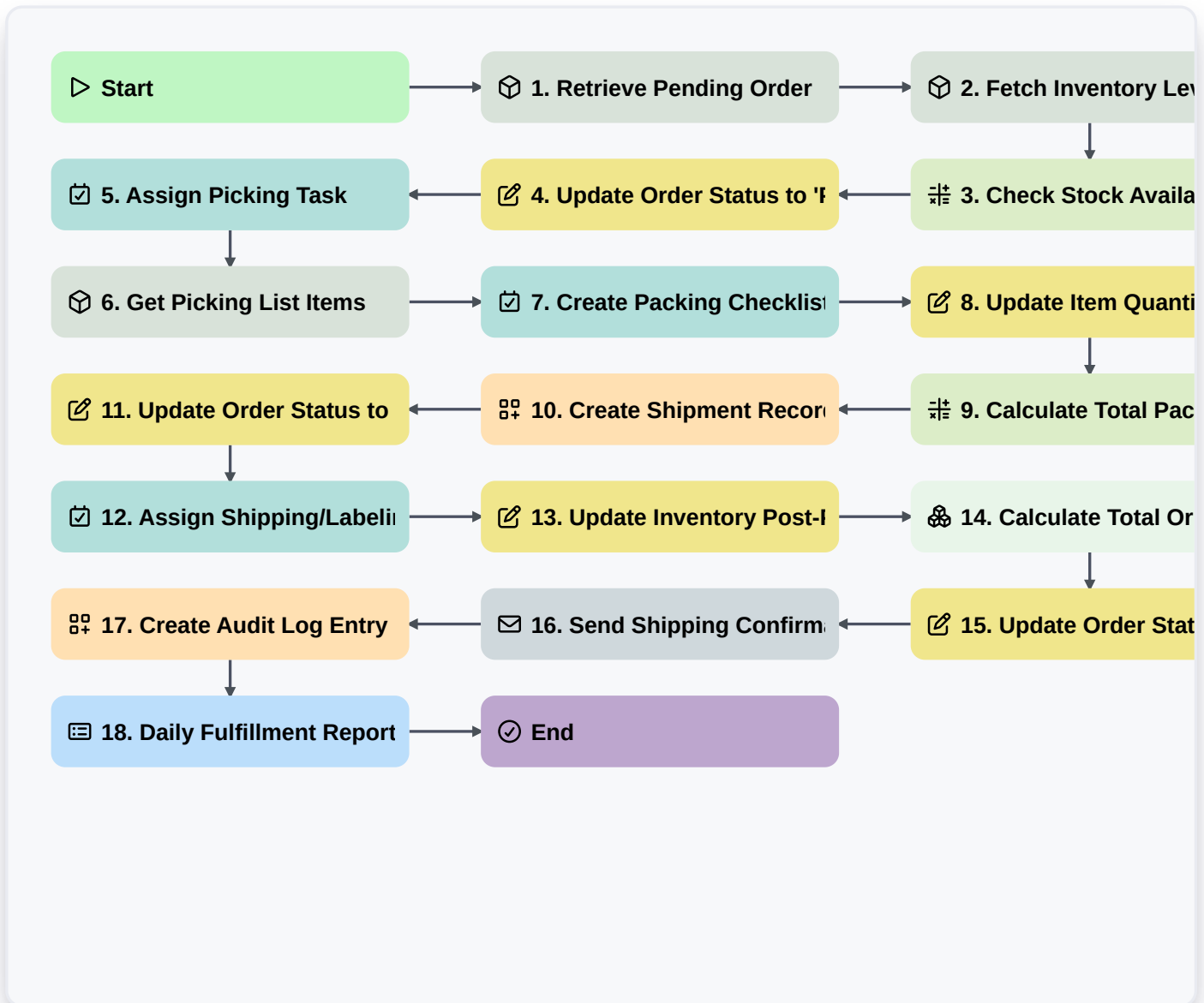


Order Picking And Packing Workflow



Start

Start of the Workflow/Process.

1. Retrieve Pending Order

Fetch the specific order details from the Orders Data Model to initiate the picking process.

2. Fetch Inventory Levels

Retrieve current stock levels from the Inventory Data Model to verify availability.

3. Check Stock Availability

Compare the quantity ordered against the quantity available in inventory.

4. Update Order Status to 'Picking'

Change the status of the Order entry to 'Picking' to notify the warehouse team.

5. Assign Picking Task

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

6. Get Picking List Items

Retrieve all line items (SKUs and quantities) associated with the Order entry.



7. Create Packing Checklist

Generate a checklist within the task for the packer to verify item accuracy, bubble wrap usage, and box size.

8. Update Item Quantities

Update the quantity of items in the Order entry if any discrepancies are found during picking.

9. Calculate Total Package Weight

Sum the weights of all individual items in the order to determine the required shipping box.

10. Create Shipment Record

Generate a new entry in the Shipments Data Model linked to the Order.

11. Update Order Status to 'Packed'

Mark the Order entry as 'Packed' once the packing checklist is completed.

12. Assign Shipping/Labeling Task

Create a task for the Shipping Clerk to print labels and prepare the package for carrier pickup.

13. Update Inventory Post-Packing

Decrement the stock levels in the Inventory Data Model based on the items removed from shelves.

14. Calculate Total Order Value

Sum the prices of all items in the order to ensure the total matches the invoice.

15. Update Order Status to 'Shipped'

Change the Order status to 'Shipped' once the tracking number is assigned.

16. Send Shipping Confirmation

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

17. Create Audit Log Entry

Create an entry in the Workflow Logs Data Model to record the completion of the order fulfillment.

18. Daily Fulfillment Report

Generate a summary report of all orders processed, packed, and shipped during the shift.

End

End of the Workflow/Process.