

|  |
| --- |
| **Test Plan On The Tool Shop Demo**  **Project Name :** [**Practice Software Testing**](https://practicesoftwaretesting.com/)  **URL Link : <https://practicesoftwaretesting.com/>** |

|  |
| --- |
| https://tse3.mm.bing.net/th?id=OIP.xVRQaWQukPrijAYH6jQrfQHaBv&pid=Api&P=0&h=180  DEMO |

|  |
| --- |
| **Prepared By:** **Alok Mishra**  **Start Date : December 17, 2024**  **End Date : December 17, 2024** |

|  |
| --- |
| Table of Content : |

* Introduction
* Objective
* Scope
* Testable Feature
* Role/Responsibilities
* Test Schedule
* Test Deliverable
* Entry & Exit Criteria
* Tools
* Risk & Mitigation Plan
* Approval

|  |
| --- |
| Introduction |

The purpose of this test plan is to define the testing strategy, scope, objectives, resources, and schedule for testing the [Practice Software Testing](https://practicesoftwaretesting.com/) 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** |

* Test Scenarios
* Test Cases
* Test Data
* Defect Reports
* Test Execution Report
* Final Test Summary Report

|  |
| --- |
| **Test Environment** |

* **Operating Systems:** Windows 10, macOS, Android, iOS
* **Browsers:** Chrome, Firefox, Edge, Safari
* **Devices:** Desktop, Mobile, Tablet
* **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. 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 environment |
| Resource Unavailability | Missed deadlines | Assign backup resources |
| Changing Requirements | Scope creep | Implement change control process |

|  |
| --- |
| Approvals |

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

* **Test Plan**
* **Scenarios**
* **Scripts**
* **Reports**

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