

**masai**

# Test Plan

---

**Project Name:-** Tool Shop Demo

**Project Link Url:-** <https://practicesoftwaretesting.com/>

---



---

**Prepared By:-**Shubham Yetonde

**Start Date:-** December 17, 2024

---

---

## Table of contents

---

- ❖ Introduction
- ❖ Objective
- ❖ Scope
- ❖ Testable Feature
- ❖ Role/Responsibilities
- ❖ Test Schedule
- ❖ Test Deliverable
- ❖ Entry & Exit Criteria
- ❖ Test Environment
- ❖ Risk & Mitigation Plan
- ❖ Approval

---

## Introduction

---

This test plan aims to define the testing strategy, scope, objectives, resources, and schedule for testing the [Practice Software Testing](#) website. The goal is to ensure the platform meets functional, performance, usability, and security requirements.

Website link: <https://practicesoftwaretesting.com/>

---

## Objective

---

The key objectives of the test plan are:

1. Validate the functional correctness of the website.
  2. Verify that all features (e.g., user registration, login, test simulations) work as intended.
  3. Test non-functional aspects like usability, performance, and compatibility.
  4. Identify and report defects to ensure the website is bug-free.
  5. Confirm that the website meets business and user requirements.
  6. Validate the website on multiple browsers, devices, and operating systems
- 

## Scope

---

### **In-Scope:**

- Functional Testing (e.g., User Registration, Login, Navigation).
- UI/UX Testing (e.g., layout, design consistency).
- Cross-Browser and Cross-Device Testing.
- Performance Testing (e.g., response time, load testing).
- Security Testing (e.g., authentication, user data protection).
- Regression Testing.

### **Out-of-Scope:**

- Third-party tools or integrations not controlled by the development team.
- Database-level testing (unless explicitly requested).

---

## **Testable Feature**

---

**The following modules/features will be tested:**

- 1. Home Page and Navigation**
- 2. User Registration and Login**
- 3. Test Simulation Functionality**
- 4. Profile Management**
- 5. Test Reports and Analytics**
- 6. Contact Forms and Feedback Submission**
- 7. Error Handling and Messages**

---

## **Test Deliverables**

---

- 1. Test Scenarios**
- 2. Test Cases**
- 3. Test Data**
- 4. Defect Reports**
- 5. Test Execution Report**
- 6. Final Test Summary Report**
- 7. Mind Map**

---

# Test Environment

---

- 1. **Operating Systems:** Windows 10, macOS, Android, iOS
- 2. **Browsers:** Chrome, Firefox, Edge, Safari
- 3. **Devices:** Desktop, Mobile, Tablet
- 4. **Tools:** Selenium/Cypress (Automation), JMeter (Performance Testing), Postman (API Testing).

---

# Roles and Responsibilities

---

Role	Responsibility
Test Lead	Plan, monitor, and control testing.
Test Engineer	Design and execute test cases.
Automation Engineer	Develop and execute automated tests.
Developers	Fix defects and provide support.

---

## Testing Schedule

---

Activity	Start Date	End Date
Test Planning	[17/12/2024]	[17/12/2024]
Test Case Design	[18/12/2024]	[18/12/2024]
Test Execution	[18/12/2024]	[18/12/2024]
Defect Reporting	[19/12/2024]	[19/12/2024]
Final Test Report	[20/12/2024]	[20/12/2024]

---

## Entry and Exit Criteria

---

### Entry Criteria:

1. Requirements are finalized and approved.
2. The test environment is set up and stable.
3. Test cases are reviewed and approved.

### Exit Criteria:

1. All planned test cases are executed.
2. All critical defects are fixed and retested.
3. Test Summary Report is prepared and shared.

---

## Risk Analysis and Mitigation

---

Risk	Impact	Mitigation Plan
Unstable Test Environment	Delayed testing	Monitor and stabilize the environment
Resource Unavailability	Missed deadlines	Assign backup resources
Changing Requirements	Scope creep	Implement a change control process

---

## Approvals

---

Masai will send different types of documents for Client Approval like below:

1. Test Plan
2. Scenarios
3. Scripts

#### **4. Reports**

Testing will only continue to the next steps once these approvals are done.