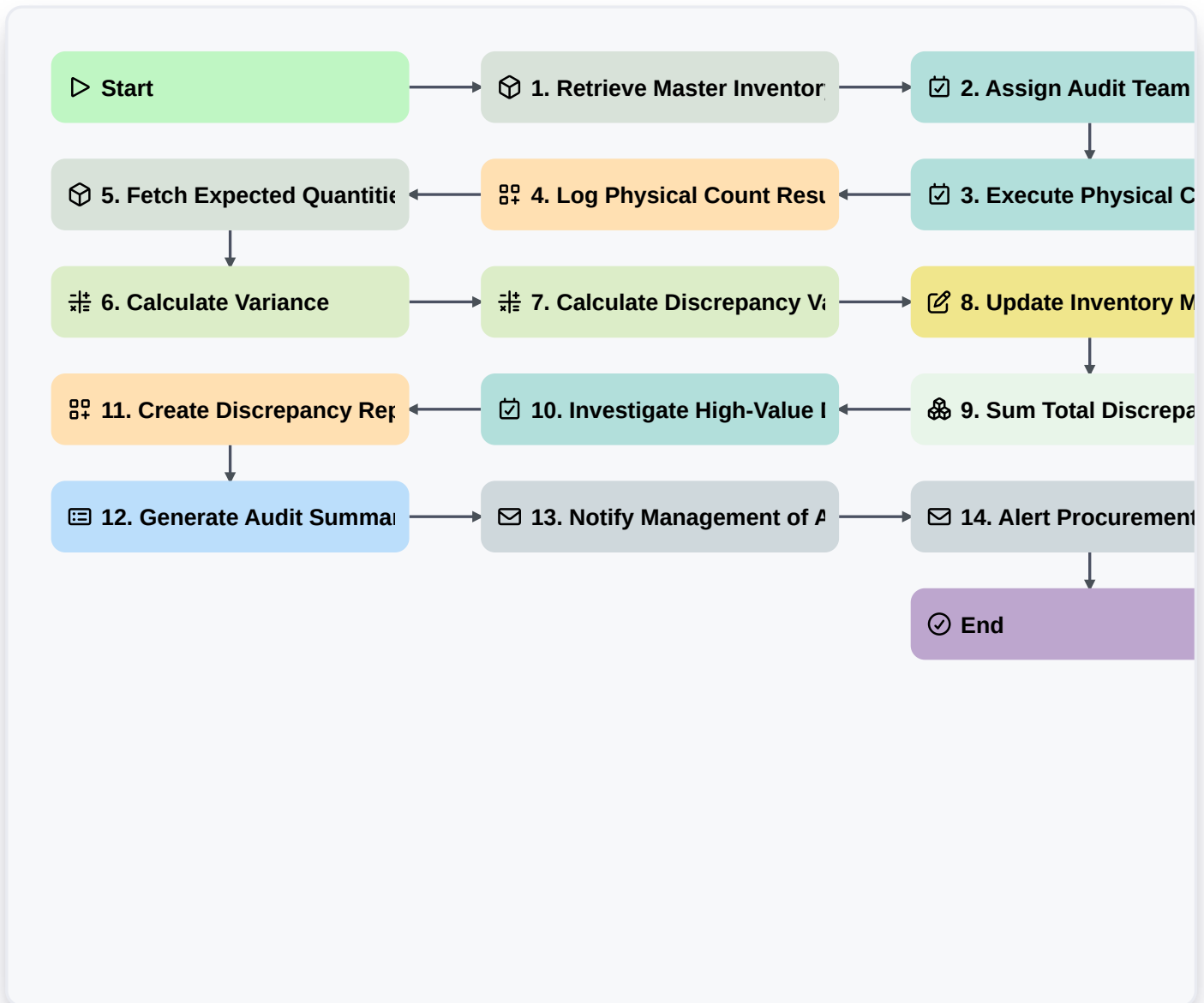


Inventory Auditing And Cycle Counting



▷ Start

Start of the Workflow/Process.

📦 1. Retrieve Master Inventory List

Fetch all current stock items and their expected quantities from the Inventory Data Model.

✅ 2. Assign Audit Team

Create a task for the Warehouse Manager to assign specific aisles to auditors.

✅ 3. Execute Physical Count

Create a task for Warehouse Staff to physically count items in the assigned zones.

📄 4. Log Physical Count Results

Create a new entry in the Audit Results Data Model containing the observed quantities.

📦 5. Fetch Expected Quantities

Retrieve the system-recorded quantities for the items currently being audited.

📊 6. Calculate Variance

Calculate the difference between the 'Expected Quantity' and the 'Physical Count' (Variance = Expected - Physical)



7. Calculate Discrepancy Value

Multiply the Variance by the Unit Cost to determine the financial impact of the discrepancy.

8. Update Inventory Master Records

Update the quantities in the Master Inventory Data Model to match the verified physical counts.

9. Sum Total Discrepancy Value

Aggregate all discrepancy values from the audit session to find the total financial loss/gain.

10. Investigate High-Value Discrepancies

Create a task for the Inventory Controller if the discrepancy value exceeds a certain threshold.

11. Create Discrepancy Report Entry

Create an entry in the Audit Logs capturing the summary of findings, variances, and total value impact.

12. Generate Audit Summary Report

Generate a formal PDF/Digital report summarizing the audit performance and accuracy rate.

13. Notify Management of Audit Completion

Send an email to the Warehouse Director with the summary of the audit results.

14. Alert Procurement of Low Stock

Send an email to the Procurement Team for any items that fell below safety stock levels during the count.

End

End of the Workflow/Process.