

Test Plan Document

For

PrestaShop Demo Website Testing

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Test Plan

Introduction

This document outlines the test plan for performing both manual and automated testing on the PrestaShop demo website. The primary goal is to validate the functionality, usability, and stability of the e-commerce platform through structured testing processes using manual approaches and Selenium automation tools.

Scope

Inclusions

Customer-side (Front Office) features including:

- Product search, browsing, filtering
- Cart, checkout, and payment simulation
- User registration, login, and account management

Admin-side (Back Office) features including:

- Product and inventory management
- Order processing and status updates
- Customer account control and marketing tools

Exclusions

- Real payment gateway integration
- Third-party API integrations
- Long-term database checks (demo resets periodically)

Testing Objectives

- Validate key functionalities of both Front and Back Offices.
- Identify bugs or unexpected behaviors in user workflows.

- Ensure cross-browser compatibility for Chrome and Firefox.
- Develop and execute 15–20 automation test scripts using Selenium.
- Measure the system's responsiveness and handle error messages properly.

Test Environment Setup

- **URL:** <https://demo.prestashop.com/#/en/front>
- **Browsers:** Google Chrome, Mozilla Firefox
- **OS:** Windows 10 / Ubuntu 20.04
- **Automation Language:** Python (or Java)
- **IDE:** VS Code / IntelliJ / Eclipse
- **Framework:** Selenium WebDriver + PyTest/TestNG
- **Version Control:** GitHub

Tools & Technologies Used

Category	Tools/Technologies
Test Automation	Selenium WebDriver
Test Runner	PyTest / TestNG
Reporting	Console / HTML Reports
Version Control	Git / GitHub
IDE	VS Code
Manual Testing	Excel / Google Sheets

Test Types

- **Functional Testing:** Validate core features like login, cart, checkout, etc.
- **UI Testing:** Ensure proper layout, design, responsiveness, and accessibility.
- **Regression Testing:** Ensure new changes don't break existing features.
- **Smoke Testing:** Basic test of the major functionalities before in-depth testing.
- **Cross-browser Testing:** Run tests on multiple browsers.
- **Automation Testing:** Use Selenium to automate critical test cases.

Entry & Exit Criteria

Entry Criteria:

- Website is accessible on test browsers.
- Test environment is set up.
- Manual test cases are reviewed and approved.

Exit Criteria:

- All high-priority test cases are executed.
- Major bugs are reported and resolved.
- Automation scripts are running successfully without failure.
- Execution report is prepared and submitted.

Assumptions and Risks

Assumptions

- Demo environment remains available and stable during the testing cycle.
- No real transactions or sensitive data is required for testing.
- All team members contribute as per assigned roles.

Risks

- Limited access to the backend database for deep validation.
- Site reset due to session expiry or daily demo refresh.
- Website changes or breaks due to PrestaShop demo updates.

Team Roles and Responsibilities

Role	Member Name	Responsibilities
Test Lead	Syed Abdul Rehman (K21-3156)	Oversees the entire testing process, allocates tasks, ensures timelines are met.
Automation Engineer	Asadullah Wagan (K21-4824)	Develops Selenium scripts, manages framework setup, and automation reports.
Manual Tester	Rana Wahaj Ahmed (K21-3281)	Designs and executes manual test cases, documents results and observations.
Bug & Execution Reporter	Syed Hadi Raza (K21-3420)	Maintains execution logs, prepares bug reports, validates fixes.
Documentation Lead	Wara Batool (K21-3214)	Compiles the test plan, organizes test cases, prepares final reports and documents.

Test Schedule (Tentative Timeline)

Week	Activities
1	Requirement Analysis, Test Plan Creation, Manual Test Cases
2	Manual Execution, Bug Reporting, Begin Automation Scripts
3	Complete Automation Scripts, Generate Reports, Final Review