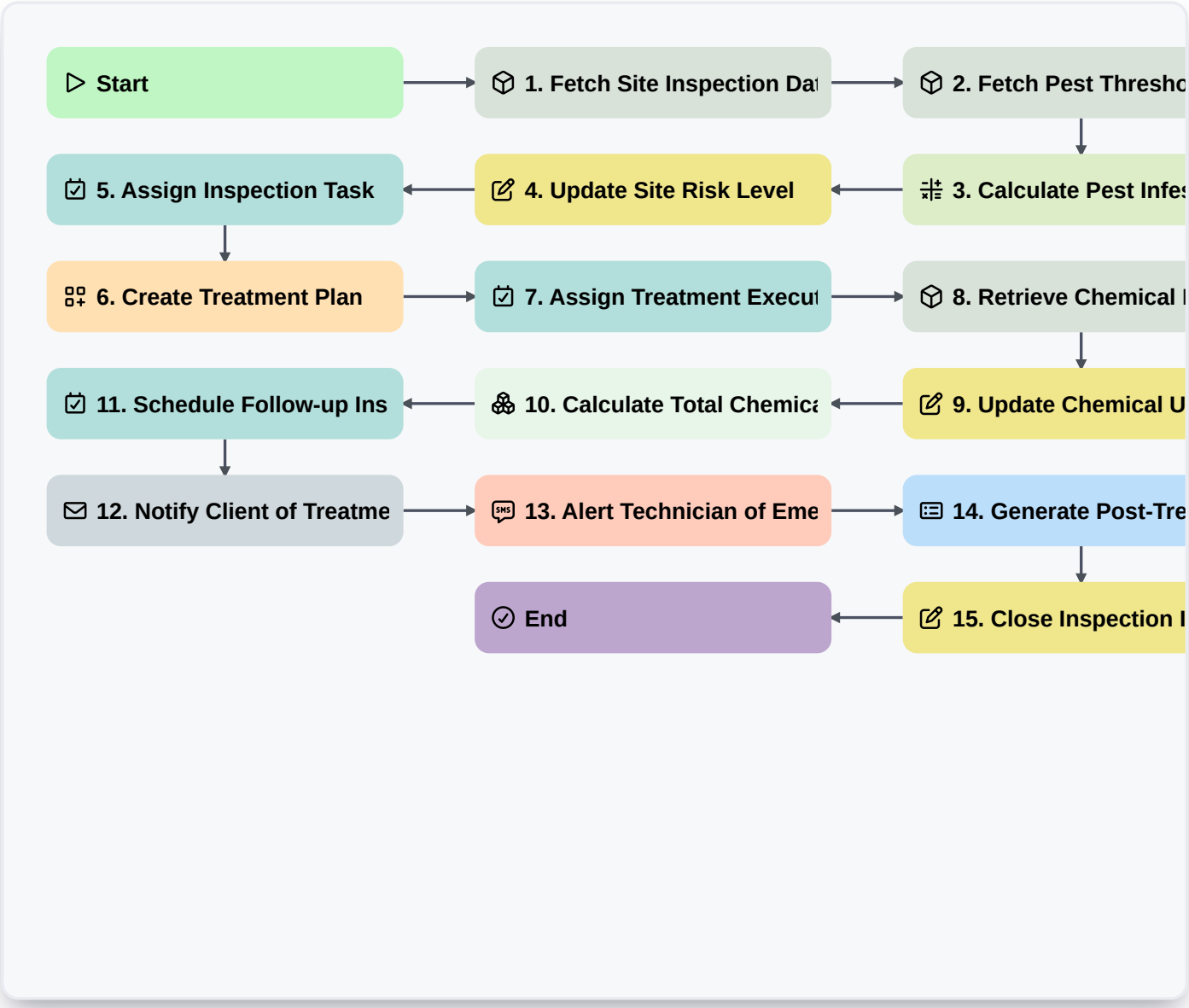
ChecklistGuro

Integrated Pest Management (IPM) Workflow



Start
Start of the Workflow/Process.

1. Fetch Site Inspection Data
Retrieve existing inspection records and pest density logs from the Site Data model.

2. Fetch Pest Threshold Levels
Retrieve the predefined tolerance/threshold values for different pest species from the Pest Database.

3. Calculate Pest Infestation Severity
Compare current pest counts against threshold levels to determine if the severity is Low, Medium, or High.

4. Update Site Risk Level
Update the 'Risk Status' field in the Site Data model based on the calculated severity.

5. Assign Inspection Task
Create a task for a Field Technician to perform a detailed perimeter sweep.

6. Create Treatment Plan
Create a new entry in the Treatment Plan model detailing the proposed chemical or mechanical controls.

7. Assign Treatment Execution
Create a task for the Technician to apply the approved pest control measures.

8. Retrieve Chemical Inventory
Fetch available approved pesticides and quantities from the Inventory data model.

9. Update Chemical Usage
Deduct the amount of pesticide used from the Chemical Inventory entries.

10. Calculate Total Chemical Cost
Sum the cost of all chemicals and materials used in the current treatment session.

11. Schedule Follow-up Inspection
Create a task to re-inspect the site after a set period (e.g., 14 days) to verify efficacy.

12. Notify Client of Treatment
Send an email to the client containing the treatment plan and safety precautions.

13. Alert Technician of Emergency Pest Alert
Send an SMS to the technician if a high-severity infestation is detected.

14. Generate Post-Treatment Report
Generate a formal PDF/Report summarizing the inspection findings, actions taken, and remaining risks.

15. Close Inspection Incident
Update the status of the original inspection entry to 'Completed' or 'Resolved'.

End
End of the Workflow/Process.