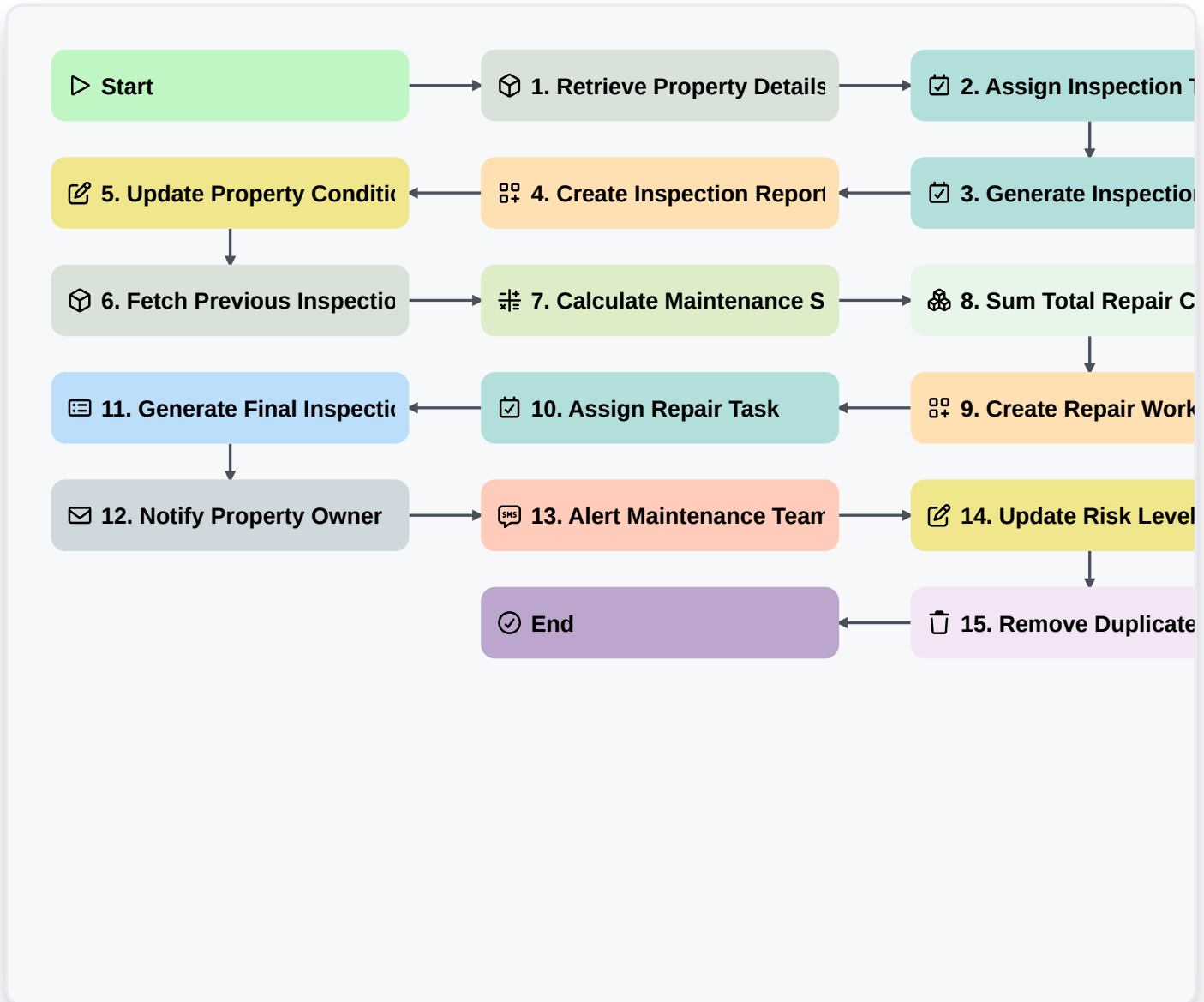


Property Inspection And Reporting Process



Start

Start of the Workflow/Process.

1. Retrieve Property Details

Fetch property address, owner information, and property type from the Property Data Model.

2. Assign Inspection Task

Create a task for the Field Inspector to visit the property and perform the physical inspection.

3. Generate Inspection Checklist

Populate the task with a standardized checklist covering structural, electrical, and plumbing components.

4. Create Inspection Report Entry

Create a new record in the Inspection Reports data model once the inspection task is completed.

5. Update Property Condition Status

Update the 'Last Inspected Date' and 'Condition Rating' fields in the original Property Data Model.

6. Fetch Previous Inspection Data

Retrieve the results from the most recent historical inspection to compare findings.



7. Calculate Maintenance Score

Execute a formula based on checklist findings (e.g., subtracting points for every identified defect) to derive a health score.

8. Sum Total Repair Costs

Aggregate all estimated repair costs identified in the checklist items to calculate the total projected expenditure.

9. Create Repair Work Order

If defects are found, automatically create a new entry in the Work Order data model.

10. Assign Repair Task

Create a task for the Maintenance Manager to review and approve the identified repair items.

11. Generate Final Inspection PDF

Generate a formal, non-editable PDF report summarizing the inspection findings and photos.

12. Notify Property Owner

Send an automated email to the property owner containing the summary of the inspection and the maintenance score.

13. Alert Maintenance Team

Send an SMS notification to the maintenance contractor when a new repair work order is created.

14. Update Risk Level

Update the 'Risk Category' field in the Property Data Model based on the calculated maintenance score.

15. Remove Duplicate Inspection Drafts

Delete any incomplete or duplicate inspection draft entries to maintain data hygiene.

End

End of the Workflow/Process.