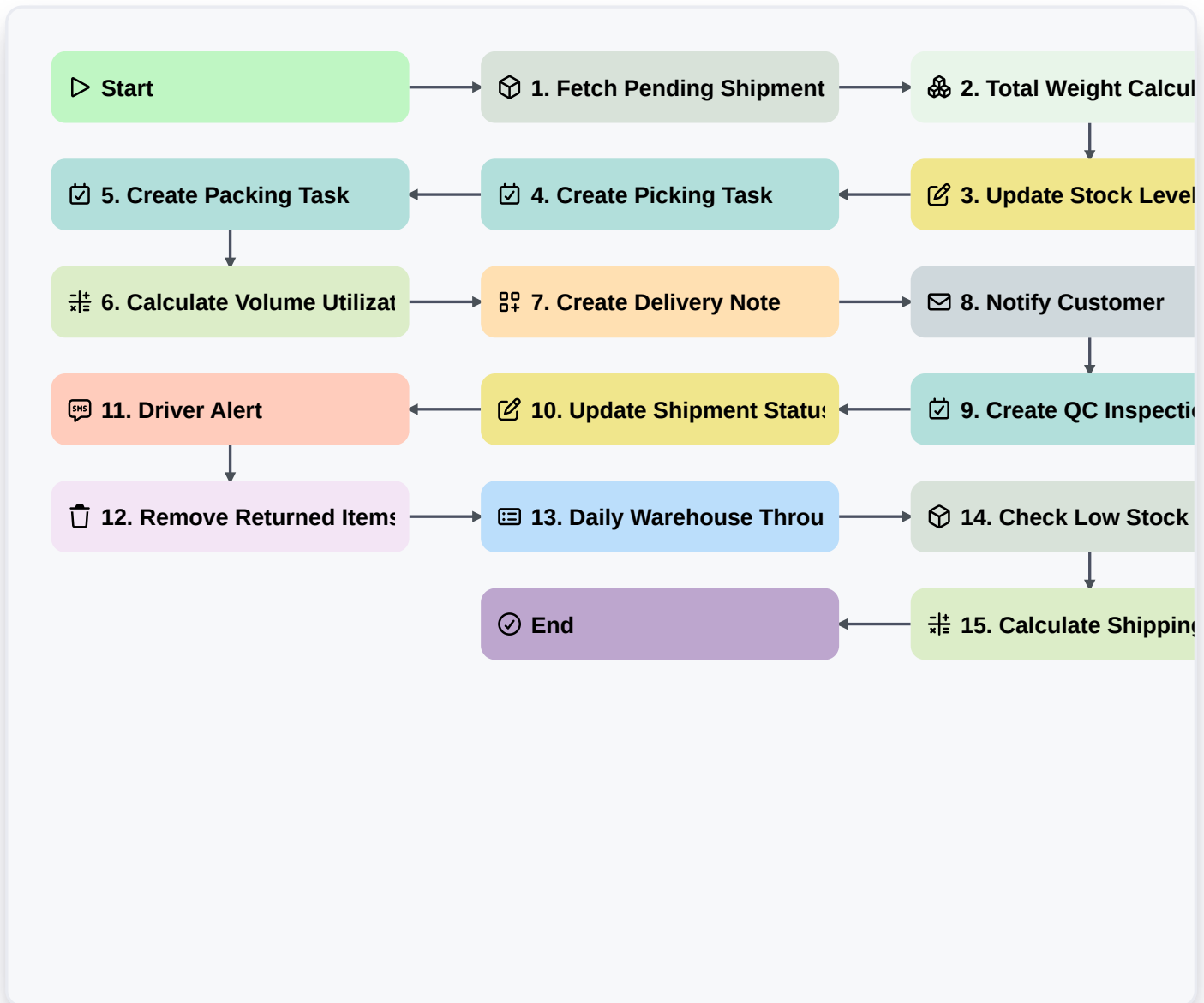


Warehouse Task Management Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Pending Shipments

Retrieve all shipment entries from the Shipment Data Model with status 'Pending'.

⚖️ 2. Total Weight Calculation

Sum the total weight property of all items within the selected shipment entry.

✍️ 3. Update Stock Levels

Decrement the quantity available in the Inventory Data Model after a picking task is completed.

📋 4. Create Picking Task

Generate a new task assigned to a Warehouse Picker containing the list of items to be retrieved.

📋 5. Create Packing Task

Generate a task for the Packing Station once the Picking Task is marked as complete.

📊 6. Calculate Volume Utilization

Execute a formula to calculate if the total volume of items exceeds the capacity of the assigned shipping container



7. Create Delivery Note

Create a new entry in the Delivery Notes Data Model once packing is finalized.

8. Notify Customer

Send an automated email to the customer's email address containing the shipment tracking information.

9. Create QC Inspection Task

Trigger a Quality Control task if the items being shipped are flagged as 'Fragile' in the data model.

10. Update Shipment Status

Change the status of the Shipment entry from 'In Progress' to 'Dispatched'.

11. Driver Alert

Send an SMS to the delivery driver with the pickup location and time.

12. Remove Returned Items

Delete the temporary 'Return Log' entry once the physical inspection is completed and stock is updated.

13. Daily Warehouse Throughput Report

Generate a report summarizing all completed tasks, total weight processed, and total shipments dispatched for the day.

14. Check Low Stock Alerts

Query the Inventory Data Model for any items where quantity is below the minimum threshold.

15. Calculate Shipping Cost

Execute a formula based on weight, distance, and shipment priority to determine the final shipping fee.

End

End of the Workflow/Process.