**Test Plan for AB Testing Websites**

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**1. Objective**

This document outlines the test plan for the OrangeHRM and OrangeCRM applications. The objective is to ensure that all features and functionalities work as expected for the target audience, HR administrators and CRM users.

**2. Scope**

The scope of this test plan includes:

* **Features to be tested:** Login functionality, UI responsiveness, JavaScript dependency, and basic navigation.
* **Types of testing:** Manual testing, automated testing, performance testing, and accessibility testing.
* **Environments:** Different browsers, operating systems, and device types.
* **Evaluation criteria:** Number of defects found, time taken to complete testing, and user satisfaction ratings.
* **Team roles and responsibilities:** Test lead, testers, developers.

**3. Inclusions**

* **Introduction:** Overview of the test plan, including purpose, scope, and goals.
* **Test Objectives:** Identifying defects, improving user experience, achieving a certain level of performance.

**4. Exclusions**

List any features or components that are out of scope for this test plan, such as advanced administrative settings or third-party integrations.

**5. Test Environments**

* **Operating Systems:** Windows 10, macOS, Linux.
* **Browsers:** Google Chrome, Mozilla Firefox, Microsoft Edge.
* **Devices:** Desktop computers, laptops, tablets, smartphones.
* **Network Connectivity:** Wi-Fi, cellular, wired connections.
* **Hardware/Software Requirements:** Modern processor, 4GB RAM, 10GB storage.
* **Security Protocols:** Passwords.
* **Access Permissions:** Roles for testers, developers, stakeholders.

**6. Defect Reporting Procedure**

* **Criteria for identifying defects:** Deviation from requirements, user experience issues, technical errors.
* **Steps for reporting defects:** Using a designated template, providing detailed reproduction steps, attaching screenshots.
* **Triage and prioritization:** Assigning severity and priority levels, assigning defects to appropriate team members.
* **Tracking tools:** JIRA Bug Tracking Tool.
* **Roles and responsibilities:** Testers, developers, test lead.
* **Communication channels:** Daily status emails to stakeholders.
* **Metrics:** Number of defects found, time taken to resolve, percentage of defects fixed.

**7. Test Strategy**

* **Step 1: Test scenarios and test cases creation:** Techniques: Equivalence Class Partition, Boundary Value Analysis, Use Case Testing.
* **Step 2: Testing procedure:** Smoke Testing to check critical functionalities, In-depth Testing using test cases, simultaneous testing on multiple environments, logging bugs in JIRA.
* **Types of Testing:** Smoke Testing, Sanity Testing, Regression Testing, Usability Testing, Functionality & UI Testing.
* **Step 3: Best Practices:** Context Driven Testing, Shift Left Testing, End to End Flow Testing.

**8. Test Schedule**

* **Tasks and Time Duration:** Creating test plan (2 days), test case creation (3 days), test case execution (5 days), summary reports submission (1 day).
* **Dates:** October 10-12, 2025 (test plan and case creation), October 13-17, 2025 (execution), October 18, 2025 (reports).

**9. Test Deliverables**

* **Entry and Exit Criteria:** For each phase of the Software Testing Life Cycle (STLC).

**10. Entry and Exit Criteria**

* **Requirement Analysis:** Entry: Receiving Requirements Documents. Exit: Understanding requirements.
* **Test Execution:** Entry: Signed-off Test Scenarios and Test Cases, Application ready. Exit: Test Case Reports, Defect Reports.
* **Test Closure:** Entry: Test Case Reports, Defect Reports. Exit: Test Summary Reports.

**11. Tools**

* **List of Tools:** JIRA Bug Tracking Tool, Snipping Screenshot Tool, Word and Excel documents.

**12. Risks and Mitigations**

* **Possible Risks:** Non-Availability of a Resource, Build URL not working, Less time for Testing.
* **Mitigations:** Backup Resource Planning, working on other tasks, dynamic resource allocation.

**13. Approvals**

* **Documents for Client Approval:** Test Plan, Test Scenarios, Test Cases, Reports.