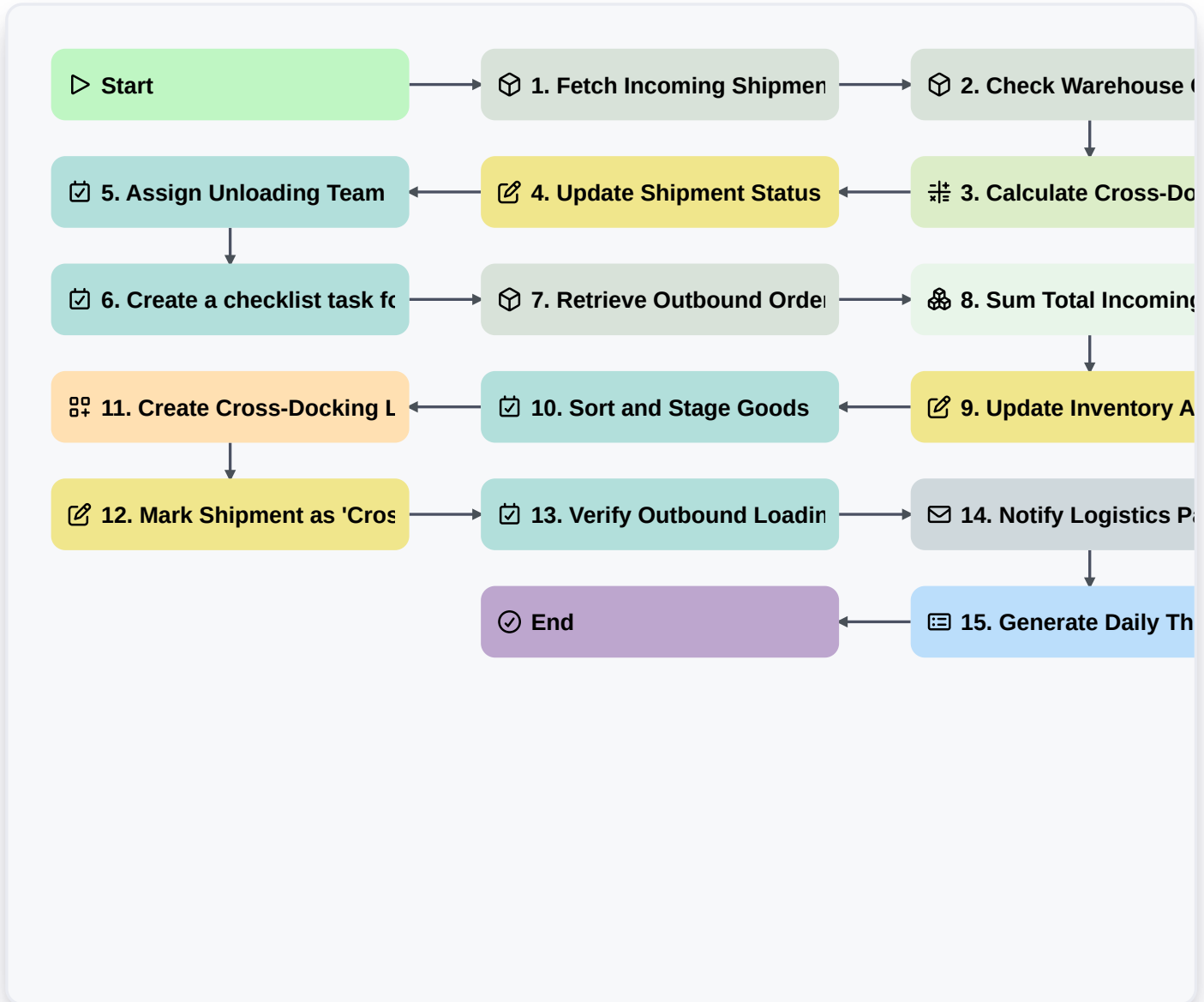


Cross-Docking Operational Management Process



Start

Start of the Workflow/Process.

1. Fetch Incoming Shipment Manifest

Retrieve all pending inbound shipment records from the Shipment Data Model.

2. Check Warehouse Capacity

Retrieve available dock door and floor space availability from the Resource Data Model.

3. Calculate Cross-Docking Urgency

Calculate priority score based on Arrival Time, Shipment Volume, and Transit Deadline.

4. Update Shipment Status to 'Arriving'

Update the status of the selected shipment entries to 'Arriving' in the Shipment Data Model.

5. Assign Unloading Team

Create a task for the Warehouse Supervisor to assign personnel to the incoming dock.



📋 **6. Create a checklist task for dock workers to verify cargo integrity upon arrival.**

Create a task for dock workers to perform a physical inspection against the manifest.

📦 **7. Retrieve Outbound Orders**

Fetch all outbound orders that match the contents of the arriving inbound shipment.

🔗 **8. Sum Total Incoming Volume**

Aggregate the total weight/volume of all items in the incoming shipment to ensure dock capacity.

✍️ **9. Update Inventory Allocation**

Update the 'Allocated' field in the Order Data Model to link inbound items to outbound orders.

📋 **10. Sort and Stage Goods**

Create a task for the sorting team to move items from the inbound dock to the outbound staging area.

📄 **11. Create Cross-Docking Log**

Create a new entry in the Operational Log Data Model to record the execution of this specific cross-docking event.

✍️ **12. Mark Shipment as 'Cross-Docked'**

Update the shipment status to 'Completed' in the Shipment Data Model.

📋 **13. Verify Outbound Loading**

Create a task for the outbound loader to verify that all items match the outbound manifest.

✉️ **14. Notify Logistics Partner**

Send an email to the carrier/logistics partner notifying them that the outbound shipment is ready for pickup.

📄 **15. Generate Daily Throughput Report**

Generate a report summarizing the volume, time taken, and discrepancies found during this cross-docking cycle.

🏁 **End**

End of the Workflow/Process.