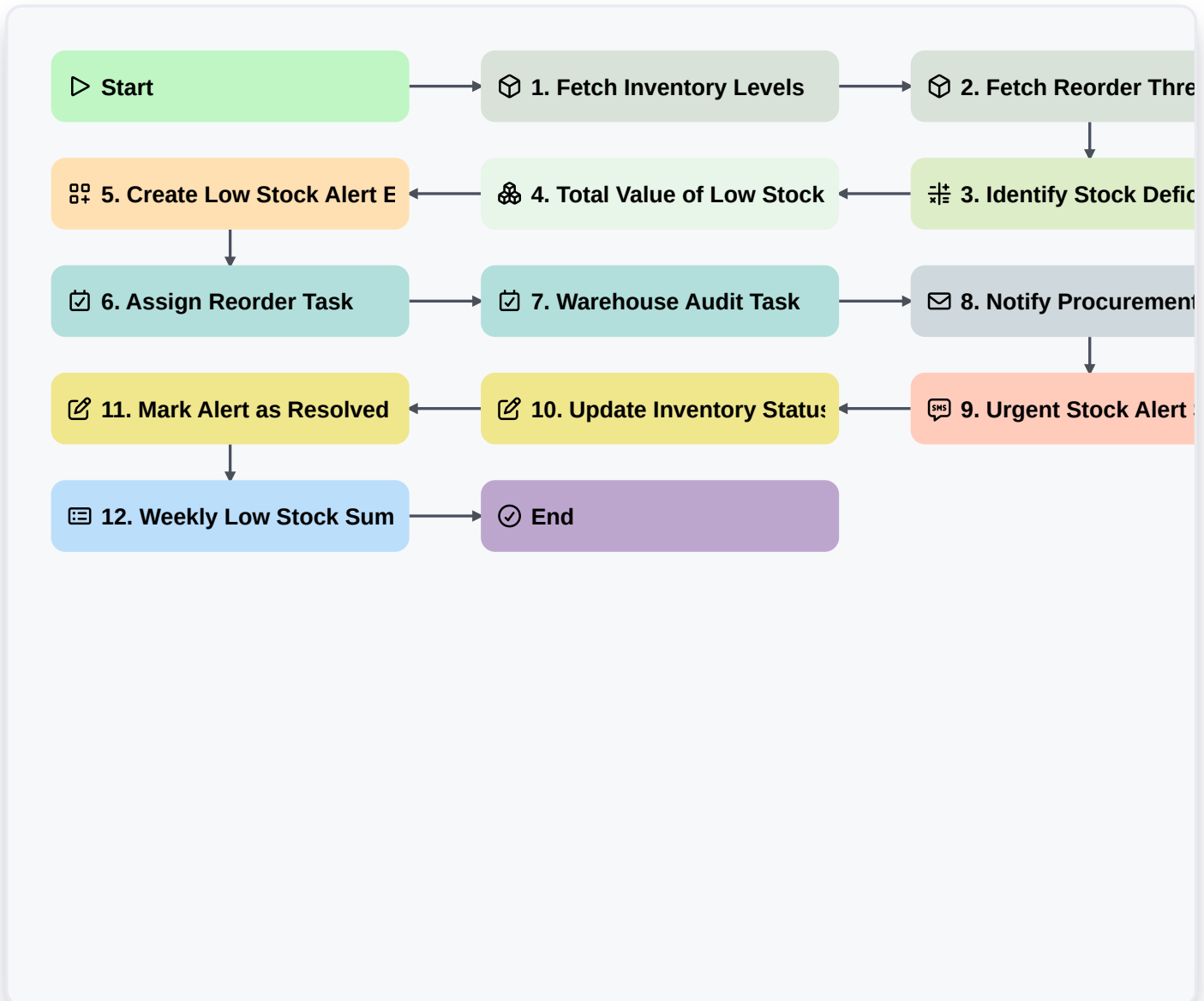


# Low Stock Alert And Alert Management Workflow



## ▶ Start

Start of the Workflow/Process.

## 📦 1. Fetch Inventory Levels

Retrieve all entries from the Inventory Data Model to check current stock quantities against minimum thresholds.

## 📦 2. Fetch Reorder Thresholds

Retrieve the 'Minimum Stock Level' values from the Inventory Data Model for comparison.

## 📊 3. Identify Stock Deficit

Calculate the difference between Current Stock and Minimum Threshold (Current Stock - Min Threshold) for each item.

## 📦 4. Total Value of Low Stock Items

Sum the total monetary value of all items currently identified as being in a 'Low Stock' state.

## 📊 5. Create Low Stock Alert Entry

Create a new entry in the 'Alerts' Data Model containing the item ID, the deficit amount, and the timestamp.



## 📌 **6. Assign Reorder Task**

Create a task assigned to the Procurement Officer to initiate a purchase order for the depleted items.

## 📌 **7. Warehouse Audit Task**

Create a task for the Warehouse Manager to physically verify the stock count to rule out data entry errors.

## ✉️ **8. Notify Procurement Team**

Send an automated email to the procurement department with a list of items requiring immediate replenishment.

## 📱 **9. Urgent Stock Alert SMS**

Send an SMS notification to the Warehouse Manager if the stock level of a 'Critical' item falls below a specific extreme limit.

## ✍️ **10. Update Inventory Status**

Update the 'Status' property of the specific Inventory Entry from 'Healthy' to 'Low Stock'.

## ✍️ **11. Mark Alert as Resolved**

Update the Alert Data Model entry to 'Resolved' once the new stock has been received and logged.

## 📄 **12. Weekly Low Stock Summary Report**

Generate a report summarizing all Low Stock Alerts and Reorder Tasks completed during the week.

## 🏁 **End**

End of the Workflow/Process.