# Defect Retesting

## 🔹 Definition

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

**Defect Retesting** is the process where **testers re-execute the test cases** that originally failed **after the developer has fixed the defect**, to confirm that:

1. The defect is truly resolved.
2. The functionality works as expected.

It is also called **Confirmation Testing** ✅.

## **⚙️ Steps in Defect Retesting**

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

1. **Get the Fixed Build**
   * Developers release a new build/version with the defect fix applied.
2. **Re-run the Failed Test Cases**
   * Tester executes the same test cases that had previously failed due to the defect.
   * Ensure the defect **does not reappear**.
3. **Validate the Fix**
   * Check if the defect is fully resolved and behaves correctly.
   * Confirm the expected result matches the actual result.
4. **Update Defect Status**
   * If fixed → mark as “**Verified/Closed**.”
   * If still failing → mark as “**Reopened**” and send back to developers.

## **📝 Example**

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

* **Defect Logged:** Login fails with valid credentials.
* **Developer Fixes:** Corrects the password hashing function.
* **Retesting:** Tester re-executes the login test with valid credentials → login successful.
* **Result:** Defect marked as **Closed**.

## **🎯 Purpose**

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

* To ensure the **specific defect has been resolved**.
* To **validate the developer’s fix**.
* To prevent **unfixed or reappearing bugs** from slipping into production.

## **🔑 Difference: Defect Retesting vs Regression Testing**

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

* **Defect Retesting** → Checks **only the fixed defect**.
* **Regression Testing** → Checks **other related areas** to ensure the fix didn’t break anything else.

✅ In short: **Defect Retesting = Tester re-checks the fixed defect to confirm it’s resolved.**