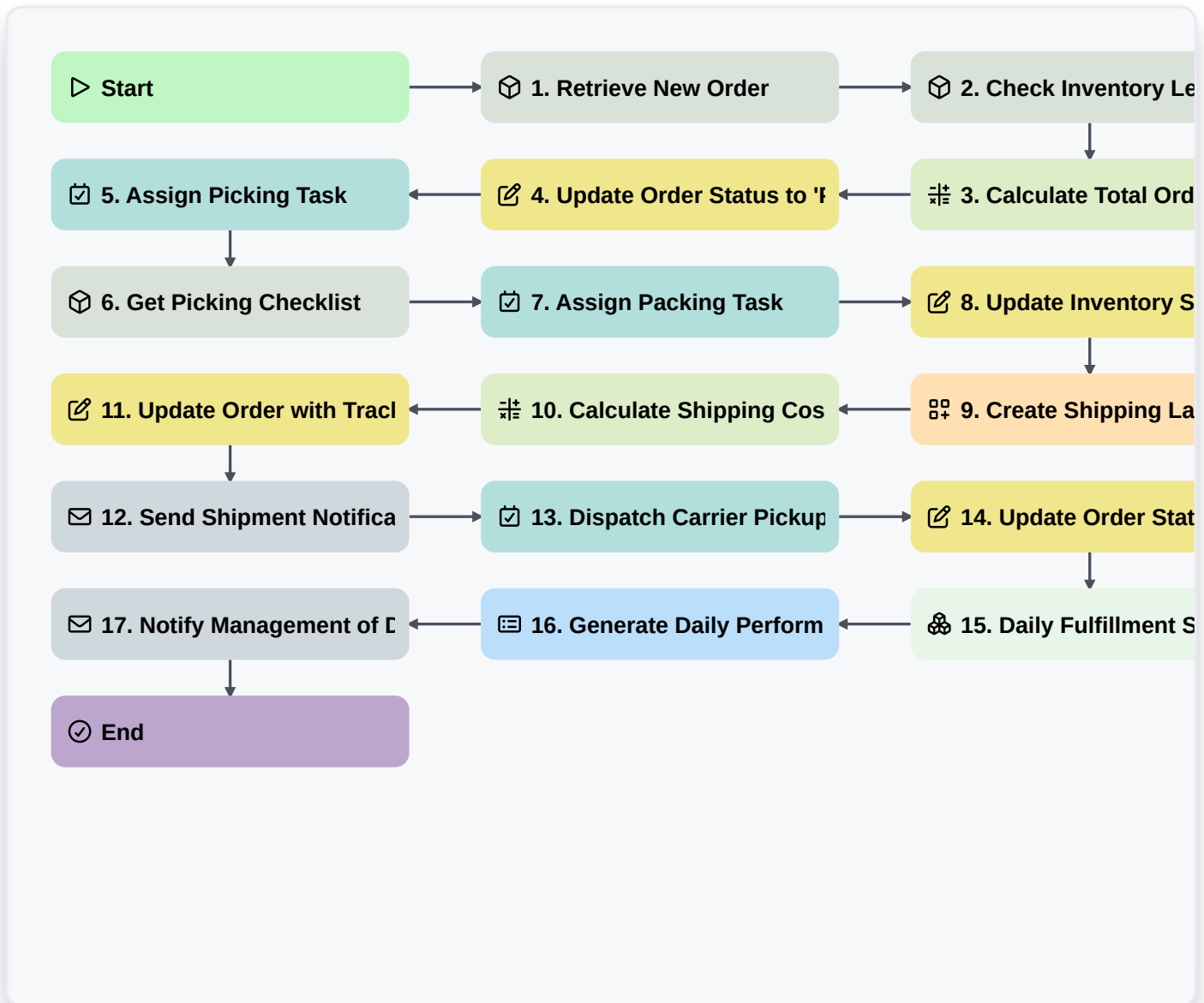


# E-Commerce Order Fulfillment Process



## Start

Start of the Workflow/Process.

## 1. Retrieve New Order

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

## 2. Check Inventory Levels

Retrieve product entries from the Inventory Data Model to verify stock availability for the ordered items.

## 3. Calculate Total Order Value

Sum the price of all items in the order plus shipping fees and applicable taxes.

## 4. Update Order Status to 'Processing'

Update the status field of the specific Order entry to 'Processing' to signal it is being handled.

## 5. Assign Picking Task

Create a task for the Warehouse Staff to locate and pick the items from the warehouse shelves.

## 6. Get Picking Checklist

Retrieve the specific items and quantities required for the warehouse staff to execute the pick.



### **7. Assign Packing Task**

Create a task for the Packaging Department once items have been picked.

### **8. Update Inventory Stock**

Decrement the quantity of the purchased items in the Inventory Data Model.

### **9. Create Shipping Label**

Create a new entry in the Shipping Label Data Model containing destination and weight details.

### **10. Calculate Shipping Cost**

Calculate the shipping fee based on the package weight and destination zone.

### **11. Update Order with Tracking Info**

Update the Order entry with the newly generated tracking number and carrier information.

### **12. Send Shipment Notification**

Send an automated email to the customer's email address containing the tracking number and order summary.

### **13. Dispatch Carrier Pickup**

Create a task for the Logistics Coordinator to schedule a pickup with the selected courier.

### **14. Update Order Status to 'Shipped'**

Update the Order entry status to 'Shipped' once the carrier has collected the package.

### **15. Daily Fulfillment Summary**

Aggregate all orders completed today to calculate the total daily revenue and order count.

### **16. Generate Daily Performance Report**

Create a report from the daily aggregated data to be sent to the Operations Manager.

### **17. Notify Management of Daily Stats**

Send an email to the management team with the daily fulfillment performance report.

### **End**

End of the Workflow/Process.