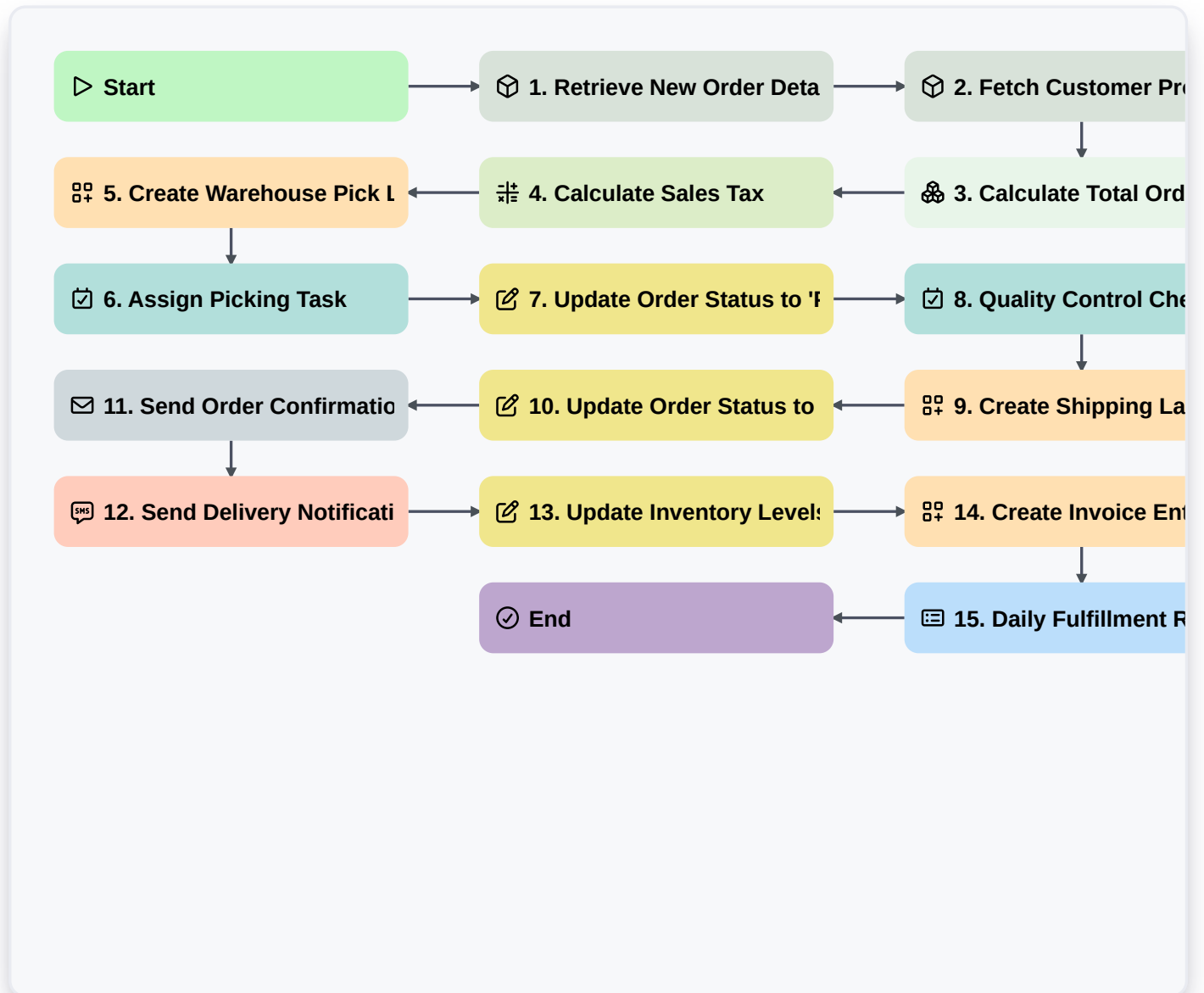


E-Commerce Order Processing Workflow



Start

Start of the Workflow/Process.

1. Retrieve New Order Details

Fetch the latest order entry from the Orders Data Model to initiate the workflow.

2. Fetch Customer Profile

Retrieve customer contact and shipping information linked to the Order ID.

3. Calculate Total Order Value

Sum the price of all individual Line Items associated with the current Order.

4. Calculate Sales Tax

Apply tax percentage to the subtotal of the order.

5. Create Warehouse Pick List

Create a new entry in the Warehouse Logistics model to notify the fulfillment team.

6. Assign Picking Task

Create a task for the Warehouse Manager to assign a staff member to the pick list.



7. Update Order Status to 'Processing'

Update the status field in the Order Data Model to reflect that fulfillment has started.

8. Quality Control Check

Create a task for the QC specialist to verify item integrity before packaging.

9. Create Shipping Label Record

Create a new entry in the Shipping Data Model containing tracking number and carrier info.

10. Update Order Status to 'Shipped'

Update the Order Data Model status once the shipping label is generated.

11. Send Order Confirmation Email

Send an automated email to the customer with order summary and estimated delivery date.

12. Send Delivery Notification SMS

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

13. Update Inventory Levels

Decrement the 'Stock Quantity' in the Product Data Model based on the items sold.

14. Create Invoice Entry

Generate a final invoice entry in the Finance Data Model for accounting records.

15. Daily Fulfillment Report

Generate a summary report of all orders processed and completed within the last 24 hours.

End

End of the Workflow/Process.