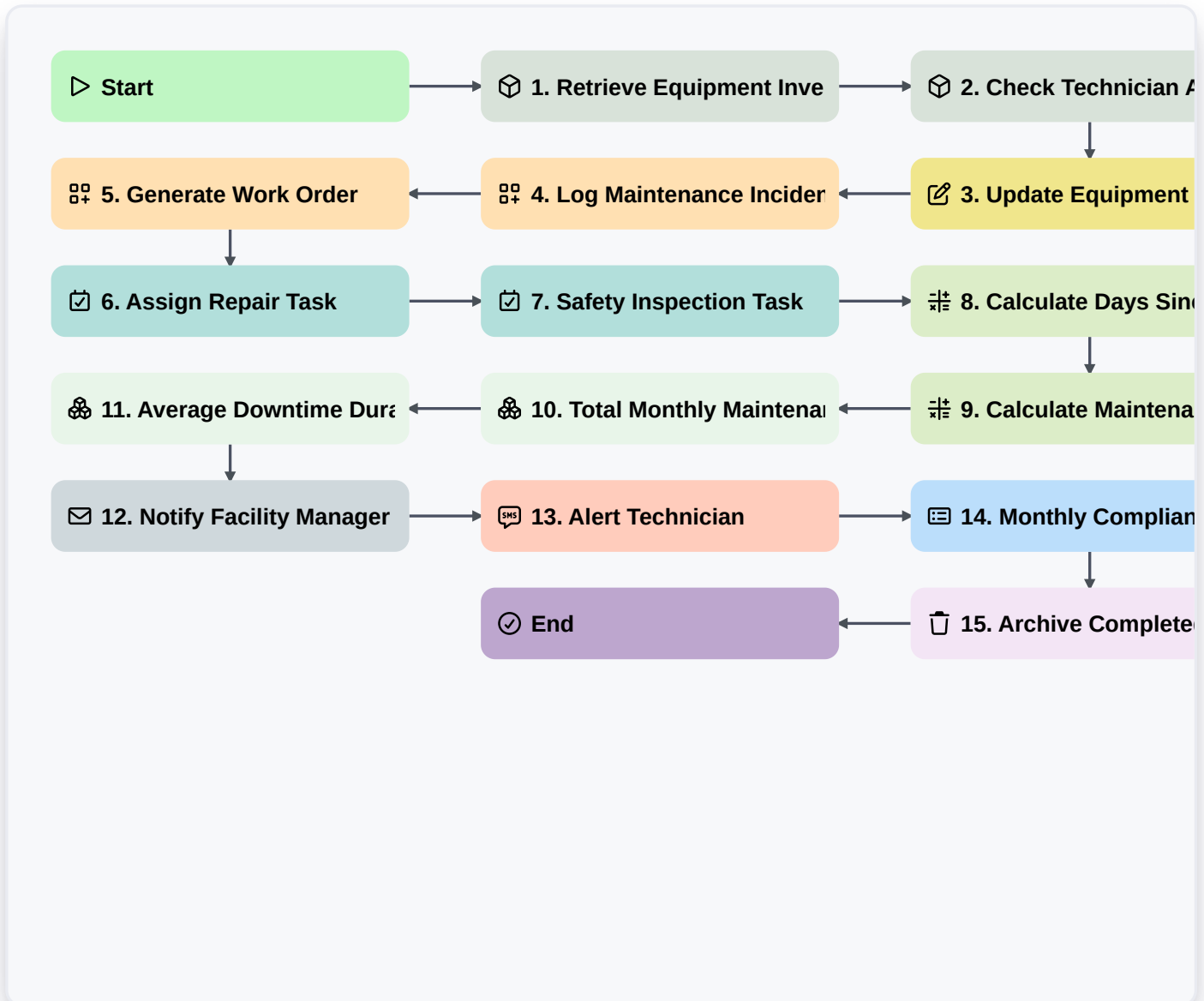


# Healthcare Facility Management And Maintenance



## ▶ Start

Start of the Workflow/Process.

## 📦 1. Retrieve Equipment Inventory

Fetch all active medical devices and machinery from the Equipment Data Model to check maintenance schedules.

## 👤 2. Check Technician Availability

Retrieve staff entries from the Personnel Data Model to identify available maintenance engineers.

## ✍️ 3. Update Equipment Status

Update the status of a specific machine entry to 'Under Maintenance' or 'Out of Order' in the Equipment Data Model.

## 📝 4. Log Maintenance Incident

Create a new entry in the Maintenance Log Data Model when a fault is reported.

## 📝 5. Generate Work Order

Create a new entry in the Work Order Data Model containing the repair details and assigned technician.



## 📌 6. Assign Repair Task

Create a task for the assigned technician to perform the physical inspection and repair.

## 📌 7. Safety Inspection Task

Create a task for the Safety Officer to verify that the facility meets compliance standards after repair.

## 📊 8. Calculate Days Since Last Service

Calculate the delta between the current date and the 'Last Maintenance Date' field to determine if service is overdue.

## 📊 9. Calculate Maintenance Cost

Calculate the total cost of the maintenance event by summing parts and labor.

## 📊 10. Total Monthly Maintenance Spend

Aggregate all maintenance entries from the current month to calculate the total expenditure.

## 📊 11. Average Downtime Duration

Calculate the average time between 'Issue Reported' and 'Issue Resolved' across all recent work orders.

## ✉️ 12. Notify Facility Manager

Send an email alert to the Facility Manager when a critical piece of equipment is marked as 'Out of Order'.

## 📱 13. Alert Technician

Send an SMS notification to the assigned technician when a new high-priority Work Order is assigned to them.

## 📄 14. Monthly Compliance Report

Generate a periodic report summarizing all completed inspections and any failed safety checks for regulatory auditing.

## 🗑️ 15. Archive Completed Records

Remove or move old, completed maintenance entries from the active view to the archive data model.

## ✅ End

End of the Workflow/Process.