Test plan Document

Name of project : app.vwo.com login/registration page

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Test plan structure :

1. Test plan ID
2. Introduction
3. Scope
4. Test objectives
5. Test approach and strategies
6. Test environment
7. Test criteria
8. Test deliverables
9. Risk Analysis
10. Conclusion

Test plan ID : TP-2025-001

Introduction :
VWO is a **conversion rate optimization platform** that enables A/B testing, personalization, and behavioral analytics. The login page is a **critical entry point** for users, requiring robust validation to prevent unauthorized access and ensure a smooth authentication flow. The purpose of this test plan is to validate the functionality, security, and usability of the **VWO Login Page** to ensure a seamless user authentication experience.

Scope :
- **IN Scope :**

  User Authentication:
- Valid login with correct credentials.
- Invalid login attempts (wrong username/password).
- Login with email and password.
- "Forgot Password" functionality.
  UI/UX Validation:
- Proper alignment and visibility of login elements (input fields, buttons, labels).
- Error messages for incorrect inputs.
- Responsiveness across devices (mobile, tablet, desktop).
  Session Management:
- Automatic logout after session timeout.

- Handling of multiple logins from different devices.

Out-of-Scope (Not Covered in This Test Plan):

1. Admin and Dashboard Functionalities (Testing is limited to the login page only).
2. Third-Party Integrations (e.g., Google SSO, if not part of standard login).
3. Backend Database Testing (Direct database validation is excluded).
4. Load Testing Beyond Standard User Volume (Performance tests will focus on normal load conditions).

Test objectives :

What Needs to Be Validated?
- Ensure that users can **log in successfully** with valid credentials.
- Verify **proper error handling** for invalid login attempts.
- Validate the **"Forgot Password" functionality** to ensure users can reset their passwords securely.
- Confirm that the **UI elements** (input fields, buttons, error messages) are correctly displayed and function as expected.
- Ensure **session management** works correctly, including logout and session expiration.

Test approach and strategies :

Functional Testing: Verify that valid login credentials grant access to the account.

Negative Testing: Ensure invalid credentials show error messages.

Security Testing: Test for login-related vulnerabilities.

Cross-browser Testing: Check functionality on different browsers (Chrome, Firefox, Edge, Safari).

Responsiveness Testing: Ensure the login page adapts to various screen sizes and devices (desktop, mobile, tablet).

Test environment :

Test Environment:

- Test on different OS platforms: Windows, MacOS, and Linux.

Test criteria :

Entry criteria: test environment are finalized , test cases are ready .

Exit criteria: all test cases executed , no high severity depends remain open , test summary report prepared .

Test deliverables :

Test plan

Test case documentation

Test data

Test summary report

Defect report .

Conclusion :

In conclusion, the testing of the VWO login page will ensure its functionality, security, and user experience are aligned with the desired standards, providing a seamless, secure, and intuitive login process for users across all devices and platforms.