**Test Plan Document**

**1. Purpose**

To define the detailed approach to functional and non-functional testing for Demo Web Shop.

**2. Test Items**

* Registration and Login
* Shopping and Navigation
* Product Search and Filtering
* Shopping Cart
* Checkout and Payment
* Order History
* Wishlist
* Newsletter and Polls
* Admin and Reporting Sections (if available)

**3. Features to be Tested**

* Functional User Flows
* Integration points
* Security controls
* UI responsiveness
* Compatibility (different browsers/devices)

**4. Features Not to be Tested**

* Deprecated modules
* Experimental/Beta features not for release

**5. Testing Approach**

**Agile:**

* Testing is integrated into each sprint.
* Test cases/user stories picked & refined in sprint planning.
* Exploratory and regression tests run within sprints.
* Automation scripts developed alongside features.
* Continuous feedback and bug reporting/ad-hoc test runs.

**Waterfall:**

* All requirements documented prior to test phase.
* Test cases prepared after requirement reviews.
* Sequential execution: Unit → Integration → System → UAT.
* Major regression cycle near release phase.

**6. Test Deliverables**

* Test Strategy and Test Plan documents
* Test Cases/Test Scripts
* Test Execution Reports/Defect Logs
* Automation Reports
* Final Test Summary/Sign-off

**7. Schedule (Sample)**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Agile (per sprint)** | **Waterfall (example)** |
| Planning | Day 1 | Week 1 |
| Test Preparation | Days 1–2 | Weeks 2–3 |
| Test Execution | Days 3–9 | Weeks 4–6 |
| Bug Reporting & Retest | Ongoing | Weeks 5–6 |
| Final Reporting | Day 10 | Week 7 |

**8. Roles & Responsibilities**

* QA Lead: Overall test responsibility
* Testers: Execute, automate, log defects
* Developers: Unit tests, defect fixes
* Product Owner: Acceptance criteria review
* DevOps: Maintain environments, CI/CD

**9. Resources & Tools**

* Test Management: JIRA, TestRail
* Automation: Selenium, Cypress
* Performance: JMeter
* Security: OWASP ZAP

**10. Risks & Contingency Planning**

As per Test Strategy.

**Sample User Stories & Test Scenarios (Agile)**

**User Story:** As a user, I want to register and log in so I can shop online.

* Scenario 1: Register with valid inputs
* Scenario 2: Register with invalid/missing fields
* Scenario 3: Login with correct/incorrect credentials
* Scenario 4: Password reset

**These documents should be reviewed and updated as the project evolves, and can be expanded with detailed test cases or modularized for specific teams/module coverage as needed.**

1. [https://demowebshop.tricentis.com](https://demowebshop.tricentis.com/)