Test Plan





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1. **Introduction**  
   This test plan outlines the approach for manually testing the GlobalSQA website to verify its functionality, usability, compatibility, and performance. The focus is to ensure that the website performs as per requirements with minimal issues, providing users with an optimal experience.

**AUT:-https://www.globalsqa.com/**

1. **Objectives**

* Verify that all demo tools, forms, and features function correctly.
* Ensure all elements meet usability standards.
* Validate compatibility across multiple browsers and devices.
* Confirm website navigation and link accuracy.
* Identify and address any security vulnerabilities.

**3. Scope**

* Functional Testing: Verification of all available functionalities.
* UI/UX Testing: Checking the visual components.
* Usability Testing: Ensure user-friendly interface and navigation.
* Compatibility Testing: Browser and device compatibility.

Exclusions: Performance testing, stress testing, or any non-functional aspects that require automation.

**4. Testable Features**

* Navigation menu, page links, internal and external links.
* Demo testing tools like drag-and-drop, calculators, and dialog boxes.
* Contact forms and submission processes.
* User interface elements like buttons, dropdowns, and menus.
* Content verification (including error messages, and validation messages).

**5. Testing Approach**

* **Manual Testing:** Use exploratory testing and predefined test cases to cover all functional, UI, and usability aspects.
* **Test Environments:** Desktop browsers (Chrome, Firefox, Edge, Safari) and mobile browsers.
* **Test Execution:** Test cases will be executed manually using different environments to ensure complete coverage.

6. Roles/Responsibilities

| Roles | NAME | Responsibilities |
| --- | --- | --- |
| Test Manager | [PRIKISHIT BHARDWAJ] | 1. Define the test plan. 2. Manage resources. 3. Ensure timelines. |
| Test Lead | [PRIKISHIT BHARDWAJ] | 1. Develop test plans 2. assign tasks 3. monitor risks 4. review results |
| Testing Engineer | [PRIKISHIT BHARDWAJ] | 1. Write and execute test cases 2. defect tracking 3. Log defects and retest after fixes. |

**7. Test Schedule**

| Test Planning | 01/10/2024 |
| --- | --- |
| Test Scenario Creation | 02/10/2024 |
| Test Environment Setup | 02/10/2024 |
| Test Execution Reporting | 03/10/2024 |
| Defect Reporting | 06/10/2024 |
| Final Reporting | 06/10/2024 |

**8. Test Deliverables**

| Documents | Description | Completion Date |
| --- | --- | --- |
| Test Plan Document | Comprehensive plan for the testing activities. | 01/10/2024 |
| Test Scenario | Creating test Scenarios for test cases and underlying similar test cases under one test scenario | 01/10/2024 |
| Test Cases | We have detailed test cases including step-by-step procedures. | 05/10/2024 |
| Bug Reports | Detailed defect reports for each issue discovered. | 06/10/2024 |
| Test Summary Report | Overview of testing, including findings, coverage, and defect statistics. | 06/10/2024 |

**9. Entry and Exit Criteria**

**Requirement Analysis**

* **Entry Criteria**: Requirements documents received.
* **Exit Criteria**: Requirements were understood, and all doubts were clarified.

**Test Planning**

* **Entry Criteria:** Testable Requirements derived.
* **Exit Criteria:** Test Plan signed off by the Client.

**Test Designing**

* **Entry Criteria:** Approved Test Plan.
* **Exit Criteria:** Test Scenarios and Test Cases prepared and signed off.

**Test Execution**

* **Entry Criteria:** Approved Test Scenarios and Test Cases.
* **Exit Criteria:** Test Case Reports, and Defect Reports ready.

**Test Closure**

* **Entry Criteria:** All necessary reports are prepared.
* **Exit Criteria:** Test Summary Reports completed.

**10. Tools**

* **Test Case Management:** Microsoft Excel or Google Sheets for test case tracking.
* **Bug Tracking:** JIRA to log and track issues found during testing.
* **Test reports:** Word and Excel sheets are used to make comprehensive reports.
* **Mind map:** The Miro Mind Map tool is used to overview testable features.

**11. Risks and Mitigation Plans**

| **Risks** | **Mitigation** |
| --- | --- |
| Lack of Automation Testers | Backup Resource Planning |
| Limited availability of test environments for all devices. | Prioritize common environments first, and use BrowserStack for remote testing. |
| Potential scope creep if more functionality is added to the website during testing. | Regular review meetings with stakeholders to lock down the testing scope. |
| Tight deadlines lead to insufficient test coverage. | Focus on high-risk areas first, and conduct risk-based testing. |

**12. Test Case Design**

* Create test cases covering all functional features of the GlobalSQA website.
* Each test case should contain:
  + Test scenario ID: a unique identifier
  + Test Case ID: A unique identifier.
  + Test Case Description: A brief title describing what is being tested.
  + Test Case Type: different types of testing (ex:-functional testing)
  + Preconditions: Conditions to be satisfied before executing the test.
  + Steps: Step-by-step process to execute the test.
  + Test Data: data used or filled during testing.
  + Expected Result: The desired outcome for the test.
  + Actual Result: Result after execution (to be filled during execution).
  + Status: Pass/Fail status of the test.

**13. Test Execution**

* Execute each test case manually and record results.
* Log bugs in an Excel sheet or Google sheet with the following details:
  + **Bug ID**
  + **Title**
  + **Description**
  + **Expected Result**
  + **Actual Result**
  + **Severity and Priority**
  + **Status**

**14. Test Summary Report**  
 The test summary report will include:

* **Test Cases Executed:** Number of test cases executed and their results.
* **Defects:** Details about open, closed, and deferred defects.
* **Conclusion:** There are outstanding issues on whether the website is ready for deployment.

**15. Sign-Off**

* Obtain a sign-off from stakeholders once all tests are executed and issues are addressed.
* Ensure that no high or medium-severity issues are open.