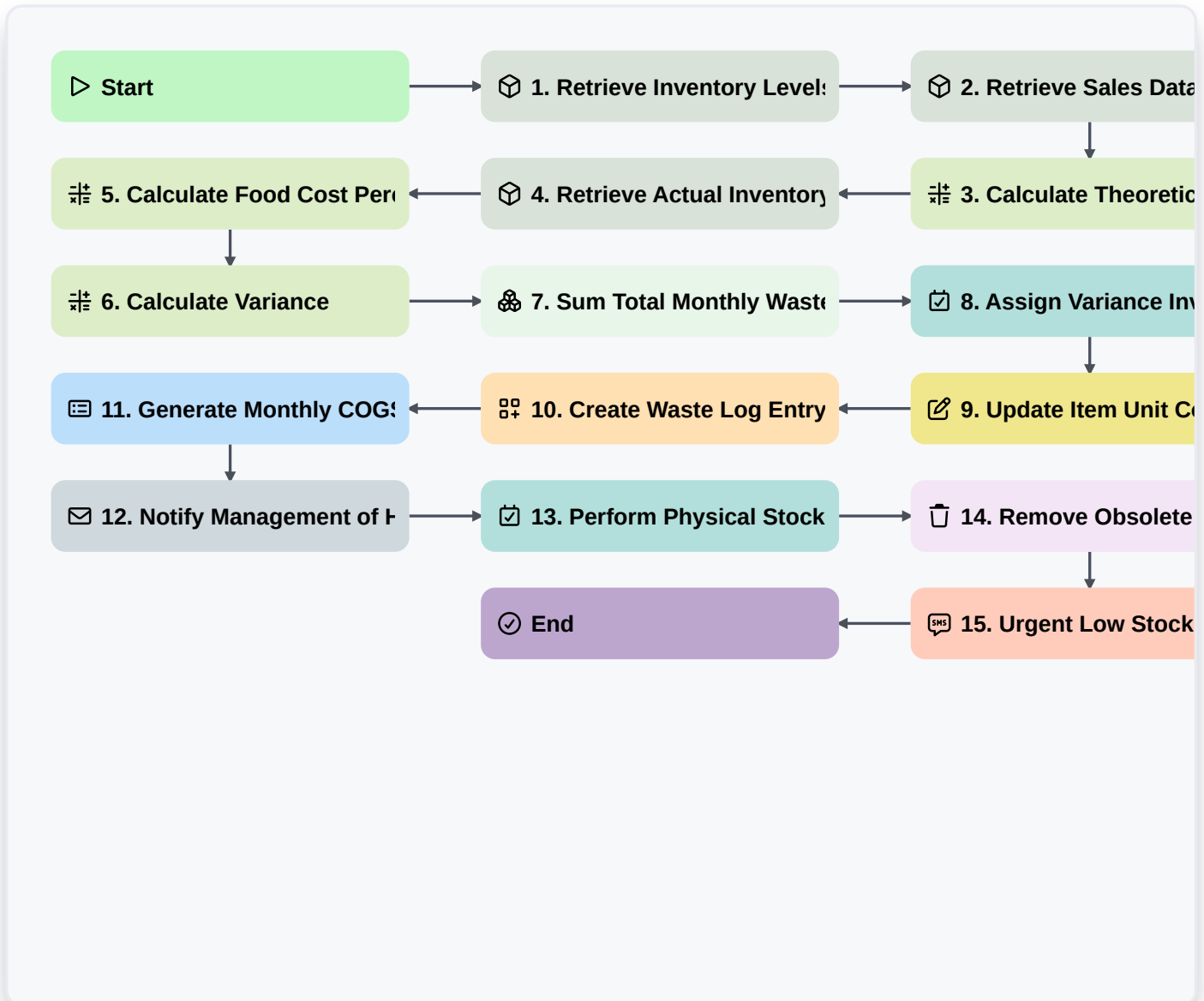


Food And Beverage Cost Control And Management Workflow



Start

Start of the Workflow/Process.

1. Retrieve Inventory Levels

Fetch current stock quantities and unit costs for all food and beverage items from the Inventory Data Model.

2. Retrieve Sales Data

Fetch total sales revenue and quantity sold per item from the Sales/POS Data Model for a specific period.

3. Calculate Theoretical Food Cost

Calculate the cost of ingredients used based on sales volume multiplied by the unit cost.

4. Retrieve Actual Inventory Value

Get the value of the physical count performed during the end-of-period stocktake.

5. Calculate Food Cost Percentage

Calculate the ratio of Cost of Goods Sold (COGS) to Total Sales (COGS / Total Sales * 100).



6. Calculate Variance

Calculate the difference between Theoretical Cost and Actual Cost to identify waste, theft, or error.

7. Sum Total Monthly Waste

Aggregate all waste entries (spillage, spoilage, expired) to determine total loss value.

8. Assign Variance Investigation

Create a task for the Kitchen Manager to investigate any variance exceeding the 2% threshold.

9. Update Item Unit Cost

Update the 'Unit Cost' field in the Inventory Data Model based on the latest supplier invoices.

10. Create Waste Log Entry

Create a new entry in the Waste Data Model when a staff member reports spoiled or dropped items.

11. Generate Monthly COGS Report

Generate a comprehensive PDF/Dashboard report summarizing food cost trends, variances, and waste totals.

12. Notify Management of High Variance

Send an automated email to the Operations Director if the Food Cost Percentage exceeds the budget.

13. Perform Physical Stock Count

Create a recurring task for the Sous Chef to perform a physical count of high-value items (e.g., proteins, alcohol).

14. Remove Obsolete SKU

Delete items from the Inventory Data Model that are no longer part of the active menu.

15. Urgent Low Stock Alert

Send an SMS to the Purchasing Manager when a critical ingredient falls below the minimum reorder point.

End

End of the Workflow/Process.