

Test Plan

practicesoftwaretesting.com

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Introduction

- This test plan aims to outline the strategy and approach for automating the testing of **Practice Software Testing**.

- Automated tests will be developed and executed to validate the functionality, usability, and performance of key features of the site.
- Website: <https://practicesoftwaretesting.com/>

Objective

- Ensure all links are navigated and all features work properly.
- Ensure the functionality of (User Registration, Sign in, Search Bar, Filters, Add to Cart, Add to favorites, Checkout, etc.).
- To verify that the layout, fonts, images, and other UI components adjust correctly to different browsers and devices.

Scope

This test plan covers both **manual and automated testing** for verifying:

- **Functional Testing:** To validate that the website's key features and functionalities work as intended.

- **Non-Functional Testing:** To evaluate the website's performance, security, usability, and compatibility with various devices and browsers.
- **Exploratory Testing:** To identify potential issues, usability flaws, or unexpected behaviors through unscripted, interactive website exploration.

Features to be Tested

- User Registration and Sign-in

Customer registration

First name

Last name

Date of Birth *

Address

Postcode City

State Country

Phone

Email address

Password


Your password must:

- Be at least 8 characters long
- Contain both uppercase and lowercase letters
- Include at least one number
- Have at least one special symbol (e.g., @, #, \$, etc.)

Password strength: Weak Moderate Strong Very Strong Excellent

Register

Login

 Sign in with Google

or use

Email address *

Password *

Login

Not yet an account? [Register your account](#)

[Forgot your Password?](#)

- Search Bar

● Filters

▼ Filters

By category:

- ☐ Hand Tools
 - ☐ Hammer
 - ☐ Hand Saw
 - ☐ Wrench
 - ☐ Screwdriver
 - ☐ Pliers
 - ☐ Chisels
 - ☐ Measures

- ☐ Power Tools
 - ☐ Grinder
 - ☐ Sander
 - ☐ Saw
 - ☐ Drill

- ☐ Other
 - ☐ Tool Belts
 - ☐ Storage Solutions
 - ☐ Workbench
 - ☐ Safety Gear
 - ☐ Fasteners

By brand:

- ☐ ForgeFlex Tools
- ☐ MightyCraft Hardware

● Add to Cart & add to favorites

 Add to cart

 Add to favourites

● Checkout

1

CART

2

SIGN IN

3

BILLING ADDRESS

4

PAYMENT

Proceed to checkout

● Product Categories

Home Categories ▼ Contact Sign in

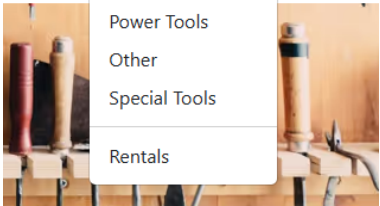
Hand Tools

Power Tools

Other

Special Tools

Rentals



- Profile Management

My account

Here you can manage your profile, favorites and orders.

★	Favorites
👤	Profile
📄	Invoices
💬	Messages

Testing Approach

Manual Testing: Manual testing will be used for exploratory, usability, and UI testing. It is essential for testing complex scenarios that require human judgment and interaction.

Automated Testing: Automated testing will focus on tasks such as **functional testing**, and **performance testing** to ensure consistency and speed across different test cycles.

Roles

As the only person working on the testing process, I will assume the responsibilities typically held by a **Test Manager** or **Test Lead**, along with being the **Tester**, **Test Designer**, and **Test Automation Engineer**.

My tasks will include:

- Write a comprehensive test plan that outlines the features to be tested, resources, tools, timelines, and the overall approach.
- Based on the project requirements, design detailed test cases that will validate the functionality and non-functionality of the website.
- write test scripts to automate repetitive test cases (such as login, form submission, etc.).
- Execute manual test cases for usability, exploratory, and edge case scenarios.
- Record the results of each test, document any issues found, and ensure thorough testing across all aspects (functional, UI, security, etc.).
- Upon completion, prepare a summary report detailing the testing conducted, outcomes, defects, and readiness for release.

Test Schedule

Task	Duration
Mind Map & Test Plan	17-Dec-24
Test Cases	18-Dec-24
Test Script & Execution	18-Dec-24
Bug Report	19-Dec-24
Test Summary Report	19-Dec-24

Test Deliverables

Deliverable	Description
Test Plan	Detailed testing strategy, objective, and scope.
Manual Test Cases	A detailed set of test cases that describe the conditions, steps, and expected results for testing the application.
Test Script & Execution	Automated scripts written to test the application's functionality, performance, and other requirements using Selenium.
Bug Report	A report containing details about the defects or bugs found during testing.
Test Summary Report	A final summary report that captures all testing activities, results, and key insights.

Entry and Exit Criteria

Entry Criteria:

- Access to the Practice Software Testing Website.
- The test Plan must be reviewed.

Exit Criteria:

- All functional, and non-functional testing must be completed according to the test plan.
- Critical and high-priority defects must be resolved and verified. Any open defects should be documented with a plan for resolution.
- All test artifacts, including test cases, test execution reports, and defect reports, should be completed.
- The test summary report should be reviewed and signed off by stakeholders, indicating that the software is ready for release.

Tools

- Selenium
- TestNG
- Google Sheet
- Google Docs
- CrossBrowserTesting

Risk and Mitigation Plans

1. Requirements - Undefined or unclear requirements
2. Timeline - Insufficient time for comprehensive testing

Approvals

Approving Stakeholder	Masai
Date of Approval	17-Dec-24