**Test Report for Login, SSO Login, and Registration Pages**

**1. Overview**

This report covers the testing of the **Login**, **SSO Login**, and **Registration** functionalities of the VWO platform. The purpose of this testing was to ensure all pages work as intended and to identify any issues or bugs that could impact the user experience.

**2. Scope**

* **Features Tested**:
  + **Login Page**: Standard login with email and password, remember me feature, forgot password link.
  + **SSO Login Page**: Single Sign-On (SSO) login functionality.
  + **Registration Page**: Registering a new account, email validation, and detailed registration form.

**3. Test Execution Summary**

* **Total Test Cases**: 17
* **Passed Test Cases**: 15
* **Failed Test Cases**: 2
* **Bugs Found**: 3

**4. Test Case Details**

* **Test Cases Executed**:
  + **Login Page**: 7 Test Cases
  + **SSO Login Page**: 4 Test Cases
  + **Registration Page**: 6 Test Cases
* **Status**:
  + **Passed**: The majority of the test cases were executed successfully, confirming that the core functionalities work as expected.
  + **Failed**: 2 test cases failed during the testing of the Registration Page.

**5. Bug Summary**

Three bugs were identified during the testing process:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Bug ID | Bug Description | Severity | Error Details | Status |
| BUG-001 | Weak password is accepted during registration, even when it does not meet the required complexity | High | **401 (Unauthorized)**: Weak password accepted despite password policy requirements | Open |
| BUG-002 | No error displayed for unchecked "I agree to Privacy Policy & Terms" checkbox when attempting to register | Medium | **Uncaught (in promise) TypeError**: Cannot read properties of undefined (reading 'get') | Open |
| BUG-003 | Invalid email format error not displayed on the SSO login page | Medium | **Uncaught TypeError**: Cannot read properties of undefined (reading 'type') | Open |

**6. Observations**

* The **Login** and **SSO Login** functionalities worked as expected for the majority of scenarios.
* **Registration** functionality exhibited issues, primarily with input validation:
  + The system accepted weak passwords, resulting in a **401 Unauthorized** error.
  + There was an **Uncaught TypeError** when the "I agree to Privacy Policy & Terms" checkbox was not selected.
  + **Invalid email format** was not correctly handled, resulting in an **Uncaught TypeError** during SSO login.

**7. Recommendations**

* **Password Validation**: Strengthen password validation to ensure that weak passwords are not accepted. A password policy (minimum 8 characters, including numbers and special characters) should be enforced to avoid **401 Unauthorized** errors.
* **Privacy Policy Checkbox**: Ensure that users cannot proceed without accepting the **Privacy Policy & Terms** to comply with regulatory requirements, which should prevent the **Uncaught TypeError**.
* **Email Validation**: Improve email format validation to ensure invalid emails are caught at all points (including the SSO page) and avoid **Uncaught TypeError** related to the email type field.

**8. Test Metrics**

* **Total Test Cases**: 17
* **Passed**: 15 (88%)
* **Failed**: 2 (12%)
* **Bug Severity Distribution**:
  + **High**: 1
  + **Medium**: 2
  + **Low**: 0

**9. Conclusion**

The **Login**, **SSO Login**, and **Registration** pages are mostly functional. However, there are critical areas that need to be addressed, particularly around validation during the registration process. Fixing these issues will ensure the platform is more secure and provides a seamless user experience.

**10. Next Steps**

* **Bug Fixes**: Assign the identified bugs to the development team for resolution.
* **Regression Testing**: Re-run failed test cases after the bugs are fixed to confirm the issues have been resolved.
* **Enhance Testing**: Include additional negative scenarios to further verify input validation.