Regression Test Cases – Gmail Login

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| Test Case ID | Title | Pre-Conditions | Test Steps | Test Data | Expected Result | Priority | Severity |
| REG-001 | Verify login with valid email & password | Gmail app/web accessible | 1. Enter valid email → Next 2. Enter valid password → Login | Valid email + correct password | User successfully logs in to inbox | High | High |
| REG-002 | Verify error for invalid email format | Gmail login page open | Enter invalid email (e.g., abc@) → Next | Invalid email | Error message: “Enter a valid email or phone number” | Medium | Medium |
| REG-003 | Verify login with wrong password | Valid email exists | Enter valid email → Next → wrong password → Login | Wrong password | Error message: “Wrong password. Try again.” | High | High |
| REG-004 | Verify “Forgot password” flow works | Valid Gmail account exists | 1. Enter email → Next 2. Click Forgot password? 3. Follow recovery options | Valid registered email | System redirects to account recovery options | High | High |
| REG-005 | Verify login with 'Show password' option | Gmail login page open | Enter password → click Show password icon | Valid password | Password should be visible as plain text | Low | Low |
| REG-006 | Verify login persists after enabling 'Stay signed in' | User signs in with 'Stay signed in' checked | 1. Enter valid email & password 2. Select Stay signed in 3. Close and reopen browser | Valid credentials | User should stay logged in without re-entering credentials | Medium | Medium |
| REG-007 | Verify login with 2-Step Verification enabled | Account has 2FA enabled | 1. Enter valid email & password 2. Enter OTP from mobile | Valid credentials + OTP | Login successful after OTP verification | High | High |
| REG-008 | Verify login with multiple accounts | User has more than one Gmail account | 1. Sign in with first account 2. Click Add another account 3. Sign in with second account | Multiple valid credentials | Both accounts accessible (switchable) | Medium | Medium |
| REG-009 | Verify error for blank email field | Gmail login page open | Leave email blank → Next | Empty email | Error message: “Enter an email or phone number” | Medium | Low |
| REG-010 | Verify logout & re-login works | User logged in | 1. Logout 2. Go to Gmail login page 3. Re-login | Valid email + password | User successfully logout and login again | High | Medium |
| REG-011 | Verify login fails with deactivated account | Account disabled by admin/Google | Enter email + password of deactivated account | Deactivated account | Error message: “This account has been disabled” | High | High |
| REG-012 | Verify error when using expired password | Account password recently changed | 1. Enter old password 2. Click Login | Old password | System should reject with error: “Password changed recently, use new password” | Medium | High |
| REG-013 | Verify error when session expires | Login session open | Keep idle until session timeout → perform action | Valid login but idle session | Redirect to login page, re-enter password required | Medium | Medium |
| REG-014 | Verify login not possible after logout using browser back | User logged out | Logout → press browser Back | Valid previous session | User should not access inbox; redirected to login page | High | Medium |
| REG-015 | Verify login blocked after multiple failed attempts | Gmail login page open | Enter wrong password repeatedly (10 times) | Wrong password | Account temporarily locked / CAPTCHA shown | High | High |
| REG-016 | Verify login fails with unregistered email | Gmail login page open | Enter non-existing email → Next | Fake email (e.g., xyz123@nomail.com) | Error message: “Couldn’t find your Google Account” | Medium | Medium |
| REG-017 | Verify cached credentials do not bypass login after logout | User logs in & logs out | 1. Login → Logout 2. Paste Gmail inbox URL in new tab | Valid credentials | User should not access inbox without re-login | High | High |
| REG-018 | Verify error when using invalid characters in email | Gmail login page open | Enter invalid characters (e.g., @@@@) | Invalid email format | Error message should appear | Low | Low |
| REG-019 | Verify behavior when internet disconnects during login | Internet disabled | Enter email + password → disconnect internet → click Login | Valid credentials | Error: “Couldn’t connect. Please check your connection” | Medium | Medium |
| REG-020 | Verify login fails with expired OTP in 2FA | Account has 2FA enabled | Enter email + password → enter expired OTP | Expired OTP | Error: “Invalid code, try again” | High | High |