

# Test Plan Document

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## Project Details

- **Project Name:** Visual Website Optimizer (VWO) – Web Application
  - **Test Plan Title:** End-to-End Test Plan for Login and Dashboard Modules
  - **Tested Modules:** Login Page, Dashboard Page
  - **Prepared By:** Juhi Danak
  - **Date:** 02/05/2024
  - **Application URL:** <https://app.vwo.com>
  - **Test Environment:** QA / Staging / Pre-Production
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## 1. Objective

The purpose of this test plan is to define the strategy, approach, resources, schedule, and scope for testing the **Login** and **Dashboard** modules of the VWO web application. It aims to validate the stability, usability, functionality, and security of these modules before production release.

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## 2. Scope

### In Scope

- Functional and UI testing of the Login screen
- Authentication flow validations
- Negative and boundary input testing
- Dashboard UI component validation
- Navigation and session behavior after login
- Basic responsive behavior checks (desktop and tablet)

### Out of Scope

- Signup and Forgot Password flows
- Advanced dashboard analytics modules (e.g., A/B Test setup)
- Mobile browser testing

- Performance and load testing
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### **3. Features to be Tested**

#### **Login Page**

- Username/email and password input validations
- Successful login with valid credentials
- Error messages for incorrect credentials
- UI elements: email field, password field, login button, “Show password” toggle
- Redirection post-login
- Session cookie creation and expiration
- Security checks: input sanitization, no plain-text passwords

#### **Dashboard Page**

- Presence and correctness of UI components (e.g., menu bar, experiment stats, graphs)
  - Visibility of user-specific data after login
  - Navigation to other modules via the sidebar/top menu
  - Display of alerts, notifications, and user messages
  - Logout and session termination behavior
  - Responsiveness and layout rendering
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### **4. Features Not to Be Tested**

- Email verification and two-factor authentication
  - Real-time metrics sync or tracking accuracy
  - Third-party integrations
  - Admin console or super-admin functionalities
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### **5. Entry & Exit Criteria**

#### **Entry Criteria**

- Build is deployed in the QA environment
- Login and dashboard modules are complete and stable
- Required credentials are provided

- Test environment is accessible

## Exit Criteria

- All high and critical severity bugs are closed
  - Regression testing is completed
  - All planned test cases are executed with a pass rate of  $\geq 95\%$
  - Stakeholder sign-off on the module quality
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## 6. Testing Strategy

### Testing Types

Type	Description
Functional Testing	Verify all functionalities of login and dashboard
UI Testing	Layout, alignment, and consistency across browsers
Negative Testing	Input validation, error handling
Cross-Browser Testing	Chrome, Firefox, Safari, Edge
Session Testing	Session timeout, invalid session behavior
Security Testing (Basic)	Input sanitization, restricted area access without login

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## 7. Test Environment

Component	Details
Front-End	Web-based, React (Assumed)
Backend	Cloud-hosted (Assumed Node/PHP-based APIs)
Test URL	<a href="https://app.vwo.com">https://app.vwo.com</a> (Staging/QA URL)
Browsers	Chrome (latest), Firefox, Safari, Edge
OS Platforms	Windows 11, macOS Ventura

Test Data	Valid and invalid login credentials
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## 8. Roles & Responsibilities

Role	Responsibility
QA Lead	Test plan creation, execution oversight
QA Engineers	Test case writing, execution, bug logging
Dev Team	Fix reported bugs
Product Owner	Acceptance and feedback

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## 9. Deliverables

- Test Plan Document
  - Detailed Test Case Suite (Login & Dashboard)
  - Defect Report / Bug Log
  - Test Execution Report / Daily Status
  - Final Test Summary Report
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## 10. Risk Assessment & Mitigation

Risk	Impact	Mitigation Strategy
UI changes during testing	High	Align regularly with dev/design teams
Test environment instability	Medium	Use local/staging backups
Incomplete/unclear requirements	High	Frequent sync-ups with product team
Delay in receiving credentials	Medium	Follow-up and prepare with test user scripts

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## 11. Sample Test Scenarios

### Login Page

Test Case ID	Description	Expected Result
TC_LOGIN_01	Login with valid credentials	Redirected to dashboard
TC_LOGIN_02	Login with invalid password	Error message displayed
TC_LOGIN_03	Blank email and password	Validation errors shown
TC_LOGIN_04	Password visibility toggle	Password shows/hides correctly
TC_LOGIN_05	Pressing Enter submits login	Should function as clicking login
TC_LOGIN_06	Cross-site scripting in inputs	Input sanitized; no script runs

### Dashboard Page

Test Case ID	Description	Expected Result
TC_DASH_01	UI loads with all widgets	All components visible and positioned correctly
TC_DASH_02	Experiment stats populated	Metrics and numbers loaded correctly
TC_DASH_03	Navigation to A/B Test page	Navigation successful
TC_DASH_04	Logout redirects to login	Session ends and login screen loads
TC_DASH_05	Unauthorized dashboard access (without login)	Redirect to login page

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## 12. Tools & Platforms

Purpose	Tool Used
Test Case Mgmt	Google Sheets / TestRail / Zephyr
Bug Tracking	Jira / Bugzilla

Automation (optional)	Selenium / Cypress (for future)
Browser Testing	BrowserStack / Local
Documentation	Confluence / Notion / Google Docs

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## 13. Approval

Name	Designation	Signature	Date
QA Lead			
Product Owner			
Project Manager			