

Test Scenarios for Gmail Login Page

UI Test Scenarios

1. Verify Login Screen Elements
2. Verify Placeholders
3. Verify Field Length Restrictions
4. Verify Floating Labels (If Applicable)
5. Verify Font Styles and Sizes
6. Verify UI Responsiveness
7. Verify Cross-Browser Compatibility

Functional Test Scenarios

1. Verify Initial Focus
2. Verify Tab Functionality
3. Verify Enter/Tab Key as Sign-in
4. Verify Login with Valid Credentials
5. Verify Login with Invalid Credentials
6. Verify Login with Blank Fields
7. Verify Login with Inactive Credentials
8. Verify Reset Button Functionality
9. Verify Password Encryption
10. Verify Back Button Behavior (After Login)
11. Verify Validation Messages
12. Verify "Keep me logged in" Default State
13. Verify Session Timeout
14. Verify Logout Link
15. Verify Post-Login Redirection
16. Verify Forgot Password Link
17. Verify Create an Account Link
18. Verify Login after Password Change
19. Verify Login with Old Password (After Change)
20. Verify Password Leading Spaces
21. Verify Login Persistence (After Browser Close/Reopen)
22. Verify Password Retrieval Options

Non-functional Security Test Cases

1. Verify Back Button Behavior (After Logout)
2. Verify Unsuccessful Login Attempts Limit
3. Verify Password Masking
4. Verify Password Copy-Paste Restriction
5. Verify Copied Password Decipher Prevention
6. Verify "Remember Password" Default State
7. Verify Security Information in Page Source
8. Verify SQL Injection Vulnerability
9. Verify XSS Vulnerability

Performance Test Cases

1. Verify Login Page Load Time
2. Verify Login Response Time

Test Cases for CAPTCHA & Cookies (If Applicable)

1. Verify CAPTCHA Client-Side Validation
2. Verify CAPTCHA Refresh Functionality
3. Verify CAPTCHA Case Sensitivity
4. Verify CAPTCHA Audio Support
5. Verify Virtual Keyboard Functionality
6. Verify Two-Factor Authentication (2FA)
7. Verify SSL Certificate Implementation
8. Verify Login with Cleared Cookies
9. Verify Login with Cookies Disabled