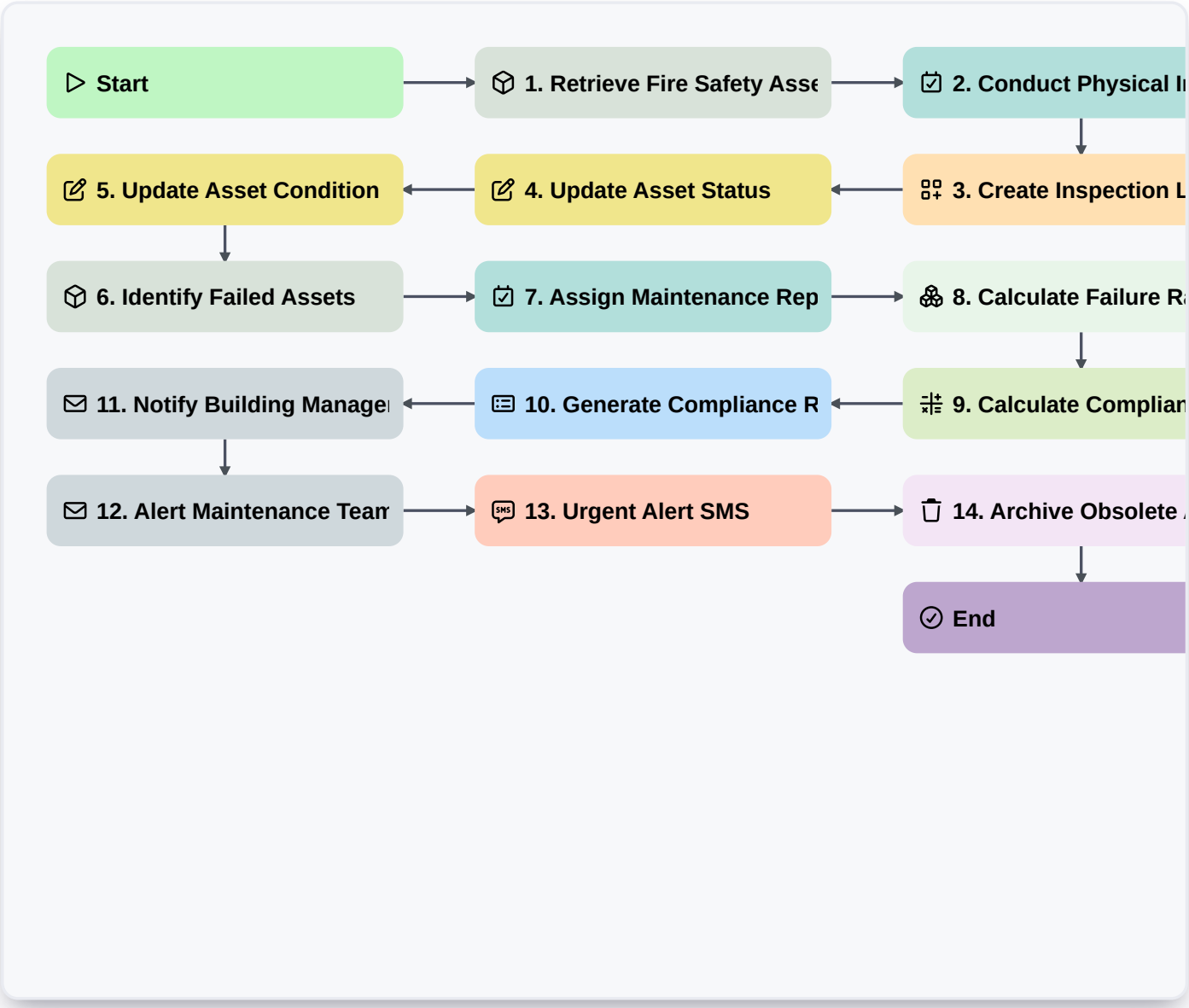
ChecklistGuro

Fire Safety System Testing And Maintenance



Start
Start of the Workflow/Process.

1. Retrieve Fire Safety Assets
Fetch all active fire extinguishers, alarms, and sprinklers from the Assets Data Model.

2. Conduct Physical Inspection
Assign a task to the Safety Officer to physically inspect each asset listed in the assets fetch.

3. Create Inspection Log
Create a new Data Entry in the 'Inspection Logs' model to record the results of the current testing session.

4. Update Asset Status
Update the 'Last Inspection Date' and 'Next Inspection Due Date' for each asset in the Assets Data Model.

5. Update Asset Condition
Update the 'Condition' field (e.g., Functional, Needs Repair, Failed) based on the inspection results.

6. Identify Failed Assets
Retrieve all entries from the Inspection Log where the status is marked as 'Failed'.

7. Assign Maintenance Repair
Create a high-priority task for the Maintenance Team for every failed asset identified.

8. Calculate Failure Rate
Aggregate inspection logs to calculate the percentage of assets that failed the safety test.

9. Calculate Compliance Score
Execute a formula: (Total Passed Assets / Total Assets) * 100 to determine the building safety score.

10. Generate Compliance Report
Compile all inspection data, failure rates, and compliance scores into a formal PDF Safety Report.

11. Notify Building Management
Send an email summary of the inspection results and the final compliance score to the Facility Manager.

12. Alert Maintenance Team
Send an email notification to the maintenance department regarding the specific assets requiring immediate repair.

13. Urgent Alert SMS
Send an SMS to the Head of Security if the Compliance Score falls below a critical threshold.

14. Archive Obsolete Assets
Delete or move to archive any assets from the Data Model that have been decommissioned during the inspection.

End
End of the Workflow/Process.