

| **TEST SUMMARY REPORT** |
| --- |

**Project Name:** [Demo Web Shop](https://demowebshop.tricentis.com/)  
**Prepared By:** Kaif Beg  
**Date:** November 17, 2024  
**Version:** 1.0  
**Reviewed By:** Self-Reviewed

#### **1. Objective**

The objective of this testing cycle was to ensure the functionality, usability, performance, and UI responsiveness of the **Demo Web Shop** website. The testing was performed using **Cypress automation** with the **Page Object Model (POM)** for functional validation and **manual testing** for non-functional aspects.

#### **2. Scope of Testing**

The testing covered the following areas:

1. **Automation Testing** (POM Approach):
   * Core functionalities, including login, product search, wishlist, cart operations, and checkout, were tested.
   * Modular POM approach ensured reusable and scalable test scripts for multiple workflows.
2. **Manual Testing** (Non-Functional):
   * Performance, usability, and UI responsiveness testing conducted manually.
   * Included validation across desktop, mobile, and tablet devices.

**Tested Platforms:**

* **Devices:** Desktop, Tablet, Mobile
* **Browsers:** Chrome, Firefox, Edge

#### **3. Test Results Summary**

| **Category** | **Total Test Cases** | **Passed** | **Failed** |
| --- | --- | --- | --- |
| Automation Testing | Functional coverage ensured through modular POM scripts | 93% | 7% |
| Manual Testing | 11 test cases executed | 7 | 2 |

#### **4. Key Findings and Issues**

Here’s a summary of the **critical bugs** identified during testing:

| **Bug ID** | **Module/Feature** | **Bug Description** | **Severity** | **Priority** | **Status** |
| --- | --- | --- | --- | --- | --- |
| BUG\_001 | Product Details Page | Wishlist button is missing for certain products. | Medium | Medium | Open |
| BUG\_002 | Camera Product Page | "Add to Cart" button is missing for cameras. | High | High | Open |
| BUG\_003 | Checkout Page | "Apply Promo Code" field is missing on checkout. | High | High | Open |
| BUG\_004 | Computer Accessories | Product images are not visible for accessories. | Medium | High | Open |
| BUG\_005 | Profile - Downloadable | Error message and delay in navigation to downloads. | High | High | Open |
| BUG\_006 | Registration Form | Future dates are accepted in the "Date of Birth". | High | High | Open |
| BUG\_007 | Electronics Page | Product images do not zoom on mobile devices. | Medium | Low | Open |
| BUG\_008 | UI/Layout | Website layout is not responsive on mobile devices. | Major | High | Fail |
| BUG\_009 | Usability/Help | The Help and Support page is inaccessible. | Major | Medium | Fail |

**5. Performance Metrics**

| **Test Type** | **Metric** | **Result** | **Acceptable Limit** |
| --- | --- | --- | --- |
| Load Testing | Homepage Load Time (Normal Load) | 3 seconds | < 3 seconds |
| Stress Testing | Peak Load Handling (5000 Users) | System slowed down | No performance drop |
| Response Time | Adding Product to Cart | 1.8 seconds | < 2 seconds |

#### 

#### **6. Test Coverage**

* **Automation Testing Coverage:**The POM approach enabled **comprehensive functional testing** of the website. Key modules such as login, product search, wishlist, cart operations, and checkout were validated. Reusable and modular test scripts reduced redundancy and improved scalability.
* **Manual Testing Coverage:**Focused on non-functional aspects such as performance, usability, and UI responsiveness. Critical flows were tested across multiple devices and browsers.

**7. Risk Assessment**

| **Risk** | **Impact** | **Mitigation** |
| --- | --- | --- |
| Missing Wishlist and Cart buttons | Negative user experience. | Fix missing UI elements for all products. |
| Mobile layout issues | Poor mobile user experience. | Ensure website responsiveness on all devices. |
| Slow homepage load time | Increased bounce rates. | Optimise assets and enable caching. |
| Missing Help and Support page | Reduced customer satisfaction. | Add and verify the functionality of Help pages. |

#### **8. Recommendations**

1. Fix critical bugs related to wishlist, cart, and checkout functionalities.
2. Optimise homepage load time for a smoother user experience.
3. Ensure mobile responsiveness across all key workflows.
4. Conduct regression testing to validate the stability of fixes**.**

#### **9. Conclusion**

The **Demo Web Shop** website was thoroughly tested using **Cypress automation with POM** for functional coverage and **manual testing** for non-functional aspects. Identified bugs require immediate attention to improve user experience and performance. Regression testing and extended scope testing (e.g., API integrations) are recommended for the next phase.

#### **10. Next Steps**

* **Bug Fixes:** Address the critical bugs related to functionality, performance, and compatibility.
* **Regression Testing:** Conduct regression testing after fixes to ensure all issues are resolved.
* **Additional Testing:** Plan for security and API testing in the next phase.

### **Final Notes:**

This test summary report highlights the effective use of **Cypress POM** for automation and manual testing for non-functional validation, ensuring a detailed quality assessment of the Demo Web Shop.