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Bug Life Cycle

The bug life cycle describes the journey of a software defect from its initial discovery to its final closure. It ensures that every reported issue is tracked, verified, and resolved in a systematic way. The cycle typically follows these stages

A diagram of a bug

AI-generated content may be incorrect.

Stages of the Bug Life Cycle

1- New

When a tester identifies a defect, it is logged in the defect tracking system with details such as steps to reproduce, severity, and environment. The status is set to New.

2- Assigned

The project lead or manager reviews the bug and assigns it to a developer or team for resolution.

3 -Open

The assigned developer begins analysis and works on fixing the defect. The status changes to Open.

4 -Fixed

Once the developer has applied a code change or configuration fix, the status becomes Fixed.

5- Retest

The testing team retests the application to verify whether the fix resolves the defect.

6- Verified

If the bug no longer occurs during retesting, the tester marks it as Verified.

7- Closed

After successful verification, the defect is officially marked as Closed and requires no further action.



