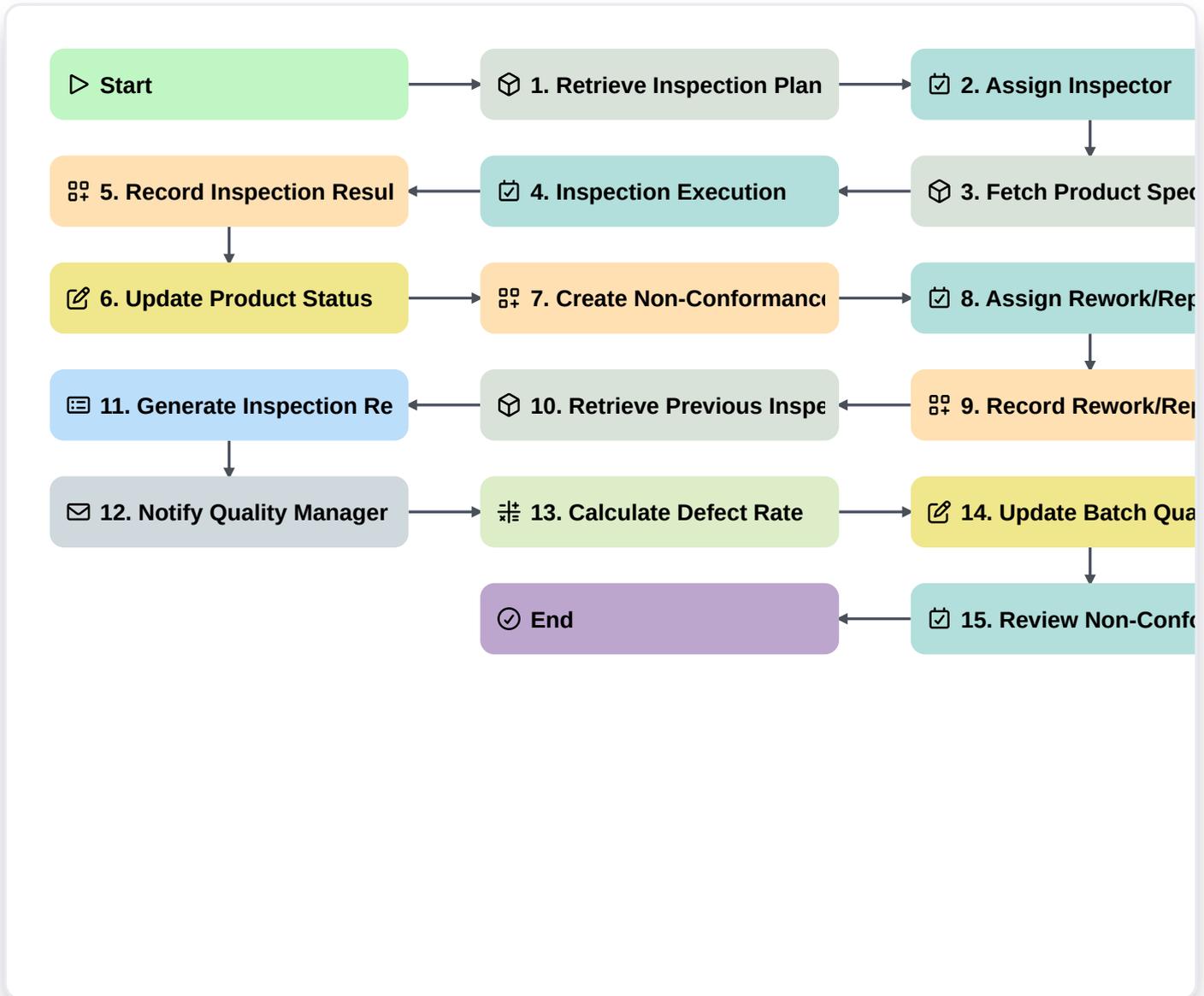# ChecklistGuro

# Manufacturing Quality Inspection Workflow



## ▷ Start
Start of the Workflow/Process.

## ⬡ 1. Retrieve Inspection Plan
Fetch the relevant inspection plan based on the production order or batch.

## ☑ 2. Assign Inspector
Automatically assign the inspection task to an available quality inspector.

## ⬡ 3. Fetch Product Specifications
Retrieve the product specifications from the BOM or product data model.

## ☑ 4. Inspection Execution
Task for the inspector to execute the inspection according to the plan.

## ⊞ 5. Record Inspection Results
Create a new entry to store the inspection results, including measurements and observations.

## ✎ 6. Update Product Status
Update the product status in the product data model (e.g., Pass, Fail, Rework).

### ⊞ 7. Create Non-Conformance Report (if Fail)
Automatically create a non-conformance report if the inspection fails.

### ☑ 8. Assign Rework/Repair Task
If the product fails, assign a rework or repair task to the relevant team.

### ⊞ 9. Record Rework/Repair Details
Record details of any rework or repair activities performed.

### ⬡ 10. Retrieve Previous Inspection History
Retrieve inspection history for the product to identify trends or patterns.

### 🗔 11. Generate Inspection Report
Create a detailed report summarizing the inspection results.

### ✉ 12. Notify Quality Manager
Send an email to the quality manager with a summary of the inspection results.

### ⊹ 13. Calculate Defect Rate
Calculate the defect rate based on the inspection results.

### ✎ 14. Update Batch Quality Score
Update the overall quality score for the batch based on the inspection results.

### ☑ 15. Review Non-Conformance (if NCR)
Create a task for a review of the non-conformance report by a senior engineer.

### ⊘ End
Start of the Workflow/Process.