**Test Analysis Report – Tira Beauty Project**

**Project Name:** Tira Beauty E-commerce Web Application  
**Tested By:** QA Team  
**Date:** 21/08/2025  
**Test Lead:** Vaishali Sonanis

1. **Test Summary**

Total Test Cases Designed: 10

Total Test Cases Executed: 10

Passed: 9

Failed: 1

Blocked / Not Executed: 0

**2. Modules Covered**

* Login & Authentication
* Search & Filters
* Product Listing (“What’s New → New Trending”)
* Cart & Checkout
* Payment Gateway
* User Profile & Address Management
* Offers & Coupons

**3. Key Findings**

**Positive Scenarios Passed:**

* Valid login
* Search by product name
* Add to cart & checkout flow
* Apply coupon successfully
* Update user profile

**Negative Scenarios Failed:**

* Invalid login handling
* Sorting issue (Low to High / High to Low)
* Location change not refreshing availability
* Payment validation errors
* Search crash on special characters

**4. Defect Summary**

Critical Defects: 2 (Sorting, Location)

**5. Risk & Impact Analysis**

* **High Risk:** Sorting, location, and payment defects impact customer trust & business conversion.
* **Medium Risk:** Login defect poses security concerns.
* **Low Risk:** Search crash (special characters) is minor but affects user experience.

**6. Recommendations**

* Fix **critical bugs (Login & Payment validation)** on priority.
* Resolve **sorting & location update** issues before production release.
* Add **server-side validation** for login & payment inputs.
* Conduct **cross-browser & mobile responsive testing** after fixes.
* Run a **full regression cycle** before sign-off.

**7. Test Closure Criteria**

* All **Critical & Major defects resolved**.
* 100% **test case execution** achieved.
* Regression completed with **no high-severity open issues**.