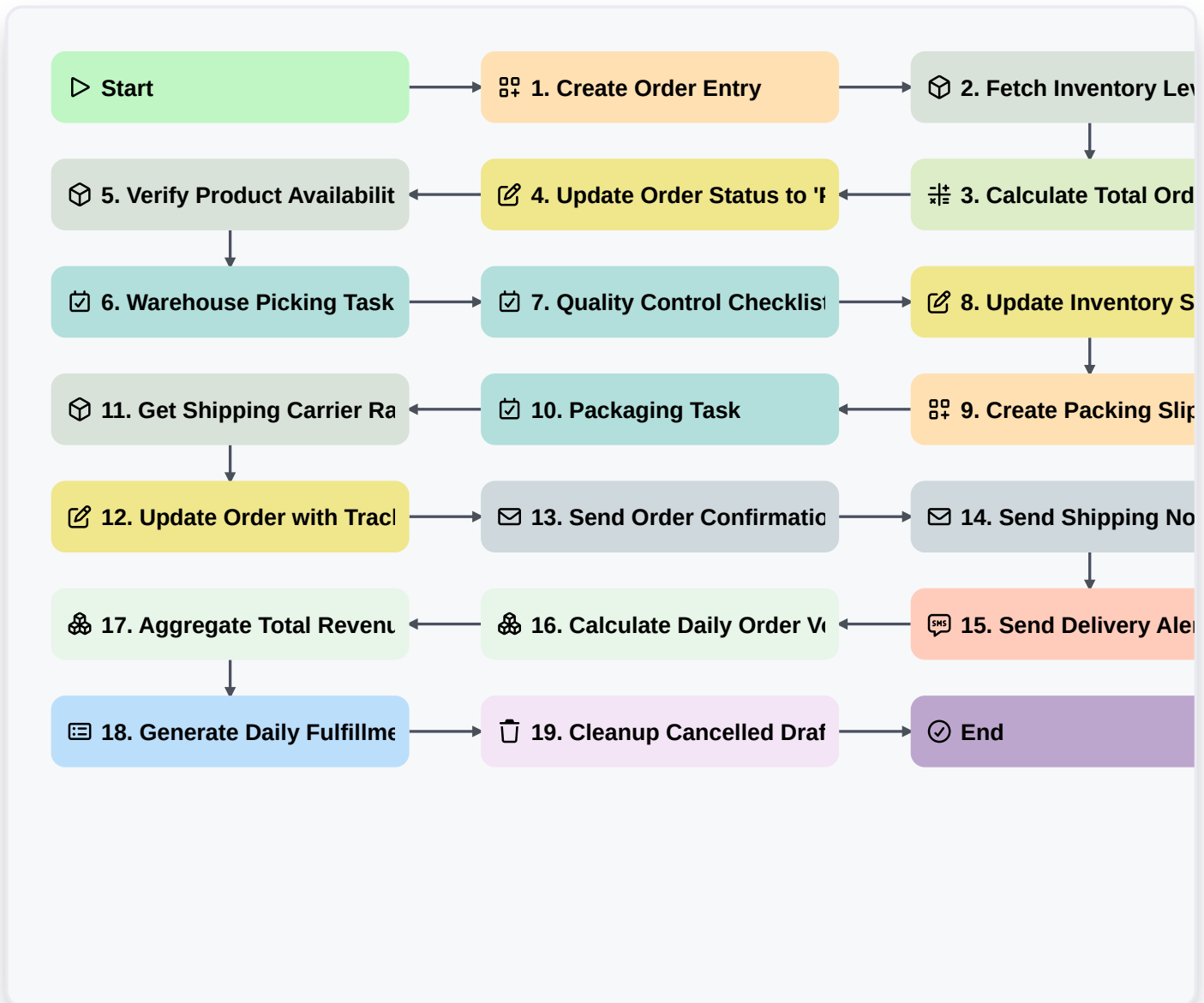


Automated Order Fulfillment Workflow



Start

Start of the Workflow/Process.

1. Create Order Entry

Initialize a new order record in the Orders data model when a customer places an order.

2. Fetch Inventory Levels

Retrieve current stock levels for the items specified in the new order.

3. Calculate Total Order Value

Multiply unit prices by quantities and add applicable taxes and shipping fees.

4. Update Order Status to 'Processing'

Update the status field of the specific order entry to indicate it has entered the fulfillment pipeline.

5. Verify Product Availability

Check if the requested quantity is available in the Inventory data model.

6. Warehouse Picking Task

Create a task for the Warehouse Team to physically pick items from the shelves.



7. Quality Control Checklist

Create a task for the QC Specialist to verify item condition and order accuracy.

8. Update Inventory Stock

Deduct the ordered quantity from the Inventory data model entries.

9. Create Packing Slip

Generate a new entry in the Shipping Documents data model containing order details.

10. Packaging Task

Assign a task to the Packing Department to box the items and include the packing slip.

11. Get Shipping Carrier Rates

Retrieve available shipping methods and costs from the Logistics data model.

12. Update Order with Tracking Number

Update the Order entry with the tracking ID once the shipping label is generated.

13. Send Order Confirmation Email

Send an automated email to the customer's email address notifying them their order is confirmed.

14. Send Shipping Notification

Send an email to the customer once the order status changes to 'Shipped' with tracking info.

15. Send Delivery Alert SMS

Send a text message to the customer's phone number when the order is out for delivery.

16. Calculate Daily Order Volume

Sum the total number of orders processed today to monitor warehouse load.

17. Aggregate Total Revenue

Sum the total value of all orders marked as 'Completed' in the current period.

18. Generate Daily Fulfillment Report

Create a summary report of all completed, pending, and failed orders for management review.

19. Cleanup Cancelled Drafts

Delete temporary order entries that were abandoned during the checkout process.

End

End of the Workflow/Process.