Functional Test Cases

Test Case ID	Test Scenario Title	Description
1	Successful Login	Ensure user can log in using valid credentials and redirected to dashboard.
2	Incorrect Password	Verify system shows proper error when password is invalid.
3	Unregistered Email	Check that login fails for an email not registered in the system.
4	Blank Email Field	Verify error is displayed when email field is empty.
5	Blank Password Field	Verify login attempt fails if password field is empty.
6	Forgot Password Navigation	Check if clicking 'Forgot Password' leads to recovery page.
7	Password Reset via Email	Ensure user can reset password using registered email.
8	Password Reset via SMS	Verify reset option works via registered mobile number.
9	Remember Me Option	Check if 'Remember Me' retains session after closing the browser.
10	Google SSO Login	Confirm successful login using Google Single Sign-On integration.
11	Facebook SSO Login	Ensure Facebook SSO login works correctly for linked accounts.
12	Session Expiry Handling	Check expired sessions redirect user back to login page.
13	Backup Code Login	Ensure user can log in using backup code when 2FA is enabled.
14	Back Button Behavior	Check that browser back button does not bypass login after logout.
15	JavaScript Disabled Mode	Check proper error message or limited functionality without JS.
16	Network Disruption Handling	Ensure app shows retry option or message on network failure.

Security Test Cases

Test Case ID	Test Scenario Title	Description
17	SQL Injection Protection	Confirm login form blocks SQL injection attempts.
18	Script Injection Protection	Verify input sanitization prevents script/HTML injections.
19	Special Character Handling	Ensure login handles credentials containing special characters correctly.

20	Session Expiry Handling	Check expired sessions redirect user back to login page.
21	Auto-fill Password	Verify saved passwords auto-fill properly when allowed by browser.
22	Two-Factor Authentication	Check OTP prompt appears after valid credentials for 2FA accounts.
23	Backup Code Login	Ensure user can log in using backup code when 2FA is enabled.
24	Post Logout Access	Confirm user must re-enter credentials after logging out.
25	Temporary Lockout	Verify multiple failed login attempts trigger temporary account block.
26	URL Manipulation	Ensure modifying URL parameters doesn't bypass authentication.
27	Back Button Behavior	Check that browser back button does not bypass login after logout.
28	Incognito Mode Login	Confirm login works correctly in incognito/private mode.
29	HTTPS Enforcement	Confirm that login page enforces secure HTTPS connections.

UI Test Cases

Test Case ID	Test Scenario Title	Description
30	Password Masking	Verify password characters are masked properly with dots or asterisks.
31	Responsive Design	Verify login page adapts to mobile, tablet, and desktop resolutions.
32	UI Element Validation	Verify presence and visibility of all required UI components.
33	Forgot Password UI	Ensure forgot password page includes all necessary elements.

Usability Test Cases

Test Case ID	Test Scenario Title	Description
33	Caps Lock Warning	Check that warning appears if Caps Lock is enabled while typing password.
34	Trimmed Spaces	Confirm system trims leading/trailing spaces in credentials.
35	Auto-fill Email	Ensure browser auto-fills stored email addresses correctly.

36	Accessibility Support	Ensure screen readers correctly identify login fields and buttons.
37	Error Message Clarity	Ensure clear, user-friendly error messages for login failures.
38	Last Email Suggestion	Check if last successfully used email appears by default.
39	Cookies Disabled Handling	Check system shows message when cookies are disabled.
40	Slow Internet Handling	Verify loading indicators appear for slow networks during login.