**Test Plan: VWO Application – Authentication Modules**

**1. Project Overview**

This test plan outlines the manual testing strategy for the **VWO application**'s authentication flows, including:

* Login Page
* Forgot Password
* Free Trial Registration
* Sign in using SSO

**2. Objectives**

* Ensure all authentication-related features function as expected.
* Validate security, responsiveness, performance, and usability aspects.
* Confirm compatibility across browsers, devices, and network conditions.

**3. Project Name**

**Project Title:** VWO Application – Authentication Modules

**Test Type:** Manual Testing

**4. Scope of Testing**

**In-Scope:**

* Functionality and UI testing of:
  + Login with valid/invalid credentials
  + Forgot password flow
  + Sign in using SSO
  + Start a free trial sign-up
* Input validations and error handling
* Button/link navigation and redirections

**Out-of-Scope:**

* Backend/database validation
* OTP/Email delivery verification
* Load and performance testing
* In-app post-login testing

**5. Testing Types Covered**

* Functional Testing
* Regression Testing
* UI/UX Testing
* Accessibility Testing
* Security Testing (basic)
* Compatibility Testing
* Integration Testing
* API/Backend Validation (via frontend behaviour)
* Responsiveness Testing
* Data Validation Testing

**6. Test Deliverables**

* Test Plan (this document)
* Test Cases excel sheet
* Defect Report
* Final Sign-Off Report

**7. Testing Strategy**

**Design Techniques:**

* Equivalence Partitioning
* Boundary Value Analysis
* State Transition (for Forgot Password/SSO flows)

**Approach:**

* Create and execute detailed manual test cases
* Capture screenshots for defects
* Retest defects post-fix
* Report summary to stakeholders

**8. Resources**

* Tester: Nagashree
* Tools: Browser DevTools, Excel/Google Sheets (for test cases), Screenshot/Recording tools

**9. Test Environment**

* **Website URL:** <https://app.vwo.com/#/login>
* **Test Browsers:** Chrome (latest), Firefox, Edge
* **Test Devices:** Windows Desktop, Android Chrome
* **Test Data:**
  + Valid user credentials
  + Invalid credentials
  + Dummy email addresses for Free Trial and Forgot Password

**10. Entry Criteria**

* Access to VWO login page confirmed
* Basic UI elements loaded correctly
* Test cases reviewed

**11. Exit Criteria**

* All critical and high-priority test cases pass.
* No major bugs remain open.
* Test summary report completed.

**12. Risks & Mitigation**

| **Risk** | **Mitigation** |
| --- | --- |
| Delayed environment access | Align with dev team for early staging URLs |
| Changing requirements | Maintain flexible and modular test cases |
| Limited device access | Use browser device simulation for basic checks |

**13. Testing Schedule**

| **Activity** | **Start Date** | **End Date** |
| --- | --- | --- |
| Test Plan Document | 03-Aug-2023 | 03-Aug-2023 |
| Test Case Preparation | 04-Aug-2023 | 06-Aug-2023 |
| Test Execution | 06-Aug-2023 | 08-Aug-2023 |
| Bug Reporting | 08-Aug-2023 | 09-Aug-2023 |
| Summary Report | 10-Aug-2023 | 10-Aug-2023 |

**14. Tools Used**

* Documentation: Excel, Word
* Defect Tracking: Excel
* Screenshot Capture: Snipping Tool
* Browsers: Chrome, Firefox
* Communication: Email / Google Meet

**15. Approval**

| **Name** | **Role** | **Signature** | **Date** |
| --- | --- | --- | --- |
| Nagashree Naik | QA Engineer | Nagashree | 03-Aug-2023 |