**Test Plan (VWO.com)**  
**Created by Ashish Sharma**

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| **Version** | **Date** | **Author** | **Description of Change** |
| V00.01 | 04/03/2025 | Ashish Sharma | Draft V1.0 |

**1. Objective**

This document outlines the Test Plan for the VWO application, focusing on A/B testing and measuring its impact across different metrics. The objective is to validate functionalities, user experience, and performance.

Key functionalities covered:

* A/B test execution and measurement
* Metrics tracking (leading, lagging, and guardrail)

**Technology Stack:**

* React 18.2.0
* jQuery 2.1.1
* JavaScript
* Database: PostgreSQL
* Web Server: Apache (suggested), Nginx

**2. Scope**

The test plan includes the following:

* **Functional Testing:** User interface, login, dashboard, test execution, and reporting.
* **Non-Functional Testing:** Performance, usability, and accessibility.
* **Test Environments:** Various browsers, operating systems, and devices.
* **Success Criteria:** Defect identification, resolution time, and user satisfaction.
* **Team Roles:** Test lead, testers, developers.
* **Schedule & Milestones:** Start and end dates, key deliverables.
* **Tools & Equipment:** Testing software, documentation templates.

**3. Inclusions**

* **Login Page**
* **Dashboard**
* **Create Account**

**Exclusions:**

1. Support Page
2. Support Widget (ZOHO Chat)

**4. Test Environments**

Testing will be conducted across the following environments:

|  |  |
| --- | --- |
| **Environment** | **URL** |
| QA | qa.vwo.com |
| Pre-Prod | preprod.vwo.com |
| UAT | uat.vwo.com |
| Prod | app.vwo.com |

**Supported Platforms:**

* **Windows 10:** Chrome, Firefox, Edge
* **Mac OS:** Safari
* **Android:** Chrome
* **iPhone:** Safari

**5. Defect Reporting Procedure**

* **Criteria:** Functional deviations, UI issues, and performance errors.
* **Reporting:** Standardized defect template with steps, screenshots, and logs.
* **Tracking:** JIRA for logging and tracking.
* **Responsibilities:** Testers, developers, test lead.
* **Communication:** Daily defect updates.
* **Metrics:** Defect count, resolution time, fix success rate.

**Defect Process:**

* **New Issues:** Assigned to respective teams (Frontend, Backend, DevOps).
* **POC:** Ashish.

**6. Test Strategy**

**Step 1: Test Case Creation**

* **Techniques Used:**
  + Equivalence Partitioning
  + Boundary Value Analysis
  + Decision Table Testing
  + State Transition Testing
  + Use Case Testing
  + Error Guessing
  + Exploratory Testing

**Step 2: Test Execution**

* **Smoke Testing:** Initial verification.
* **Regression & Retesting:** Ensuring stability across builds.
* **UI & Functional Testing:** Validating core features.
* **End-to-End Testing:** Simulating real user flows.

**Step 3: Best Practices**

* **Context-Driven Testing**
* **Shift Left Testing**
* **Exploratory Testing**
* **Comprehensive Scenario Testing**

**7. Test Schedule**

**Planned Timeline:** 2 sprints for test execution.

**Tasks:**

* **Test Plan Creation**
* **Test Case Writing**
* **Test Execution**
* **Summary Report Submission**

**8. Test Deliverables**

* Test Cases & Scenarios
* Defect Reports
* Test Execution Reports
* Summary Reports

**9. Entry and Exit Criteria**

**Requirement Analysis**

* **Entry:** Receipt of requirement documents.
* **Exit:** Requirements understood and doubts resolved.

**Test Execution**

* **Entry:** Signed-off test scenarios, stable application build.
* **Exit:** Test execution completed, defect reports generated.

**Test Closure**

* **Entry:** All test reports prepared.
* **Exit:** Final summary report approved.

**10. Tools**

* **JIRA** - Defect tracking
* **Mind Map Tool** - Test case design
* **Snipping Tool** - Screenshots
* **Word & Excel** - Documentation

**11. Risks and Mitigations**

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| --- | --- |
| Risk | Mitigation |
| Resource Unavailability | Backup resource planning |
| Build Issues | Alternative tasks assigned |
| Time Constraints | Dynamic resource allocation |

**12. Approvals**

Approval is required for:

* Test Plan
* Test Scenarios
* Test Cases
* Final Test Reports

Testing will proceed only upon approval from relevant stakeholders.