TEST PLAN

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1.Introduction

This test plan outlines the 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.

2.Objective

❖ The objective of this test plan is to:

1.Validate that all functionalities of the website work as intended.

2.Ensure the website is user-friendly and accessible.

3.Identify and document any defects or areas of improvement.

3.Testing scope

● In Scope:

1.Testing all available features on the website, including login, registration, navigation, and content display.

2.Cross-browser and cross-device compatibility testing.

3.Performance testing under normal load conditions.

● Out of Scope

1.Testing backend APIs not exposed through the UI.

2.Load testing under extreme conditions.

4.Testable features

- Registration
- Login
- Logout
- Categories
- Filter
- Sorts
- Search
- Contact

5.Testing Approaches

Testing Types

Functional Testing:
- **Verify that all features function correctly according to specifications.**

Usability Testing:
- **Assess the user interface and user experience for intuitiveness and ease of use.**

Performance Testing:
- **Measure page load times and responsiveness.**

Testing Environment:

1.Google Chrome (latest version)
2.Mozilla Firefox (latest version)
3.Microsoft Edge (latest version)

Operating System: Window 10

6.Role / Responsibility:

Name	Role	Responsibility
Priyanka	**Tester**	• **Understand customer requirements** • **Write Test cases & test scenario** • **Executing the test cases** • **Performing root causes and analysis issues** • **Defect tracking and reporting**

7.Test Schedule

Following is the test schedule planned for the project:

Task	Time Duration
Test plan creation	9 April 2025
Test scenario creation	10 April 2025
Test case creation	10 April 2025
Test execution	11 April 2025
Summary Report Submission	12 April 2025

8. Test Deliverable

Deliverables	Description	Responsible owner	Completion Date
Test plan	Outlines the testing approach, strategies, and scope for the web application	Masai School	9 April 2025
Test cases	Test Cases created for functional testing ,usability compatibility testing	Masai School	10 April 2025
Defect Report	Detailed description of the defects identified in different versions of application	Masai School	12 April 2025

9.Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

Requirement Analysis

- ❖ Entry Criteria: Test testing team receives the Requirement documents and uses documents for the project , including details on the "Registration Page" feature.
  The documents specify what functions need to be tested and how the software should behave.

❖ Exit Criteria:The testing team thoroughly explores and understands each requirement listed in the documents. Any doubts or uncertainties regarding the requirements are addressed   and clarified , ensuring the team has a clear understanding of what needs to be tested and how it should behave.

Test Planning

❖ Entry Criteria: Testable requirements are derived from the given Requirements documents. The Test plan document , which includes the test strategy , provides a high level overview of how testing will be conducted.

❖ Exit Criteria: The test plan is reviewed and signed off by the client.

Test Designing

❖ Entry Criteria: The test plan document is reviewed and approved by the client. The test plan document is signed off by the client.
❖ Exit Criteria :.The test scenarios and test cases documents are prepared. The test plan documents are reviewed and signed off by the client.

Test Execution

❖ Entry Criteria: Test Scenarios and test cases documents are reviewed and approved by the client. The documents are signed off by the client. The application is ready for further testing.
❖ Exit Criteria: Test case reports and bug reports are prepared.

Closure

❖ Entry Criteria: Test case Report and Bug reports are ready.
❖ Exit Criteria : Test Summary Reports are prepared, Providing an overview of the entire testing process.

10.Tools

- **MS Word**
- **MS Excel**
- **Visual Studio**
- **Cypress**
- **Mind Map**

11. Risk and Mitigation

Risk	Mitigation
Limited access to certain features or data.	**Use available demo accounts or request necessary access.**
Unavailability of testing tools.	**Utilize open-source alternatives.**

12. Approval

❖ Project Manager Approval : Approve test plan and schedule.

❖ QA Lead Approval : Approve test cases and strategy

❖ Development Team Approval : Confirm test environment readiness

❖ Client Approval : Sign-off on test plan and schedule