

Test Plan for Qafox.com E-commerce Website

Website URL: <https://tutorialsninja.com/demo>

1. Introduction

This document outlines the test plan for the eCommerce website **Qafox** (<https://tutorialsninja.com/demo>).

The goal is to ensure the website is functionally complete, user-friendly, reliable, and compatible across devices and browsers.

The website supports functionalities such as:

- Product browsing and search
- Add to cart and checkout
- User registration and login
- Wishlist and product comparison
- Order confirmation

2. Objective / Purpose

- To verify all core functionalities: registration, login, product search, cart, and checkout.
- To ensure the site is user-friendly and intuitive to navigate.
- To validate compatibility across devices and browsers.
- To detect and report bugs or functional issues.
- To validate both valid and invalid user input scenarios.
- To ensure a secure and smooth shopping experience.

3. Scope of Testing

In-Scope:

- Homepage (banner, featured products, navigation)
- User registration, login, logout, and password recovery
- Product search & category navigation
- Product details page (name, image, price, availability)
- Cart management (add/remove/update)
- Checkout flow (billing, shipping, confirmation)
- Wishlist and product comparison
- Responsive design (mobile, tablet, desktop)
- Browser compatibility (Chrome, Firefox, Edge, Safari)
- Error handling (invalid inputs, empty forms)

Out-of-Scope:

- Backend database validation
- Payment gateway integration (demo limitation)
- Security testing (e.g., SQL Injection, XSS)
- Performance/load testing
- Backend logs and monitoring

4. Test Types

1. **Functional Testing** – Core features
2. **UI/UX Testing** – Layout, design, readability
3. **Cross-Browser Testing** – Chrome, Firefox, Edge, Safari
4. **Responsive Testing** – Mobile, tablet, desktop
5. **Negative Testing** – Invalid credentials, empty forms, excess quantity
6. **Usability Testing** – Ease of navigation for new users
7. **Smoke Testing** – Basic functionality after deployment
8. **Sanity Testing** – Verifying specific bug fixes
9. **Regression Testing** – Ensuring recent changes didn't break existing features

5. Test Items

- Home page
- Login / Registration
- Product Search & Filters
- Product Details
- Shopping Cart
- Checkout Page
- Wishlist & Product Comparison
- Contact Us page
- Order Management
- User Profile
- Responsive UI
- Error pages (404, 500, etc.)

6. Features to be Tested

- All UI elements and input forms
- Field validations (email, phone, quantity, etc.)
- Functional flows (search → add to cart → checkout)
- Navigation links
- Alerts and error messages

7. Features Not to Be Tested

- Internal database structure
- Backend logging & monitoring
- 3rd-party system integrations

8. Entry Criteria

- Website is accessible and functional.
- Functional modules like login, search, cart, and checkout are working.
- Testers have required devices and browsers.
- Testing tools (Excel, screenshot tools, etc.) are ready.
- Test plan and scenarios are reviewed and approved.

9. Exit Criteria

- All test scenarios are executed.
- All critical and high-priority test cases passed.
- No major or showstopper bugs remain unresolved.
- All bugs are logged and shared with details.
- Regression testing completed post bug fixes.
- Test summary report is prepared.
- Website is stable under normal usage.

10. Test Deliverables

- Test Scenarios Document
- Test Cases Document
- Bug Reports
- Test Summary Report
- Test Execution Report
- Screenshots (for failed test cases)

11. Testing Techniques

- Black Box Testing
- Boundary Value Analysis
- Equivalence Partitioning
- Exploratory Testing

12. Test Environment

- **Browsers:** Chrome, Firefox, Edge, Safari
- **Devices:** Desktop, Mobile, Tablet
- **OS:** Windows, Android, iOS
- **Tools:** Excel, TestLink, Jira, Screenshot Tools

13. Schedule / Timeline

- **Start Date:** 16 July 2025
- **End Date:** 21 July 2025

14. Risks & Mitigation

Risk	Mitigation
Demo website is down	Wait and retry; inform mentor/supervisor
No backend access	Limit to frontend testing; mention in report
Static test data	Test using available data only
Website changes without notice	Recheck UI; update test cases accordingly
Browser issues	Log browser-specific bugs
No real email/payment	Mark such cases as "Not Applicable (Demo)"
Test failures due to data limits	Note "Demo Data Limitation" in report
Build delivery delayed	Communicate with dev team
Unstable environment	Use staging environment
Requirement changes	Track via change request log