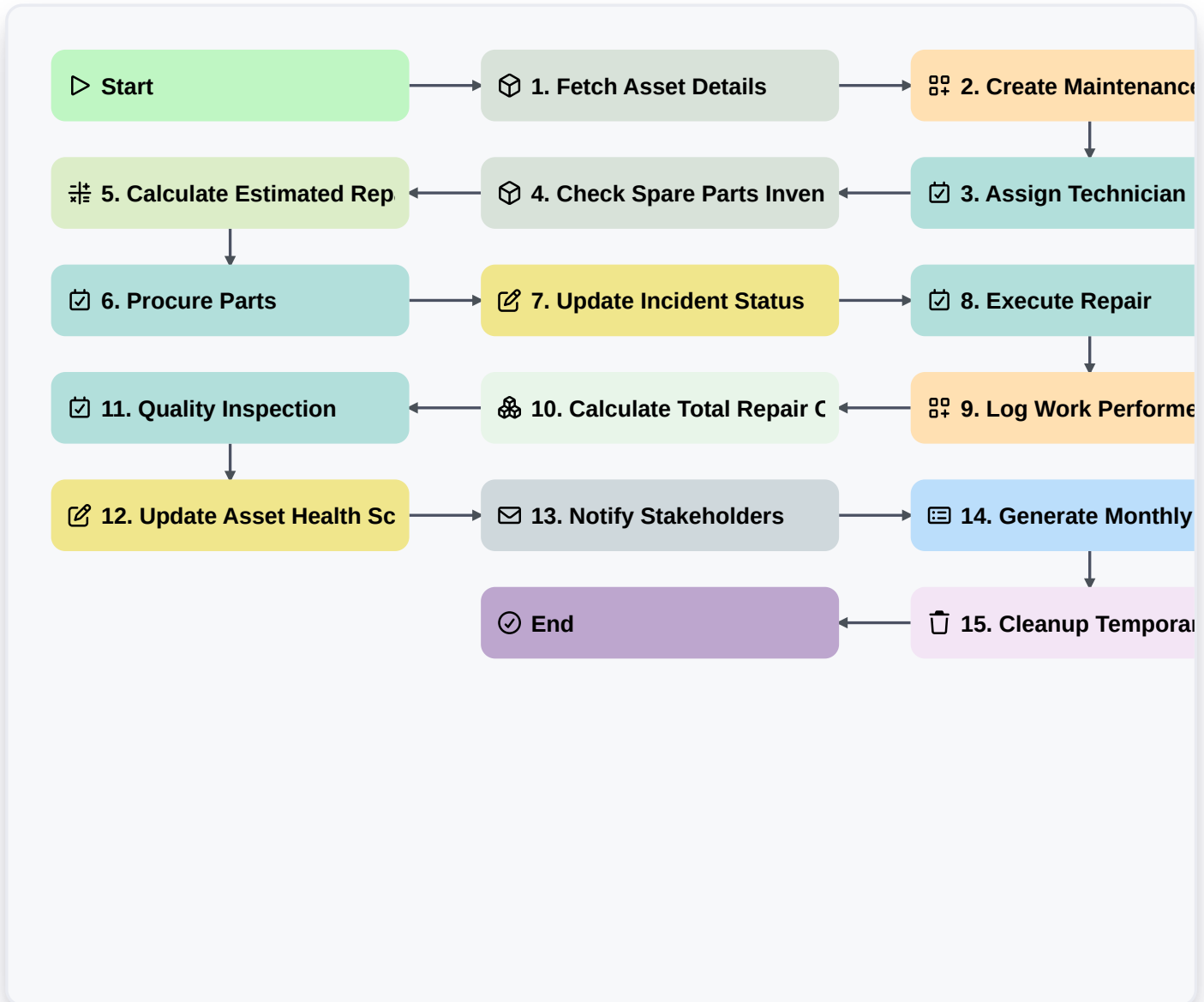


Reactive Maintenance Management Process



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Asset Details

Retrieve the specific equipment or machinery details from the Assets data model using the reported ID.

📄 2. Create Maintenance Incident

Create a new entry in the Maintenance Log data model to record the initial failure report.

📋 3. Assign Technician

Create a task for the Maintenance Supervisor to review the incident and assign a technician.

📦 4. Check Spare Parts Inventory

Search the Inventory data model to see if required parts for the specific asset are available.

📈 5. Calculate Estimated Repair Time

Calculate the expected downtime by adding labor time and part procurement lead time.

📋 6. Procure Parts

Create a task for the Procurement Officer if parts are identified as 'Out of Stock'.



7. Update Incident Status

Update the Maintenance Log entry status from 'Reported' to 'In Progress' once work begins.

8. Execute Repair

Create a task for the assigned Technician to perform the physical repair work.

9. Log Work Performed

Create an entry in the Work History data model detailing the actions taken during the repair.

10. Calculate Total Repair Cost

Sum the costs of all part entries and labor entries associated with this specific incident.

11. Quality Inspection

Create a task for the Supervisor to verify that the repair meets safety and operational standards.

12. Update Asset Health Score

Update the 'Health Score' field in the Asset data model based on the outcome of the repair.

13. Notify Stakeholders

Send an email to the Production Manager notifying them that the asset is back in service.

14. Generate Monthly Downtime Report

Create a report aggregating all completed maintenance tasks for the current month to analyze MTTR (Mean Time To Repair).

15. Cleanup Temporary Work Orders

Delete temporary or draft maintenance requests that were created in error or duplicated.

End

End of the Workflow/Process.