

Bug Life Cycle



Swipe →

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Agenda

- ▼ What is a Bug?
- ▼ Bug Life Cycle
- ▼ Bug Reporting
- ▼ Bug Tracking
- ▼ What is Severity and Priority?
- ▼ Conclusion



What is a Bug?

- ▼ A defect is an error or bug in an application that is created during the building or designing of software and due to which software starts to show abnormal behaviors during its use.
- ▼ So, it is one of the important responsibilities of the tester to find all defects possible to ensure the quality of the product is not affected and the product is fulfilling all requirements perfectly for which it has been designed and provide required services to the end-user.



Bug Life Cycle

▼ New:

- **Definition:** The "New" stage is where a bug is first reported.
- **Responsibility:** QA analysts or testers typically create new bug reports.

▼ Assigned:

- **Definition:** Bugs move from "New" to "Assigned" when developers take responsibility for investigating and fixing them.

▼ Open:

- **Definition:** The "Open" stage occurs when developers acknowledge a bug and begin working on a solution.
- **Status:** The bug is still unresolved but actively being addressed.



Bug Life Cycle

▼ In Progress

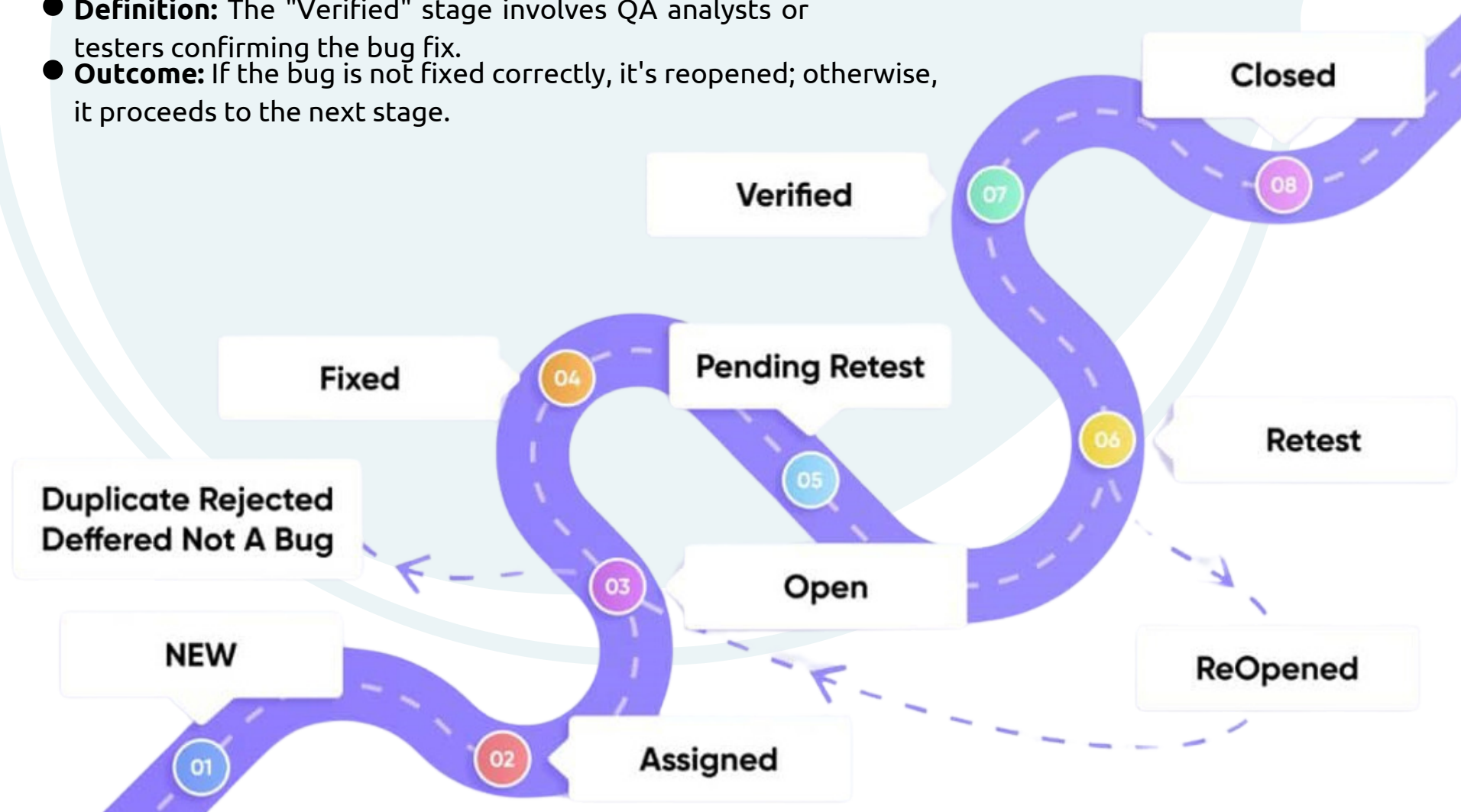
- **Definition:** In the "In Progress" stage, developers actively work on fixing the bug.
- **Status:** The bug is not yet resolved but is actively being addressed.

▼ Fixed:

- **Definition:** The "Fixed" stage indicates that the developer has successfully implemented a solution.
- **Information:** Developers should provide details about the fix, such as code changes.

▼ Verified:

- **Definition:** The "Verified" stage involves QA analysts or testers confirming the bug fix.
- **Outcome:** If the bug is not fixed correctly, it's reopened; otherwise, it proceeds to the next stage.



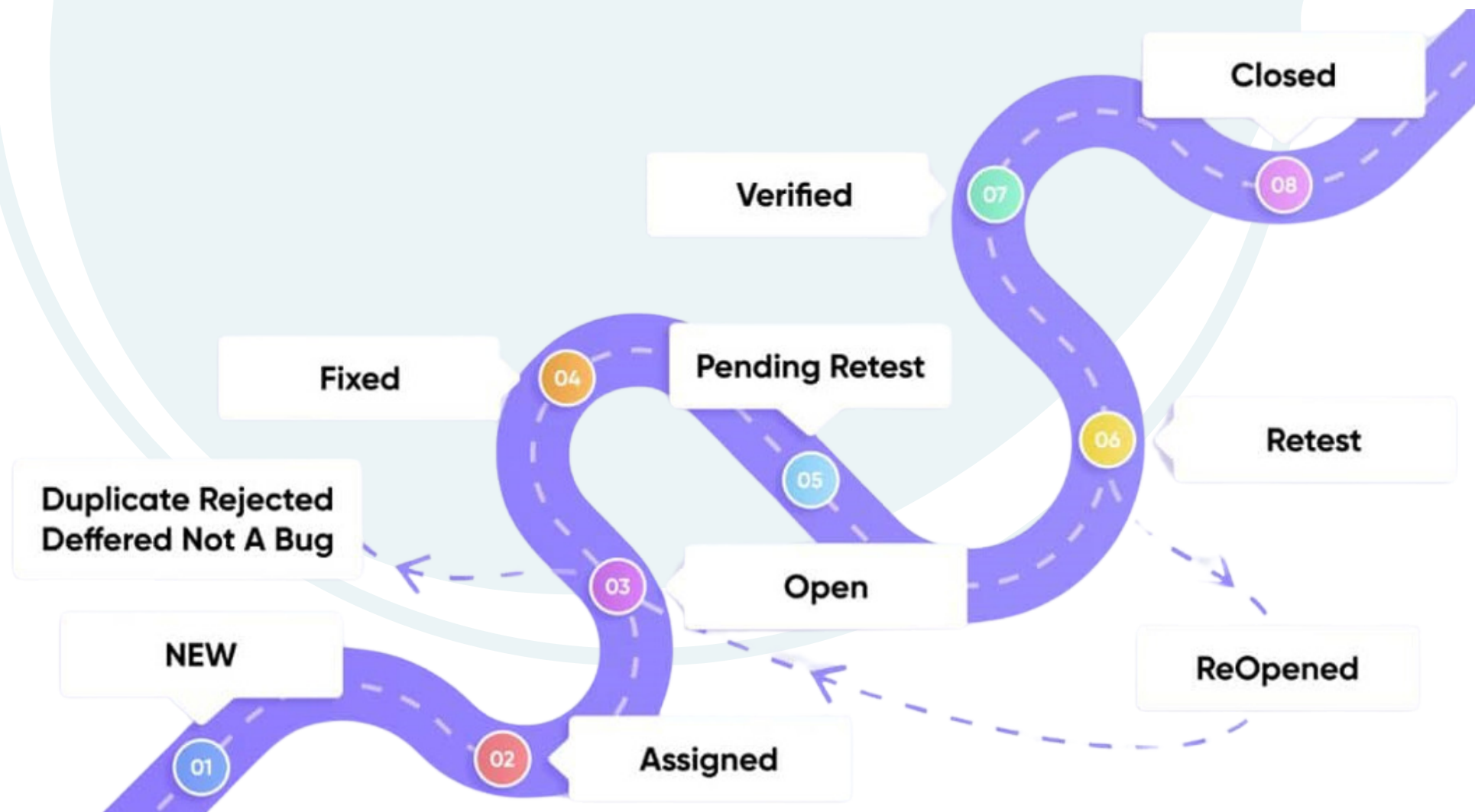
Bug Life Cycle

▼ Closed:

- **Definition:** In the "Closed" stage, the bug is successfully fixed and verified.
- **Status:** It is marked as "Closed" and removed from the active bug list.

▼ Reopened:

- **Definition:** A bug can be reopened if issues reappear or if the fix causes new problems.
- **Status:** It goes back to the "Assigned" or "Open" stage for reevaluation.



Bug Reporting

- ▼ **Definition:** Clear and detailed bug reports are essential for effective bug management.
- ▼ **Information:**
 - Steps to reproduce
 - Expected results
 - Actual results
 - Screenshots
 - Recordings



Bug Tracking

- ▼ **Definition:** Bug tracking tools (e.g., Jira, Bugzilla) play a crucial role in managing the bug life cycle.
- ▼ **Function:** These tools help teams track, prioritize, and communicate about bugs.



BONUS:

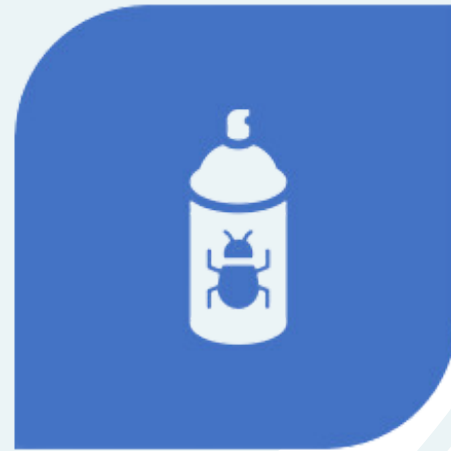
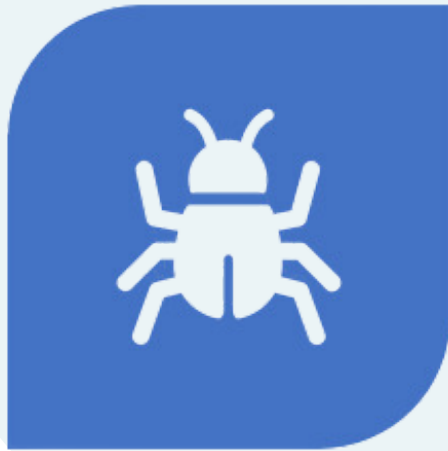
What is Severity and Priority?

▼ Severity:

- **Definition:** Impact of bug on the customer business workflow.

▼ Priority:

- **Definition:** How soon you want your developer to fix that bug and Importance given to the bug to fix it



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