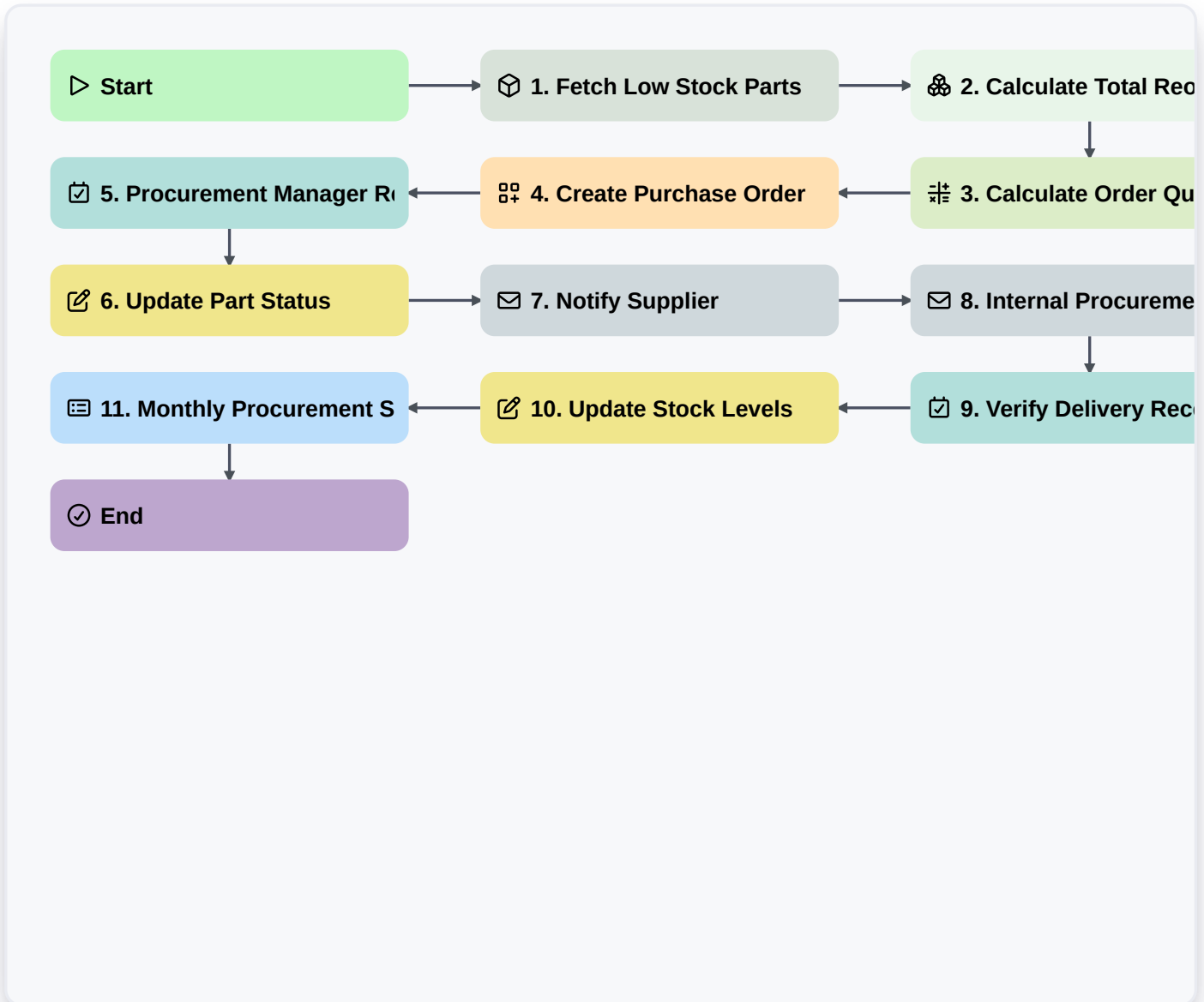


Automotive Parts Inventory Reordering Process



Start

Start of the Workflow/Process.

1. Fetch Low Stock Parts

Retrieve all entries from the 'Parts' data model where current stock levels are below the defined reorder point.

2. Calculate Total Reorder Value

Sum the 'Unit Price' of all parts identified for reordering to determine total procurement budget required.

3. Calculate Order Quantity

Execute formula (Reorder Point - Current Stock) to determine exactly how many units need to be ordered per part.

4. Create Purchase Order

Generate a new entry in the 'Purchase Orders' data model containing the list of parts, quantities, and supplier info.

5. Procurement Manager Review

Create a task for the Procurement Manager to review and approve the newly created Purchase Order.

6. Update Part Status

Update the 'Parts' data model to change the status of the identified items from 'In Stock' to 'Reorder Pending'.



✉ **7. Notify Supplier**

Send an email to the assigned Vendor's contact address with the details of the new Purchase Order.

✉ **8. Internal Procurement Alert**

Send an email notification to the Warehouse Manager that a reorder process has been initiated.

📅 **9. Verify Delivery Receipt**

Create a task for the Warehouse Clerk to verify the physical stock arrival once the delivery date is reached.

✍ **10. Update Stock Levels**

Upon delivery, update the 'Parts' data model by adding the 'Ordered Quantity' to the 'Current Stock' field.

📄 **11. Monthly Procurement Summary**

Generate a report showing the total spend and frequency of reorders for the month.

🏁 **End**

End of the Workflow/Process.