# Defect Reopening

## 🔹 Definition

**# Source**: **Chatgpt (GPT-5-Standard) at [8/18/2025]**

**Defect Reopening** happens when a defect that was previously marked as **fixed / closed** is **found to still exist** or **reappears** during retesting, regression testing, or later usage.

It means the defect was **not actually resolved** or the **fix introduced new issues**.

## ⚙️ Causes of Defect Reopening

**# Source**: **Chatgpt (GPT-5-Standard) at [8/18/2025]**

1. **Fix not effective** – The developer’s fix didn’t solve the problem.
2. **Partial fix** – Only one scenario was fixed, but others still fail.
3. **Regression issues** – The fix caused side effects in other areas.
4. **Incorrect understanding** – Developer misunderstood the defect.
5. **Environment/config mismatch** – Works in dev but fails in test/production.

## **📝 Example**

**# Source**: **Chatgpt (GPT-5-Standard) at [8/18/2025]**

* **Defect:** “Login fails when using special characters in the password.”
* **Status:** Developer fixed it → QA retests → “Login works.” → Defect Closed.
* **Later Test:** QA finds login still fails with another special character (#).
* **Action:** Defect is **Reopened** and reassigned to the developer.

## **🔁 Defect Life Cycle with Reopening**

**# Source**: **Chatgpt (GPT-5-Standard) at [8/18/2025]**

* **New → Assigned → Fixed → Retested → Closed**
* If issue still exists → **Reopened → Assigned again → Fixed → Retested → Closed**

## 🎯 Purpose of Reopening

**# Source**: **Chatgpt (GPT-5-Standard) at [8/18/2025]**

* Ensures **quality control** by verifying issues are truly fixed.
* Prevents **false reporting** of project progress.
* Helps in tracking **recurring or improperly fixed issues**.

✅ In short:  
 **Defect Reopening = When a supposedly “fixed” defect reappears or still exists, requiring it to be sent back to development.**