**Test Summary Report for Facebook Login Page**

**1. Introduction**

**Project Name:** Facebook Login Page Testing  
**Report Prepared By:** Ajay K  
**Report Date:** 26/05/2024

This document summarizes the results of the testing activities conducted for the Facebook login page. It includes details on the objectives, scope, testing approach, results, and overall conclusions.

**2. Objectives**

The primary objectives of testing the Facebook login page were to:

* Validate that the login functionality works as expected for various scenarios.
* Ensure proper handling of errors and display of appropriate error messages.
* Verify the security of the login process against potential vulnerabilities.
* Assess the performance and responsiveness of the login page.
* Confirm cross-browser and cross-device compatibility.
* Check the accessibility features for users with disabilities.

**3. Scope**

**In-Scope:**

* Functional testing of login with valid and invalid credentials.
* Validation of input fields and error messages.
* Testing the "Forgotten password?" and "Create New Account" links.
* Security testing for vulnerabilities.
* Performance testing for load and response times.
* Cross-browser and cross-device compatibility testing.
* Accessibility testing for compliance with standards.

**Out-of-Scope:**

* Testing of other Facebook features (e.g., news feed, profile page).
* Database or backend service testing.

**4. Testing Approach**

**Functional Testing:**

* Executed test cases for valid and invalid login scenarios.
* Verified input field validations and error messages.
* Tested the functionality of links and buttons.

**Security Testing:**

* Conducted tests for SQL injection, XSS, and brute force attacks.
* Ensured secure transmission of credentials over HTTPS.

**Performance Testing:**

* Measured page load times and response times after form submission.

**Cross-Browser and Cross-Device Testing:**

* Tested on major browsers: Chrome, Firefox, Safari, Edge, Internet Explorer 11.
* Tested on various devices: desktops (Windows, macOS), tablets (iOS, Android), smartphones (iOS, Android).

**Accessibility Testing:**

* Verified screen reader compatibility, keyboard navigation, color contrast, and font size.

**5. Test Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Area** | **Total Test Cases** | **Passed** | **Failed** | **Remarks** |
| Functional Testing | 10 | 9 | 1 | One test case failed due to incorrect error message |
| Security Testing | 5 | 5 | 0 | All security tests passed |
| Performance Testing | 2 | 2 | 0 | Page load and response times within acceptable limits |
| Cross-Browser Testing | 5 | 5 | 0 | All major browsers supported |
| Cross-Device Testing | 5 | 5 | 0 | All devices supported |
| Accessibility Testing | 3 | 3 | 0 | Passed all accessibility checks |

**Summary of Failures:**

* **TC04:** Error message for blank email/phone number field was not displayed as expected.

**6. Defects**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Defect ID** | **Test Case ID** | **Description** | **Severity** | **Status** |
| DEF001 | TC04 | Error message for blank email/phone number field not displayed | Medium | Open |

**7. Conclusions**

The testing of the Facebook login page was conducted as planned. The overall functionality, security, performance, cross-browser and cross-device compatibility, and accessibility of the login page were found to be satisfactory.

The single identified defect (DEF001) regarding the error message for a blank email/phone number field should be addressed to ensure full compliance with expected behavior.

**8. Recommendations**

* Fix the defect related to the error message for the blank email/phone number field.
* Perform a regression test after the defect is fixed to ensure no new issues are introduced.
* Continuously monitor and test for security vulnerabilities as they may evolve over time.

**9. Acknowledgements**

Thank you to the testing team for their diligent work in ensuring the quality and security of the Facebook login page.

**Prepared By:** Ajay K  
**Date:** 26/05/2024