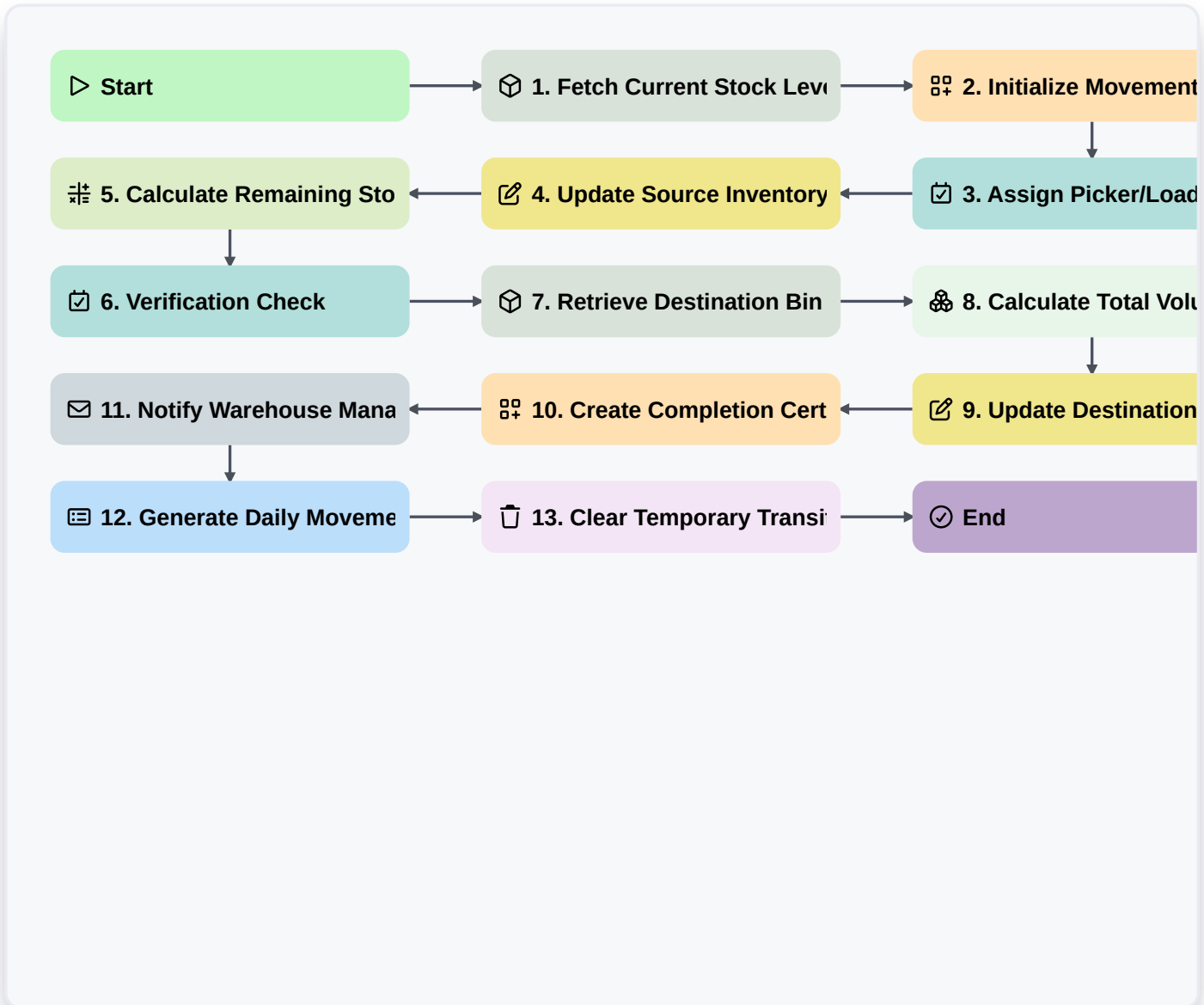


Inventory Movement And Log Tracking Process



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Current Stock Levels

Retrieve current quantity and location data for the items being moved from the Inventory Data Model.

📝 2. Initialize Movement Log

Create a new entry in the Movement Log Data Model to record the start of the transfer process.

📋 3. Assign Picker/Loader

Create a task for the Warehouse Operator to physically pick the items from the source location.

✍️ 4. Update Source Inventory Status

Update the status of the items in the source location to 'Reserved/In-Transit'.

📊 5. Calculate Remaining Stock

Subtract the quantity being moved from the initial stock quantity to determine new stock levels.

📋 6. Verification Check

Create a task for the Quality Control agent to verify the physical count against the digital record.



7. Retrieve Destination Bin Details

Get the details of the target storage location to ensure capacity is available.

8. Calculate Total Volume Moved

Sum the total weight or volume of all items included in the current movement batch.

9. Update Destination Inventory

Increase the stock quantity in the destination location data model.

10. Create Completion Certificate

Create a final entry in the Audit Trail data model to mark the movement as successfully closed.

11. Notify Warehouse Manager

Send an email notification to the manager once the movement is completed and stock levels are updated.

12. Generate Daily Movement Report

Create a summary report showing all completed inventory movements for the current shift.

13. Clear Temporary Transit Records

Delete the temporary 'In-Transit' placeholder entries once the destination update is confirmed.

End

End of the Workflow/Process.