**Test Analysis Report (Sample for Your Project)**

Here’s a professional template for your **Amazon (TestNG\_package) Test Analysis Report**:

**Test Analysis Report**

**Project**: Amazon Automation (TestNG\_package)  
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**Date**: 19-Aug-2025

**1. Test Scope**

This testing effort validates Amazon India website functionalities including:

* User Login
* Product Search
* Add to Cart & Delete
* Profile Update (Name Change)
* Shop by Categories
* Product Title Verification
* Change Language
* Change Address

**2. Test Environment**

* **OS**: Windows 11
* **Browser**: Google Chrome v139
* **Automation Framework**: Selenium WebDriver + TestNG
* **Programming Language**: Java
* **Test Data**: Static inputs (e.g., 9704714559, nara1234, search items list)

**3. Test Execution Summary**

| **Test Case ID** | **Scenario Description** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- |
| TC\_01 | Login with valid credentials | User logged in successfully | As expected | Pass |
| TC\_02 | Search items (toys, mobile) | Results displayed for each keyword | As expected | Pass |
| TC\_03 | Add product & delete | Product added and removed successfully | As expected | Pass |
| TC\_04 | Change login name | Profile name updated | Locator issue (invalid className selector) | Fail |
| TC\_05 | Shop by categories | Category page opens | As expected | Pass |
| TC\_06 | Product discrimination | Product title displayed in console | As expected | Pass |
| TC\_07 | Change language | Language updated | Partial fail (selector mismatch sometimes) | Fail |
| TC\_08 | Change address | Address updated successfully | As expected | Pass |

**4. Defects/Issues**

* **Change Login Name**: Invalid By.className() used (contains multiple classes, needs cssSelector)
* **Change Language**: Dynamic XPath selector may break → use stable locators

**5. Test Metrics**

* **Total Test Cases**: 8
* **Passed**: 6
* **Failed**: 2
* **Pass Percentage**: 75%

**6. Conclusion**

Most core functionalities like login, search, cart, and address change work as expected. Some profile and localization features failed due to locator issues. Enhancing locator strategies and adding retry logic will improve test stability.