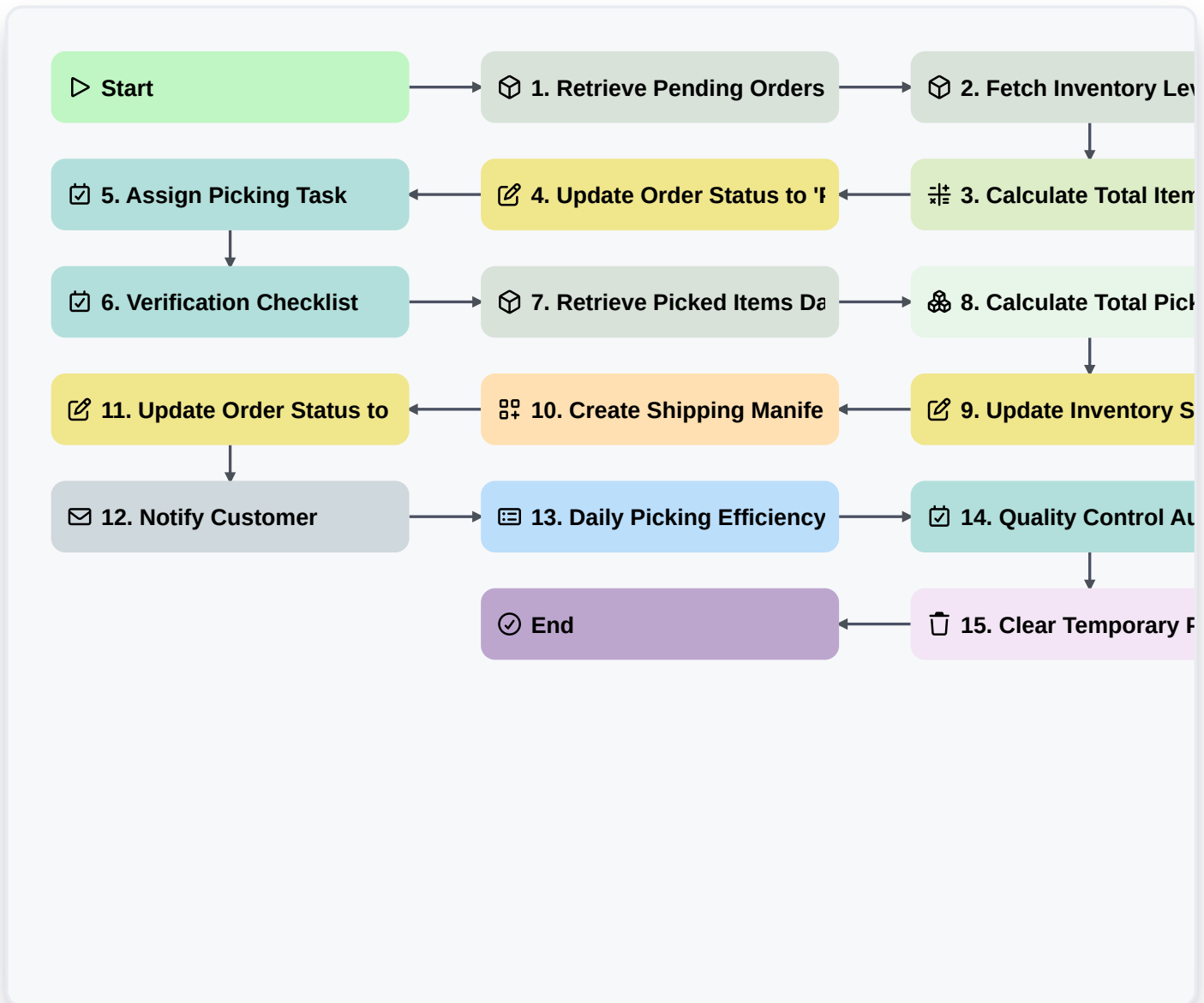


Order Picking Strategies And Workflows



▷ Start

Start of the Workflow/Process.

📦 1. Retrieve Pending Orders

Fetch all entries from the 'Orders' data model where status is 'Unfulfilled'.

📦 2. Fetch Inventory Levels

Retrieve current stock levels from the 'Inventory' data model for items listed in the retrieved orders.

🔢 3. Calculate Total Item Count

Sum the quantity of all individual line items across the selected orders to determine total picking volume.

✍️ 4. Update Order Status to 'Picking'

Change the status of the selected order entries to 'In Progress' to prevent duplicate picking.

📋 5. Assign Picking Task

Create a new task assigned to a Warehouse Operator containing the list of items and bin locations.

📋 6. Verification Checklist

A sub-step within the picking task: 1. Verify SKU, 2. Check Expiry Date, 3. Inspect Packaging Integrity.



7. Retrieve Picked Items Data

Fetch the completed quantities and scanned timestamps from the 'Picking Log' entries.

8. Calculate Total Picked Weight

Aggregate the weight property of all items processed in the current picking wave.

9. Update Inventory Stock

Decrement the 'Available Quantity' in the Inventory data model by the amount picked.

10. Create Shipping Manifest

Generate a new entry in the 'Shipping Manifest' data model linked to the fulfilled orders.

11. Update Order Status to 'Packed'

Change the status of the orders in the 'Orders' data model to 'Ready for Shipment'.

12. Notify Customer

Send an automated email to the customer's email address from the Order entry notifying them that their order is being packed.

13. Daily Picking Efficiency Report

Generate a report summarizing total items picked, time taken per order, and error rates for the shift.

14. Quality Control Audit

Create a task for the QC Supervisor to inspect a random sample of the packed orders.

15. Clear Temporary Pick Lists

Delete the temporary 'Pick Wave' entries once the orders have been successfully moved to the packing stage.

End

End of the Workflow/Process.