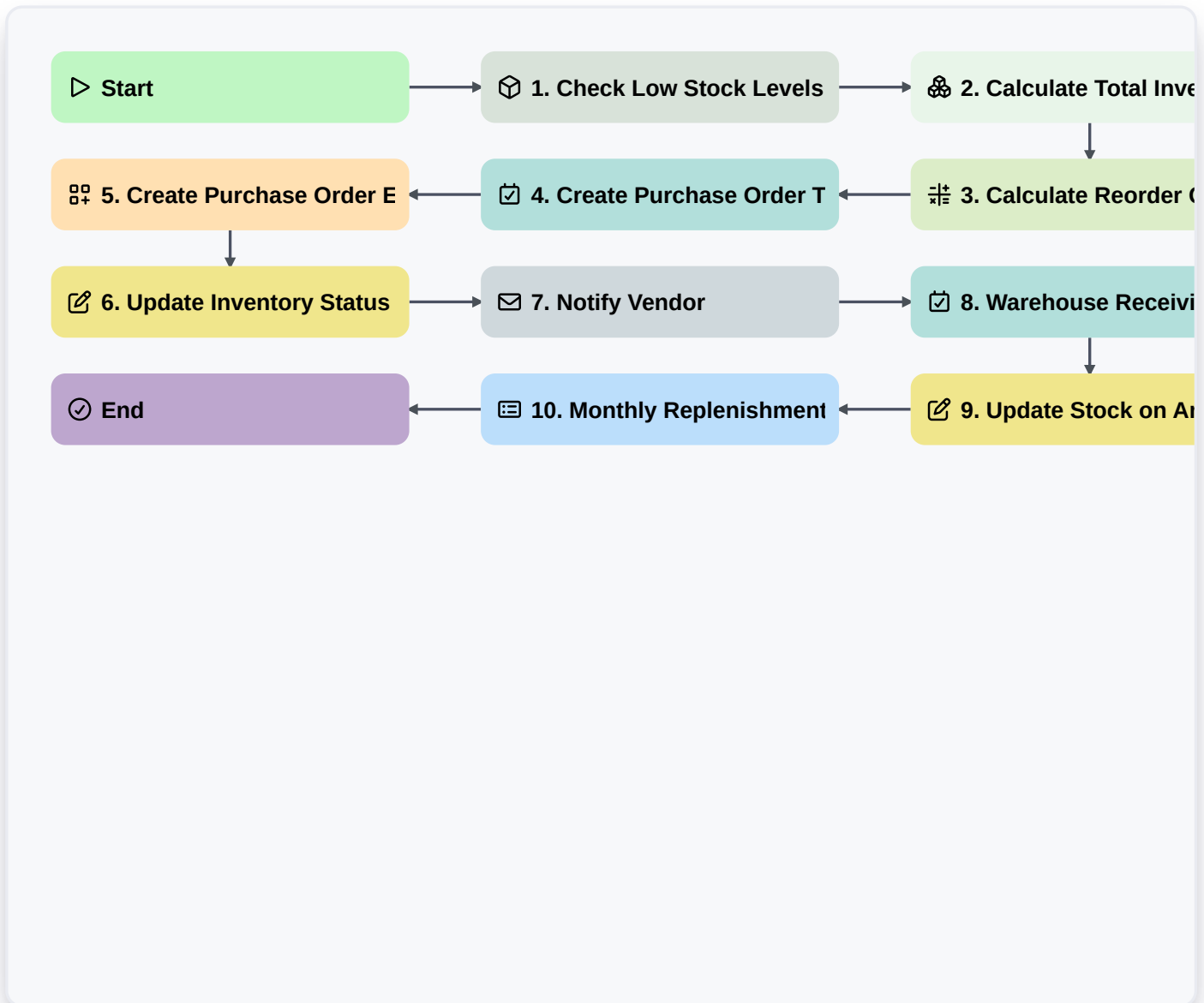


Inventory Replenishment Process



▷ Start

Start of the Workflow/Process.

📦 1. Check Low Stock Levels

Retrieve all inventory entries where current stock is below the predefined reorder point.

🧮 2. Calculate Total Inventory Value

Sum the total value (quantity * unit price) of all items identified as low stock.

🧮 3. Calculate Reorder Quantity

Calculate the required order amount by subtracting current stock from the maximum stock threshold.

📝 4. Create Purchase Order Task

Assign a task to the Procurement Manager to initiate the purchase of identified items.

🧮 5. Create Purchase Order Entry

Generate a new record in the Purchase Order data model with the calculated quantities and selected vendors.

📝 6. Update Inventory Status

Update the status of the identified inventory items to 'Pending Reorder' to prevent duplicate orders.



✉ **7. Notify Vendor**

Send an automated email to the supplier with the details of the new Purchase Order.

📅 **8. Warehouse Receiving Task**

Create a task for the Warehouse Clerk to inspect and check in the goods once they arrive.

✍ **9. Update Stock on Arrival**

Upon task completion, update the 'Current Quantity' in the Inventory data model with the newly received amount.

📄 **10. Monthly Replenishment Report**

Generate a summary report showing total spend and stock turnover for the period.

🏁 **End**

End of the Workflow/Process.