**Test Plan for VWO.com**

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**1. Objective**

In this document of the Test Plan for the VWO application:

* A/B test anything and measure its impact everywhere.
* Import and aggregate all metrics you care about and measure how they get impacted by your experiments.
* Track both leading and lagging indicators for your experiment's impact.
* Keep an eye on guardrail metrics to stop bad experiments early on.

**Technologies used:**

* React 18.2.0
* jQuery 2.1.1
* JavaScript
* Database Postgres SQL
* Web Server (Apache suggested)
* Nginx

**2. Scope**

The features and functionality of VWO.com that will be tested:

* User Interface
* Checkout Process
* Search Functionality
* Mobile Compatibility

**Types of testing to be performed:**

* Manual Testing
* Automated Testing
* Performance Testing
* Accessibility Testing

**Testing environments:**

* Different browsers (Google Chrome, Mozilla Firefox, Microsoft Edge)
* Operating systems (Windows 10, macOS, Linux)
* Device types (desktops, laptops, tablets, smartphones)

**Evaluation criteria:**

* Number of defects found
* Time taken to complete testing
* User satisfaction ratings

**Team roles and responsibilities:**

* Test Lead
* Testers
* Developers

**3. Test Environments**

* Operating systems: Windows 10, macOS, Linux
* Browsers: Google Chrome, Mozilla Firefox, Microsoft Edge
* Device types: Desktop computers, laptops, tablets, smartphones
* Network connectivity: Wi-Fi, cellular, wired connections
* Hardware and software requirements
* Security protocols and authentication methods
* Access permissions and roles for team members

**Environment URLs:**

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

**Device compatibility:**

* Windows 10 – Chrome, Firefox, and Edge
* Mac OS – Safari Browser
* Android Mobile OS – Chrome
* iPhone Mobile OS - Safari

**4. Defect Reporting Procedure**

**Criteria for identifying defects:**

* Deviation from requirements
* User experience issues
* Technical errors

**Steps for reporting defects:**

* Use a designated template
* Provide detailed reproduction steps
* Attach screenshots or logs

**Defect reporting process:**

* Triage and prioritize defects
* Assign severity and priority levels
* Assign defects to appropriate team members

**Tools and systems:**

* Defect tracking software (e.g., JIRA)
* Project management tool

**Team roles:**

* Testers
* Developers
* Test Lead

**Defect Process Points of Contact:**

* Frontend: Devesh
* Backend: Sonal
* Dev Ops: Prajeeth

**5. Test Strategy**

* **Create test scenarios and test cases using:**
  + Equivalence Class Partition
  + Boundary Value Analysis
  + Decision Table Testing
  + State Transition Testing
  + Use Case Testing
  + Error Guessing
  + Exploratory Testing
* Prioritize test cases.
* Conduct smoke testing for critical functionalities.
* Perform in-depth testing using test cases on stable builds.
* Report bugs in bug tracking tool and send daily status emails.

**Types of testing performed:**

* Smoke Testing and Sanity Testing
* Regression Testing and Retesting
* Usability Testing, Functionality & UI Testing

**Best practices:**

* Context Driven Testing
* Shift