**Test Plan for VWO.com**

## **1. Test Plan**

This document outlines the test strategy, scope, objectives, test execution process, and deliverables for testing VWO.com.

## **2. Objective**

The objective of this test plan is to ensure that VWO.com meets all functional, performance, security, and usability requirements before deployment. The goal is to identify and resolve defects, ensuring a seamless user experience.

## **3. Scope**

This test plan covers all aspects of testing, including:

* Functional Testing
* Performance Testing
* Security Testing
* Usability Testing
* Compatibility Testing
* Regression Testing

## **4. Inclusions**

The following functionalities will be tested:

* User authentication and authorization
* A/B Testing and Multivariate Testing
* Heatmaps and Session Recordings
* Form Analytics
* Visual Editor and Code Editor
* Reports and Data Analysis
* Integrations with third-party tools

## **5. Test Environments**

Testing will be conducted across different environments:

* **Development Environment** – Initial testing by developers.
* **QA Environment** – Dedicated for functional, regression, and performance testing.
* **Staging Environment** – Final validation before production deployment.
* **Production Environment** – Smoke testing post-release.

## **6. Defect Reporting Procedure**

* All defects will be logged in the defect tracking tool (e.g., Jira, Bugzilla).
* Defects will be categorized based on severity and priority.
* The QA team will track and verify defect fixes before closure.

## **7. Test Strategy**

### **7.1 Functional Testing**

* Verify core functionalities and business logic.
* Ensure correct UI interactions and validations.

### **7.2 Performance Testing**

* Load and stress testing to assess system scalability.
* Response time measurement under peak load conditions.

### **7.3 Security Testing**

* Check for SQL injection, XSS, and CSRF vulnerabilities.
* Validate secure data transmission and storage.

### **7.4 Usability Testing**

* Assess user experience and ease of navigation.

### **7.5 Compatibility Testing**

* Test across different browsers (Chrome, Firefox, Safari, Edge).
* Validate mobile responsiveness.

### **7.6 Regression Testing**

* Re-test previously tested functionalities to ensure stability after new changes.

## **8. Test Schedule**

* Test planning: 1 week
* Test case design: 2 weeks
* Test execution: 4 weeks
* Defect fixing and re-testing: 3 weeks
* Final validation and sign-off: 1 week

## **9. Test Deliverables**

* Test Plan document
* Test Cases and Test Scripts
* Defect Reports
* Test Summary Report
* Sign-off document

## **10. Entry and Exit Criteria**

### **Entry Criteria:**

* Test environment setup is complete.
* Test cases are reviewed and approved.
* Application build is stable.

### **Exit Criteria:**

* All critical and high-priority defects are fixed and closed.
* Test summary report is reviewed and signed off.
* No major outstanding defects.

## **11. Test Execution**

### **Entry Criteria:**

* Test data is prepared.
* Required test tools are configured.

### **Exit Criteria:**

* Test cases executed with expected results.
* Defects are reported, fixed, and retested.

## **12. Test Closure**

### **Entry Criteria:**

* All planned test cases are executed.
* All major defects are closed.

### **Exit Criteria:**

* Test summary report is finalized.
* Test artifacts are archived.

## **13. Tools**

* **Test Management:** Jira, TestRail
* **Automation:** Selenium, Cypress
* **Performance Testing:** JMeter
* **Security Testing:** OWASP ZAP

## **14. Risks and Mitigations**

| **Risk** | **Mitigation Strategy** |
| --- | --- |
| Unstable test environment | Regular monitoring and backup setups |
| Inadequate test coverage | Review test cases and ensure full coverage |
| Delayed bug fixes | Prioritize critical issues and track closely |
| Cross-browser issues | Conduct early compatibility testing |

## **15. Approvals**

* QA Lead: **Krishna Vamshi**
* Project Manager:
* Development Lead: