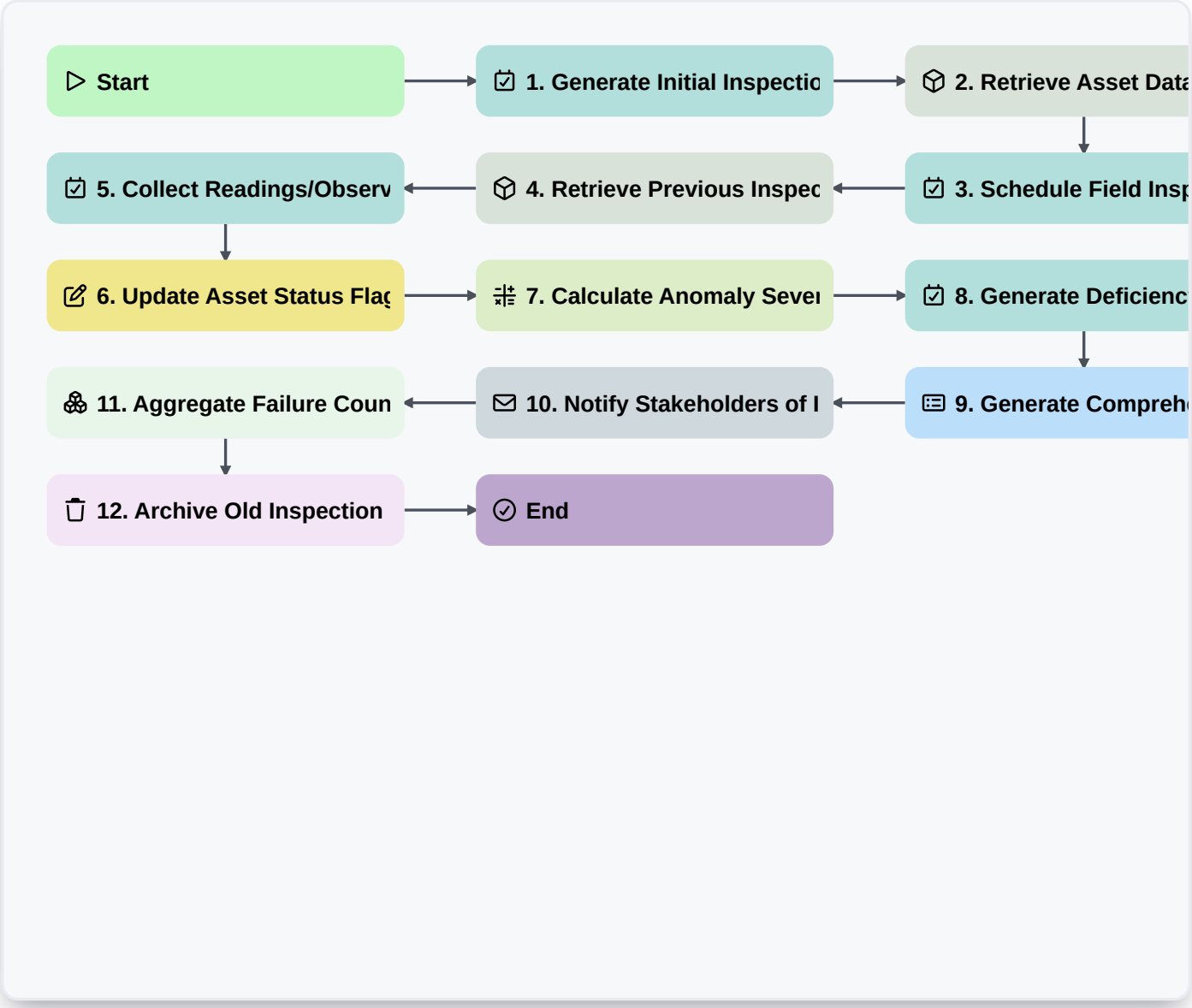
ChecklistGuro

Utility Infrastructure Inspection Workflow: Digital Asset Management And Compliance



Start
Start of the Workflow/Process.

1. Generate Initial Inspection Assignment
Automatically assign the initial inspection tasks to the relevant technician based on asset location or type.

2. Retrieve Asset Data Model
Fetch necessary details (e.g., last inspection date, asset ID, required checks) from the main asset data model.

3. Schedule Field Inspection Task
Create a time-bound task for the technician to perform the physical inspection.

4. Retrieve Previous Inspection Records
Fetch historical inspection data for trend analysis and comparative assessment.

5. Collect Readings/Observations
Create dedicated entries for measurable data (e.g., pressure readings, flow rates) or visual findings (e.g., cracks, leaks).

6. Update Asset Status Flag
Update the master asset record upon completion, marking the asset as 'Inspected' or 'Needs Attention'.

7. Calculate Anomaly Severity Score
Execute formulas based on readings to determine risk level (e.g., (Severity_A * Weight_A) + (Severity_B * Weight_B)).

8. Generate Deficiency Report Task
If inspection results fail thresholds, automatically create a follow-up corrective action task.

9. Generate Comprehensive Inspection Report
Compile all collected data, checklists, and calculated scores into a final, shareable PDF/digital report.

10. Notify Stakeholders of Inspection Completion
Automatically email the manager and client with the final report and summary findings.

11. Aggregate Failure Counts by System
Summarize all recorded deficiencies and group them by specific utility system (Pumps, Valves, Piping).

12. Archive Old Inspection Records
Optionally delete or archive inspection entries older than N years to maintain data cleanliness.

End
Start of the Workflow/Process.