# **Test Plan for AB Testing Website App.vwo.com**

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## **1. Objective**

This document outlines the test plan for the AB Testing website application, App.vwo.com. The objective is to ensure that all features and functionalities work as expected for the target audience, which includes marketing professionals, UX designers, and website owners looking to optimize their website performance through A/B testing.

## **2. Scope**

The scope of this test plan includes:

* **Features to be tested:** User interface, test creation and management, reporting and analytics, integration with other tools, user account management, and customer support features.
* **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, and project managers.

## **3. Inclusions**

* **Introduction:** Overview of the test plan, including purpose, scope, and goals.
* **Test Objectives:** Specific objectives such as identifying defects, improving user experience, or achieving a certain level of performance.

## **4. Exclusions**

* Any features or components that are not directly related to A/B testing capabilities, such as unrelated third-party integrations or legacy features that are being deprecated.

## **5. Test Environments**

* **Operating Systems:** Windows 10, macOS, Linux, etc.
* **Browsers:** Google Chrome, Mozilla Firefox, Microsoft Edge, Safari, etc.
* **Devices:** Desktop computers, laptops, tablets, smartphones, etc.
* **Network Connectivity:** Wi-Fi, cellular, wired connections.
* **Hardware/Software Requirements:** Specific processor, memory, storage capacity, etc.
* **Security Protocols:** Passwords, tokens, certificates.
* **Access Permissions:** Roles for team members such as 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 or logs.
* **Triage and prioritization:** Assigning severity and priority levels, assigning defects to appropriate team members.
* **Tracking tools:** Defect tracking software or project management tool.
* **Roles and responsibilities:** Testers, developers, test lead, etc.
* **Communication channels:** Updating stakeholders on progress and status of defects.
* **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, Decision Table Testing, State Transition Testing, Use Case Testing.
* **Additional methods:** Error Guessing, Exploratory Testing.

### **Step 2: Testing procedure**

* **Smoke Testing:** To check critical functionalities.
* **In-depth Testing:** Using created test cases after stable build passes Smoke Testing.
* **Multiple environments:** Simultaneous testing on multiple supported environments.
* **Defect Reporting:** Logging bugs in the tracking tool, daily status emails.
* **Types of Testing:** Smoke Testing, Sanity Testing, Regression Testing, Retesting, Usability Testing, Functionality & UI Testing.

### **Step 3: Best Practices**

* **Context Driven Testing:** Testing as per the application's context.
* **Shift Left Testing:** Early testing from the development stages.
* **Exploratory Testing:** Apart from normal test case execution.
* **End to End Flow Testing:** Simulating end user flows.

## **8. Test Schedule**

* **Tasks and Time Duration:** Creating test plan, test case creation, test case execution, summary reports submission.
* **Dates:** Specify the timeline for each task.

## **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 and clarifying requirements.
* **Test Execution:**
  + **Entry:** Signed-off Test Scenarios and Test Cases, Application ready for testing.
  + **Exit:** Test Case Reports, Defect Reports ready.
* **Test Closure:**
  + **Entry:** Test Case Reports, Defect Reports ready.
  + **Exit:** Test Summary Reports.

## **11. Tools**

* **List of Tools:** JIRA Bug Tracking Tool, Mind map 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, ramping up resources dynamically.

## **13. Approvals**

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