EXPERIMENT 1

SUNIT SABLE

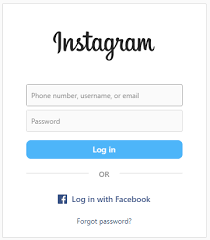
211070023

BATCH A

ST LAB1

AIM:TO CREATE TEST CASES FOR LOGIN PAGE

THEORY& IMPLEMENTATION**:**



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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Steps** | **Input data** | **Expected Results** | **Actual**  **Results** | **Test case status (pass/failed)** | **Bug Severity** | **Bug Priority** |
| TC01 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and password | Once username and password are entered page will redirects to its home page | As Expected | Pass | 0 | 0 |
| TC02 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and password | Once username and password are entered page will redirects to its home page | Unexpected error | fail | 5 (high) | 1(high) |
| TC03 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Unexisting username and password | Once username and password are entered it will show Username dont exist | As Expected | pass | 0 | 0 |
| TC04 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Wrong username and password | Once username and password are entered page will show unavailable user | Unexpected error | fail | 5 (high) | 1(high) |
| TC05 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and wrong password | Once username and password are entered page will tell wrong password | As Expected | pass | 0 | 0 |
| TC06 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and wrong password | Once username and password are entered page will tell wrong password | Allows to home page | fail | 5(high) | 1(high) |
| TC07 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and password | Once username and password are entered  User should be redirected to the home page within 5 sec max. | As Expected | pass | 0 | 0 |
| TC08 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and password | Once username and password are entered  User should be redirected to the home page within 5 sec max. | Page keep loading more than 5 sec | fail | 4 | 4 |
| TC09 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and wrong password  And captcha should be there | Once username and password are entered captcha should be enter in 10 sec else captcha should be changed | As Expected | pass | 0 | 0 |
| TC10 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and password  And captcha should be there | Once username and password are entered captcha should be enter in 10 sec else captcha should be changed | Unexpected error  Captcha not changing | fail | 4 | 2 |
| TC11 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and wrong password | Once username and password trials are exhausted ask user for forgot password and send mail toregistered email address to reset password | On Clicking forgot password User got mail to change password | pass | 0 | 0 |
| TC12 | -User Navigates to the instagram.com  -User enters registered username and password   -user clicks sign in | Legitimate username and wrong password | Once username and password trials are exhausted ask user for forgot password and send mail toregistered email address to reset password | Email not received by user | fail | 5(high) | 1(high) |
| TC13 | -User Navigates to the instagram.com for registration -User enters registered username and password   -user clicks sign up | Legitimate unique username and weak password with only letters | System should inform to change password to a strong password | As Expected | pass | 0 | 0 |
| TC14 | -User Navigates to the instagram.com for registration -User enters registered username and password   -user clicks sign up | Legitimate unique username and weak password with only letters | System should inform to change password to a strong password | System get user registered | fail | 3 | 3 |
| TC15 | -User Navigates to the instagram.com for registration -User enters registered username and password   -user clicks sign up | User add script in input field | Input sanitization should take place and proceed further | After sanitization of input only proceed to next process | pass | 0 | 0 |
| TC16 | -User Navigates to the instagram.com for registration -User enters registered username and password   -user clicks sign up | User add script in input field | Input sanitization should take place and proceed further | No sanitization | fail | 5 | 1 |
| TC17 | -User Navigates to the instagram.com for registration -User enters registered username and password   -user clicks sign up | Legitimate username and password | Remember me pop up upon clicking that next time autocompletion of input field | As Expected | pass | 0 | 0 |
| TC18 | -User Navigates to the instagram.com for registration -User enters registered username and password   -user clicks sign up | Legitimate username and password | Remember me pop up upon clicking that next time autocompletion of input field | No autocompletion | fail | 3 | 3 |
| TC19 | -User Navigates to the instagram.com for registration -User enters registered username and password   -user clicks login | Legitimate username and password | Session token is created and stored on the browser and still store on browser even if window is closed | User able to access account even after closing window | pass | 0 | 0 |
| TC20 | -User Navigates to the instagram.com for registration -User enters registered username and password   -user clicks login | Legitimate username and password | Session token is created and stored on the browser and still store on browser even if window is closed | User is unable to login | fail | 3 | 3 |

CONCLUSION: This experiment tested Instagram’s authentication and registration processes, focusing on login, password validation, captcha functionality, input sanitization, and session management. Several critical failures were identified, such as allowing incorrect passwords, unhandled errors, delayed redirects, missing email notifications, and lack of input sanitization. These issues pose security risks and affect user experience. Fixing high-priority bugs is essential to improve system reliability and security.