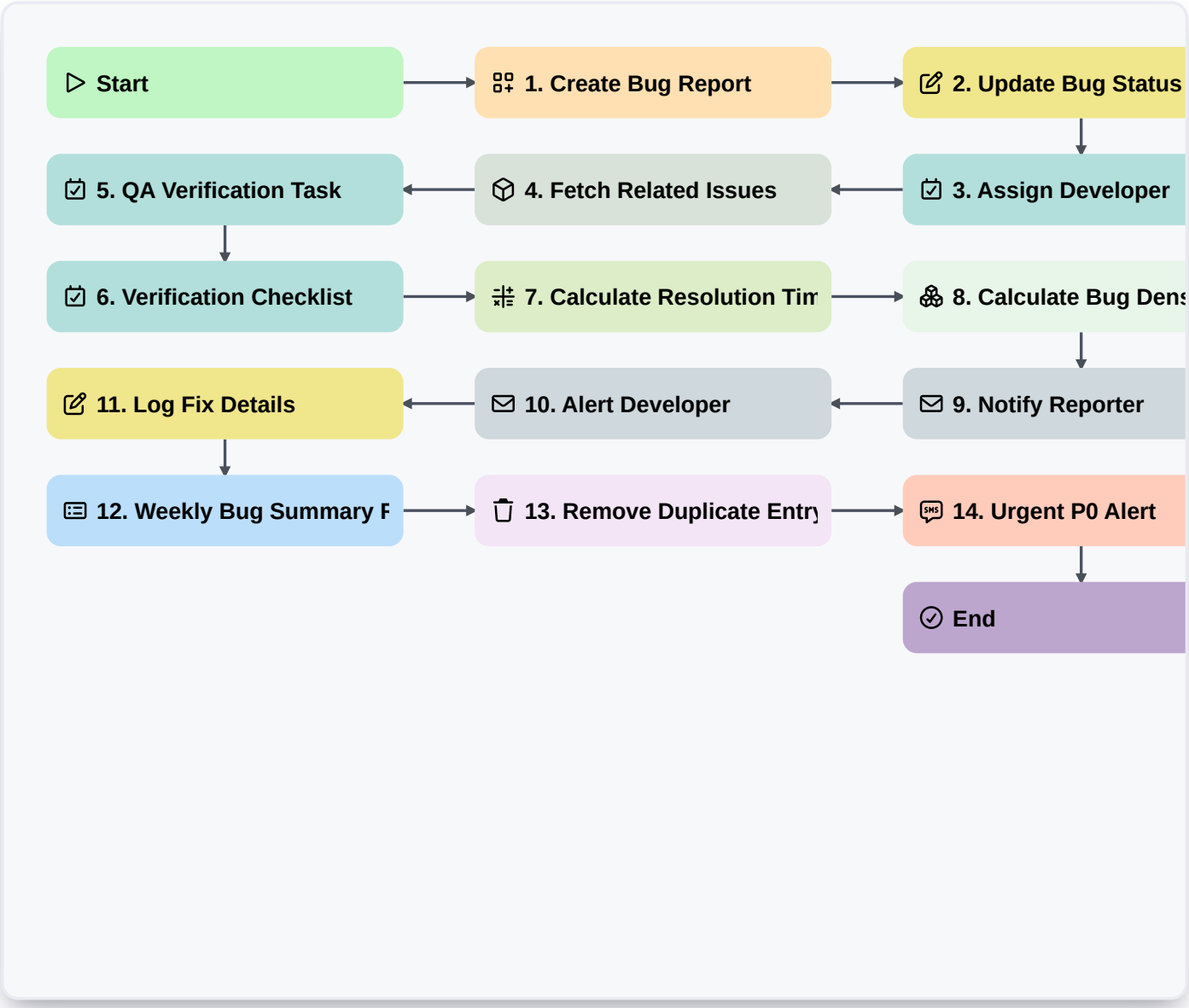
ChecklistGuro

Bug Tracking And Resolution Workflow



Start
Start of the Workflow/Process.

1. Create Bug Report
Initialize a new entry in the Bug Data Model with details like severity, description, and reporter.

2. Update Bug Status
Update the status of the bug entry (e.g., New, In Progress, Resolved, Closed) as it moves through the workflow.

3. Assign Developer
Create a task assigned to a specific developer to investigate and fix the reported bug.

4. Fetch Related Issues
Retrieve existing entries from the Bug Data Model to check for duplicate reports or related historical bugs.

5. QA Verification Task
Create a task for the QA Engineer to verify the fix once the developer marks the bug as 'Resolved'.

6. Verification Checklist
A set of sub-tasks within the QA task to ensure reproduction steps are followed and regression is checked.

7. Calculate Resolution Time
Calculate the duration between 'Created Date' and 'Resolved Date' to track SLA compliance.

8. Calculate Bug Density
Aggregate all bug entries to calculate the average number of high-severity bugs currently open.

9. Notify Reporter
Send an automated email to the original reporter when the bug status changes to 'Resolved'.

10. Alert Developer
Send an email notification to the assigned developer when a new high-priority bug is assigned to them.

11. Log Fix Details
Update the bug entry with the 'Resolution Notes' and 'Root Cause' provided by the developer.

12. Weekly Bug Summary Report
Generate a report summarizing the number of resolved vs. unresolved bugs for stakeholders.

13. Remove Duplicate Entry
Delete a bug entry if it is identified as a complete duplicate of an existing record.

14. Urgent P0 Alert
Send an SMS alert to the On-Call Engineer if a bug is flagged with 'Critical' severity.

End
End of the Workflow/Process.