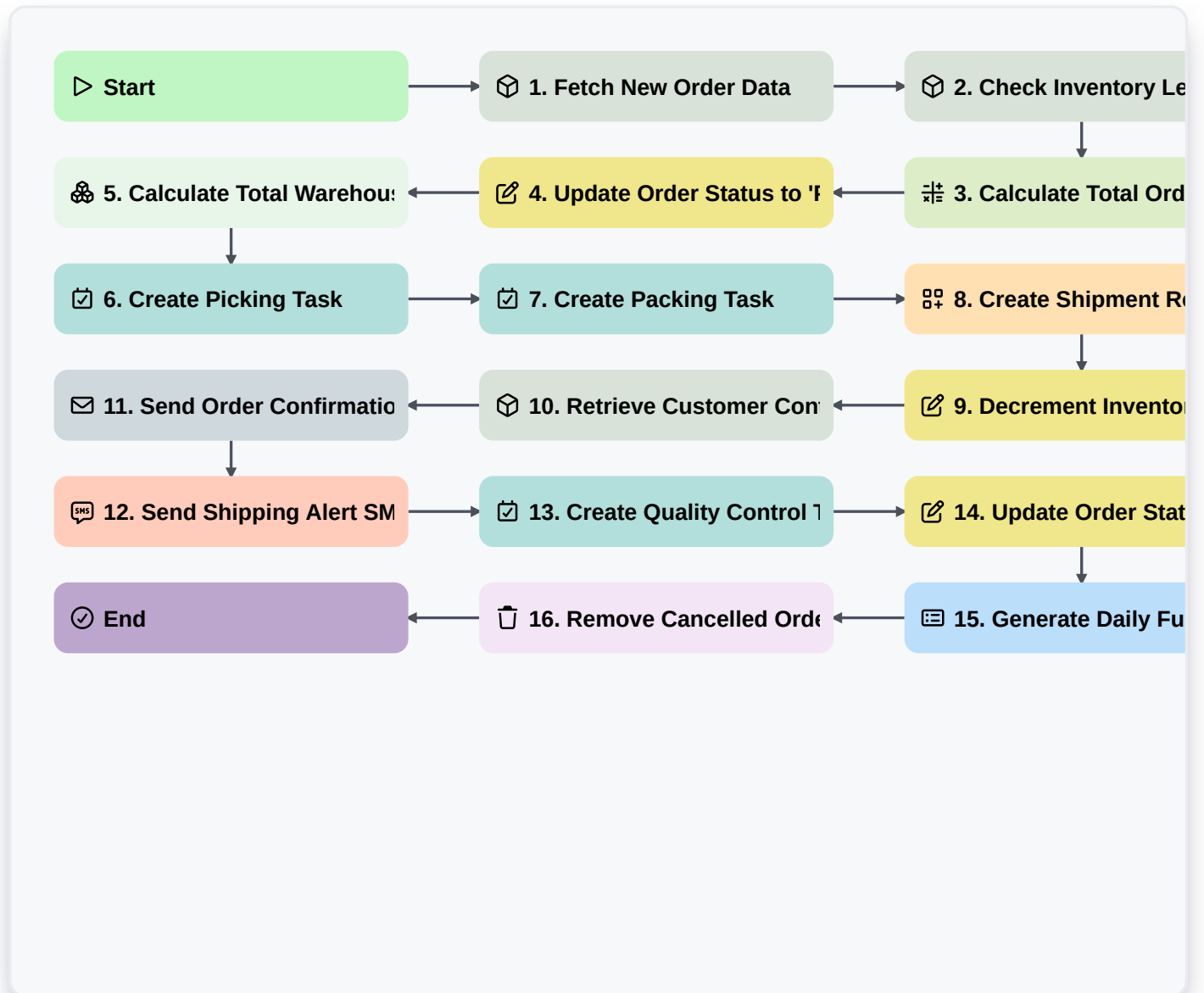


Omnichannel Order Fulfillment Workflow



Start

Start of the Workflow/Process.

1. Fetch New Order Data

Retrieve new order entries from the 'Orders' data model to initiate the fulfillment process.

2. Check Inventory Levels

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

3. Calculate Total Order Value

Calculate the sum of item prices plus taxes and shipping fees for the order entry.

4. Update Order Status to 'Processing'

Update the status field in the 'Orders' data model to reflect that fulfillment has begun.

5. Calculate Total Warehouse Load

Aggregate the total weight or volume of all items in the current order to determine shipping requirements.

6. Create Picking Task

Generate a task for the Warehouse Staff to pick items from the shelves.

7. Create Packing Task

Generate a task for the Packing Station to secure items in appropriate packaging.

8. Create Shipment Record

Create a new entry in the 'Shipments' data model once packing is complete.

9. Decrement Inventory Stock

Update the 'Inventory' data model to reduce the quantity of the items being shipped.

10. Retrieve Customer Contact Info

Get customer email and phone number from the 'Customers' data model linked to the order.

11. Send Order Confirmation Email

Send an automated email to the customer notifying them that their order is being processed.

12. Send Shipping Alert SMS

Send a text message to the customer when the tracking number is generated.

13. Create Quality Control Task

Create a task for a supervisor to inspect high-value orders for accuracy.

14. Update Order Status to 'Shipped'

Update the 'Orders' data model status to 'Shipped' once the carrier picks up the package.

15. Generate Daily Fulfillment Report

Create a summary report of all orders completed within the last 24 hours.

16. Remove Cancelled Order Drafts

Delete temporary/draft order entries that were cancelled before processing began.

End

End of the Workflow/Process.