

1. Objective

This document outlines the Test Plan for the VWO application, which allows users to conduct A/B testing and measure the impact of their experiments. The primary goals are:

- Importing and aggregating all essential metrics.
- Tracking both leading and lagging indicators.
- Monitoring guardrail metrics to prevent unsuccessful experiments.

Technology Stack:

- React 18.2.0
- jQuery 2.1.1
- JavaScript
- PostgreSQL Database
- Apache/Nginx Web Server

2. Scope

The testing scope includes:

- Functional testing of UI elements, checkout processes, search functionality, and mobile compatibility.
- Manual, automated, performance, and accessibility testing.
- Cross-browser, cross-platform, and multi-device testing.
- Evaluation metrics: defect count, testing duration, and user satisfaction.
- Roles: Test Lead, Testers, and Developers.
- Milestones: start and end dates, scheduled testing activities.
- Tools: testing software, hardware, and documentation templates.

3. Inclusions

- **Test Objectives:** Identify and resolve defects, enhance user experience, and meet performance benchmarks.
- **Functional Areas Covered:**
 - Login
 - Dashboard Page

- Account Creation

4. Exclusions

- Support Page
- ZOHO Chat Support Widget

5. Test Environments

Environments & URLs:

- QA: qa.vwo.com
- Pre-Prod: preprod.vwo.com
- UAT: uat.vwo.com
- Production: app.vwo.com

Tested Platforms:

- Windows 10: Chrome, Firefox, Edge
- macOS: Safari
- Android: Chrome
- iOS: Safari

6. Defect Reporting Procedure

- **Defect Identification Criteria:** Deviation from requirements, UX issues, technical errors.
- **Reporting Steps:** Use designated templates, detailed reproduction steps, screenshots/logs.
- **Defect Triage:** Assign severity and priority levels.
- **Tracking Tools:** JIRA
- **Roles:**
 - Frontend POC: Devesh
 - Backend POC: Sonal
 - DevOps POC: Prajeeth

7. Test Strategy

1. Test Case Development:

- Equivalence Partitioning
 - Boundary Value Analysis
 - Decision Table Testing
 - State Transition Testing
 - Use Case Testing
 - Error Guessing & Exploratory Testing
2. **Testing Phases:**
- Smoke Testing: Ensures critical functionalities work.
 - Functional Testing: Detailed verification based on test cases.
 - Regression Testing: Ensures bug fixes do not impact existing features.
 - UI & Usability Testing
 - End-to-End Scenario Testing
3. **Best Practices:**
- Context-Driven Testing
 - Shift-Left Testing
 - Exploratory Testing
 - End-to-End Flow Testing

8. Test Schedule

Planned Tasks & Duration:

- Test Plan Creation
- Test Case Development
- Test Execution
- Summary Reports Submission

Testing Duration: Two sprints

9. Test Deliverables

- Test Cases
- Defect Reports
- Test Summary Reports

10. Entry and Exit Criteria

Requirement Analysis:

- **Entry:** Testing team receives requirement documents.

- **Exit:** Requirements understood, doubts resolved.

Test Execution:

- **Entry:** Test cases approved, application ready.
- **Exit:** Test execution complete, reports prepared.

Test Closure:

- **Entry:** Defect and test case reports completed.
- **Exit:** Test Summary Reports finalized.

11. Tools

- JIRA (Bug Tracking)
- Mind Map Tool
- Snipping Tool (Screenshots)
- Word/Excel (Documentation)

12. Risks and Mitigations

Risk	Mitigation
Non-availability of resources	Backup resource planning
Build URL issues	Reallocate resources
Time constraints	Dynamic resource ramp-up

13. Approvals

- Test Plan
- Test Scenarios
- Test Cases
- Test Reports

Testing proceeds to the next phase only after necessary approvals are received.