



DEMO WEB SHOP

Sample Application By Tricentis

HACKATON TEAM : TEST TURTLES

TEST PLAN

1. Test Scope:

The following functionalities of the Demo Web Shop will be covered:

- **Authentication:** Registration, login, logout, and password recovery.
- **Product Browsing:** Category navigation, filtering, product details.
- **Shopping Cart:** Add/remove/update items, view cart.
- **Wishlist:** Add/remove/view items.
- **Checkout Process:** Billing, shipping, payment methods, order confirmation.

- **Search Functionality:** Search with keywords, filters, and categories.
- **User Profile Management:** Viewing and updating profile, viewing order history.
- Newsletter Subscription
- Contact Us Form
- Responsive UI Testing

2. Roles & Responsibilities

Role	Responsibility
Test Manager	Define test strategy, resource planning, overall coordination
QA Engineer	Design test cases, automate test scripts, execute tests, log defects
Developer	Fix defects, provide clarification to QA
Product Owner	Approve test cases, define acceptance criteria
Support	Manage test environments and deployment of builds

3. Test Environments

Environment Type	Description
Staging	Used for test execution. Replica of production with mock data.
Production	Final live environment. Used for smoke or sanity testing only.
Local Dev	Developers' local setup. Not used for formal QA testing.

Test Data Considerations

- User accounts with different roles (registered, guest)
- Valid/invalid product SKUs
- Valid/invalid payment and shipping addresses
- Edge-case inputs for form fields

4. Tools Used

Purpose	Tool
Test Management	TestRail / Zephyr / Xray (or Google Sheets)
Test Automation	Selenium, Cypress, or Playwright
Bug Tracking	Jira / Azure DevOps

CI/CD	GitHub Actions / Jenkins
Browser Testing	Chrome, Firefox, Edge
Reporting	Allure Reports / Extent Reports

5. Risk Assessment

Data Inconsistency: Use sanitized test data to avoid corruption.

- **Browser Compatibility Issues:** Test across multiple browsers to ensure consistency.
- **Third-Party Integrations:** Regularly check the integration points, especially payment gateways.
- **Time Constraints:** Prioritize critical test cases to ensure core functionality is covered.

CONCLUSION

This test planning document provides a structured approach to ensure the quality and reliability of the Demo Web Shop website during the hackathon. The Test Turtles team will follow this plan to achieve comprehensive testing coverage.

