**Test Strategy Document**

**Project Name:** Demo Web Shop Website Testing  
**Sprint:** Sprint 1  
**Testing Type:** Agile-Based Web Application Testing

**1. Objective**

To validate the critical functionalities of the Demo Web Shop application such as:

* User Login & Logout
* Navigation buttons (e.g., Home, Register, Login, Cart)
* Product listing & filtering
* Cart operations (Add, Remove, Checkout)

**2. Scope of Testing**

**In Scope:**

* Functional testing of login, cart, product list.
* UI testing of clickable buttons and responsive design.
* Regression testing in each sprint.
* Browser compatibility testing (Chrome, Firefox, Edge).

**Out of Scope:**

* Load testing
* Mobile application testing

**3. Test Types**

* **Smoke Testing** – To ensure basic application stability.
* **Functional Testing** – To validate each functionality like login, product listing, etc.
* **Regression Testing** – Re-testing functionalities after every sprint or bug fix.
* **API Testing** – If APIs are used for login/cart (Postman or automated scripts).
* **UI Testing** – Validating UI elements, colors, font, alignment.
* **Cross-browser Testing** – Ensuring compatibility on multiple browsers.

**4. Test Tools**

| **Purpose** | **Tool** |
| --- | --- |
| Test Case Management | Excel / TestLink / JIRA |
| Bug Tracking | JIRA |
| API Testing | Postman |
| Automation (if any) | Selenium / Cypress |

**5. Test Environment**

* **QA Server**: Internal staging server for testing
* **Browsers**: Chrome (latest), Firefox, Edge
* **OS**: Windows 10 / 11

**6. Test Deliverables**

* Test Plan Document
* Test Cases / Scenarios
* Bug Reports
* Daily Status Reports
* Sprint Retrospective Bug Summary
* Test Summary Report at sprint end

**7. Risk & Mitigation**

| **Risk** | **Mitigation** |
| --- | --- |
| Last-minute changes | Close collaboration with Dev team & regular standups |
| Test environment issues | Keep backup servers, regular health checks |
| Incomplete requirements | Frequent grooming sessions with stakeholders |

**8. Roles & Responsibilities**

| **Role** | **Responsibility** |
| --- | --- |
| QA Engineer | Write and execute test cases |
| QA Lead | Review cases, report status |
| Developer | Fix defects |
| Scrum Master | Track progress, clear blockers |

**9. Entry and Exit Criteria**

* **Entry Criteria**
  + Build deployed on QA server
  + All requirements for the sprint are finalized
  + Test data is ready
* **Exit Criteria**
  + All test cases executed
  + No Critical/High bugs open
  + Test summary report reviewed and accepted

**10. Communication Plan**

* **Daily Standup**: 10:00 AM IST
* **Sprint Review Meeting**: Last day of sprint
* **Test Report Sharing**: End of each day (via JIRA/Email)