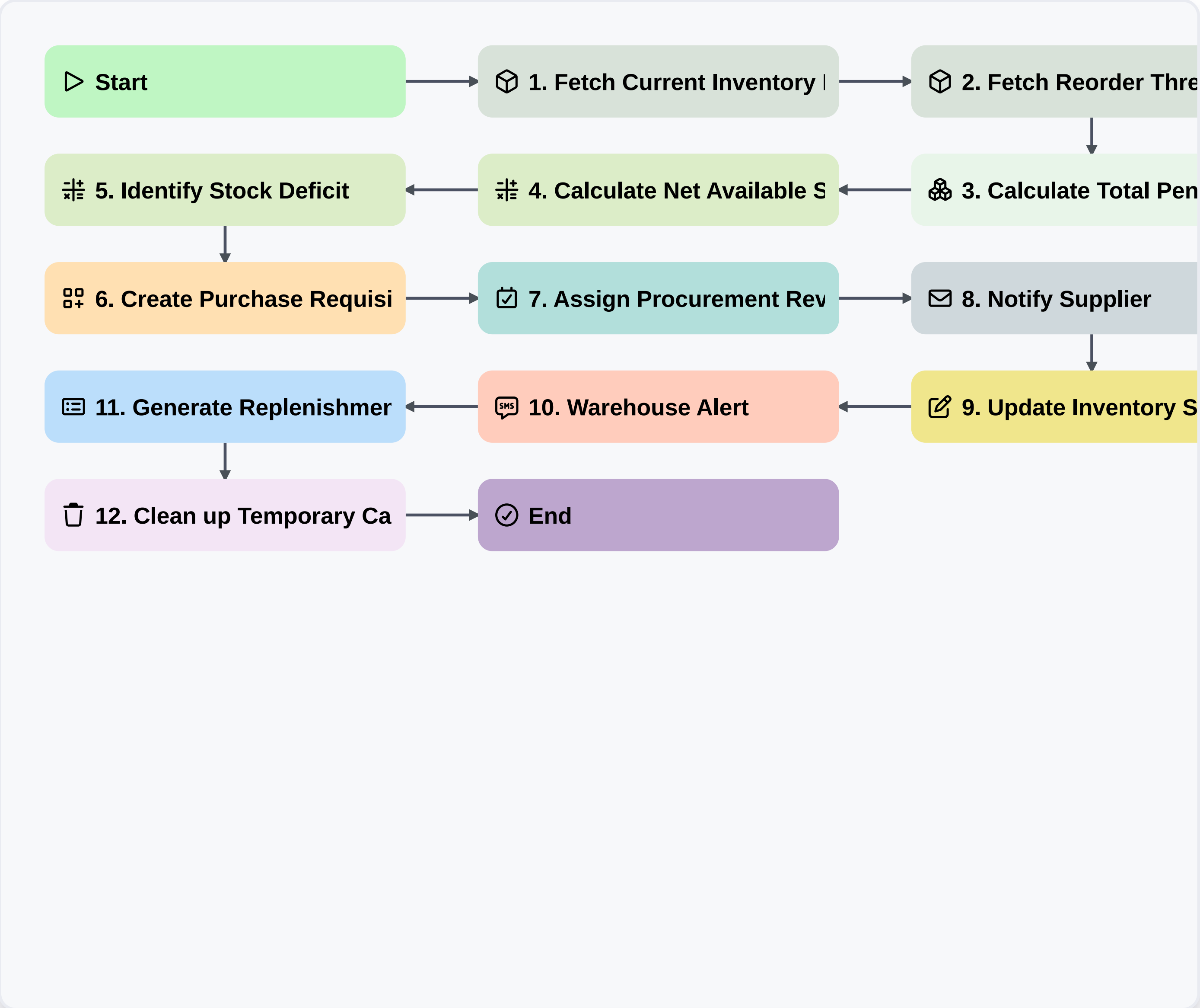
ChecklistGuro

Automated Stock Replenishment Process



Start
Start of the Workflow/Process.

1. Fetch Current Inventory Levels
Retrieve all active product entries from the Inventory Data Model to check current stock counts.

2. Fetch Reorder Thresholds
Retrieve the predefined minimum stock levels (safety stock) for each product from the Product Configuration Model.

3. Calculate Total Pending Orders
Sum the quantity of all 'Pending' entries in the Sales Orders Data Model to account for committed stock.

4. Calculate Net Available Stock
Subtract Total Pending Orders from the Current Inventory Levels to determine true availability.

5. Identify Stock Deficit
Compare Net Available Stock against Reorder Thresholds to identify products that have fallen below the limit.

6. Create Purchase Requisition
Generate a new entry in the Purchase Orders Data Model for the required quantity of items identified as undersupplied.

7. Assign Procurement Review
Create a task for the Procurement Manager to review and approve the newly created Purchase Requisition.

8. Notify Supplier
Send an automated email to the assigned Vendor's contact address with the details of the new Purchase Requisition.

9. Update Inventory Status
Update the status of the specific product entry to 'Reorder In Progress' to prevent duplicate replenishment tasks.

10. Warehouse Alert
Send an SMS to the Warehouse Supervisor notifying them that a stock replenishment cycle has been initiated.

11. Generate Replenishment Summary Report
Create a summary report of all items replenished during this process run for weekly audit purposes.

12. Clean up Temporary Calculations
Delete any temporary calculation logs or transient data entries created during the processing of this workflow.

End
End of the Workflow/Process.