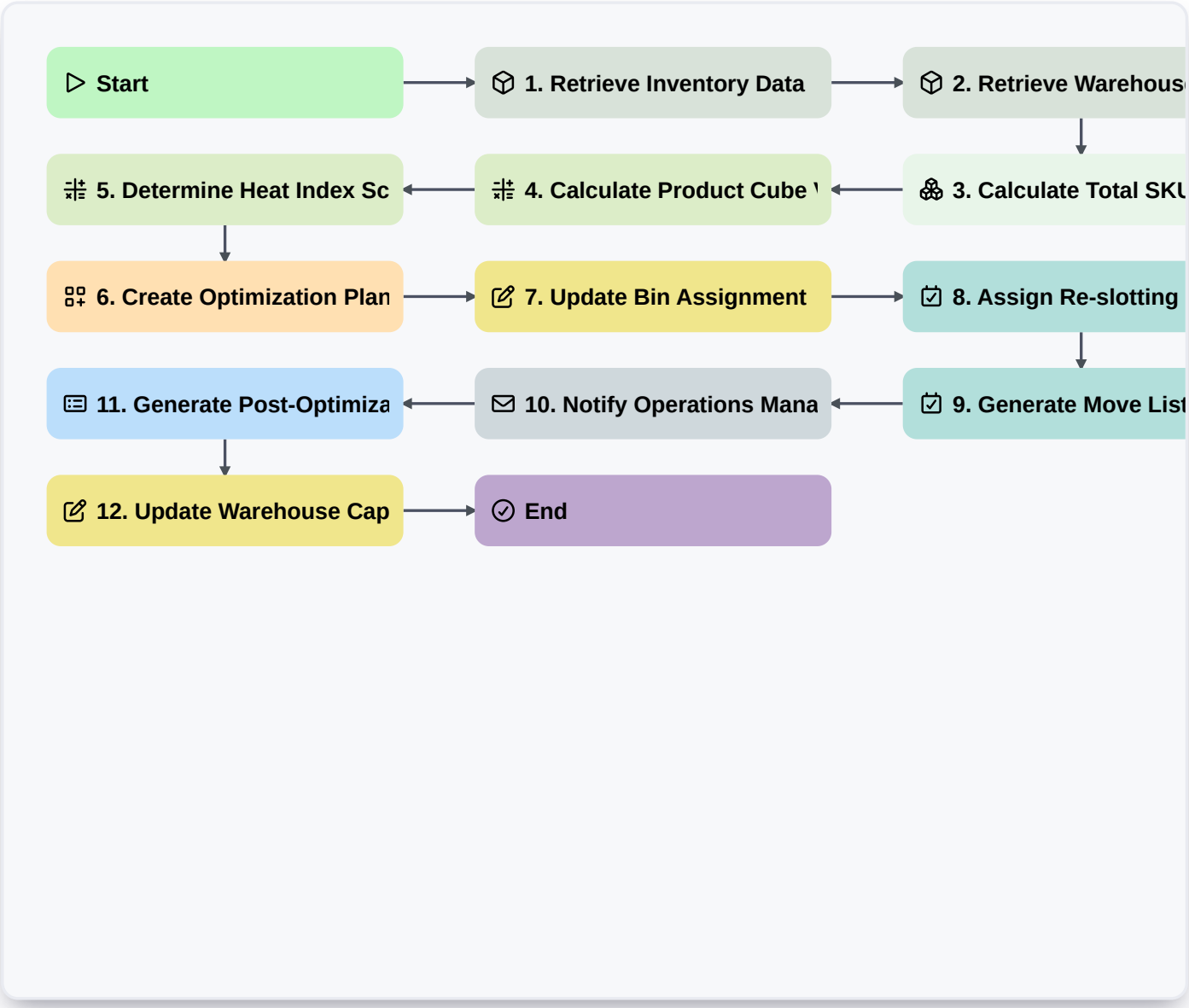
ChecklistGuro

Warehouse Slotting Optimization Process



Start
Start of the Workflow/Process.

1. Retrieve Inventory Data
Fetch all current stock levels, item dimensions, and turnover rates from the Inventory Data Model.

2. Retrieve Warehouse Layout
Fetch existing bin locations, zone capacities, and aisle dimensions from the Warehouse Map Data Model.

3. Calculate Total SKU Velocity
Aggregate the sales frequency of all SKUs to identify high-moving (A-class) vs. low-moving (C-class) items.

4. Calculate Product Cube Volume
Calculate the physical volume (Length x Width x Height) for each SKU to determine space requirements.

5. Determine Heat Index Score
Execute a formula combining turnover rate and physical size to calculate a 'Slotting Priority Score'.

6. Create Optimization Plan
Create a new entry in the 'Slotting Optimization Plan' model containing the proposed new mapping.

7. Update Bin Assignment
Update the 'Location ID' field in the Inventory Data Model to reflect the new suggested slot.

8. Assign Re-slotting Task
Create a task for the Warehouse Floor Manager to oversee the physical movement of goods.

9. Generate Move List
Create a task for Pickers to execute the physical relocation of items from old bins to new bins.

10. Notify Operations Manager
Send an email to the Operations Manager with the summary of the new Slotting Optimization Plan.

11. Generate Post-Optimization Report
Create a report comparing 'Before' and 'After' picking travel distances and space utilization metrics.

12. Update Warehouse Capacity Status
Update the Warehouse Zone occupancy percentages in the Warehouse Map Data Model.

End
End of the Workflow/Process.