

**Test Plan – BugShark E-Shop**

**Project Overview**

* **Project Name:** BugShark E-Shop
* **Prepared By:** Ayush Bisht
* **Application Under Test:** <https://demowebshop.tricentis.com>

**Objective**

To perform **functional**, **UI**, and **cross-browser testing** of an e-commerce website.

**Scope**

* Test login, product search, add-to-cart, and checkout functionalities
* Verify UI and element alignment
* Cross-browser compatibility on Chrome & Firefox

**Out of Scope**

* Backend/API testing
* Payment gateway testing

**Types of Testing**

* Functional Testing
* UI Testing
* Cross-browser Testing
* Regression Testing (via Automation)

**Test Strategy**

* **Manual Testing:** Covers end-to-end user flows including login, search, cart, and checkout.
* **Automation Scripts:** Python + Selenium for high-priority regression cases (login, add-to-cart).
* **UI Validation:** Visual inspection on Chrome and Firefox.

**Test Environment**

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| --- | --- |
| Component | Details |
| OS | Windows 10 |
| Browsers | Chrome 125+, Firefox 118+ |
| Python | 3.11 |
| IDE | Visual Studio Code |
| Selenium | 4.17.2 |

**Tools Used**

* **Manual Testing:** MS Excel, MS Word, Chrome, Firefox
* **Automation:** Python, Selenium WebDriver
* **IDE:** Visual Studio Code

**Entry Criteria**

* Access to the website
* Valid test credentials

**Exit Criteria**

* All major functionalities tested
* Critical bugs reported

**Test Schedule**

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| --- | --- |
| Day | Activity |
| Day 1 | Requirement analysis, test plan creation |
| Day 2 | Test case design and test data preparation |
| Days 3–4 | Test execution, bug logging, automation script writing |
| Day 5 | Final reporting and submission |

**Deliverables**

* Test Plan
* Test Cases
* Bug Report
* Test Data
* Screenshots
* Automation Script

**Risks & Mitigation**

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| --- | --- |
| Risk | Mitigation |
| Application downtime during testing | Retry failed scenarios after environment stabilizes |
| Test data inconsistency | Use dummy data and a safe test environment |

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