

1) Functional Testing:

Test Case ID	Test Case Title	Test Scenario	Preconditions	Test Steps	Test Data/Input	Expected Result	Actual Result	Status	Priority	Severity
TC01	Verify login with valid credentials	To ensure successful login using correct email and password	User must have a valid LinkedIn account	Open LinkedIn → Enter valid email & password → Click Sign In	Valid credentials	User should be redirected to homepage			High	Major
TC02	Verify login with invalid password	To check system response for wrong password	User has valid email ID	Enter valid email & wrong password → Click Sign In	Wrong password	Error message 'Incorrect password' displayed			High	Major
TC03	Verify login with blank email	To ensure error when email is missing	Login page open	Leave email empty → Enter password → Click Sign In	Empty email field	System should prompt to enter email			Medium	Minor
TC04	Check password reset process	To validate the password recovery feature	User has registered email	Click 'Forgot password' → Follow reset link → Enter new password	Registered email	Password reset successfully			High	Major
TC05	Verify new account registration	To ensure user can create a new	Registration page available	Enter valid name, email,	Valid user details	Account created successfully			High	Major

		LinkedIn account		password → Submit						
TC06	Verify logout functionality	To ensure user can log out securely	User logged into LinkedIn	Click profile icon → Select Logout	Active session	User logged out, redirected to login page			Medium	Minor
TC07	Check Remember Me option	To confirm Remember Me works properly	User has a LinkedIn account	Select Remember Me → Login → Close and reopen browser	Valid credentials	User stays logged in automatically			Medium	Minor
TC08	Verify connection request	To validate sending a connection request	User logged in	Search for a user → Click Connect	Target user name	Connection request sent			Medium	Major
TC09	Verify post creation	To check if user can create a new post	User logged in	Click 'Start a post' → Add content → Click Post	Text content	Post successfully uploaded			High	Major
TC10	Verify comment on a post	To ensure commenting works	User logged in	Open a post → Type comment → Post it	Comment text	Comment visible under post			Medium	Minor
TC11	Verify like functionality	To ensure user can like a post	User logged in	Open a post → Click Like	Post	Like count increases			Medium	Minor
TC12	Verify share functionality	To check if post can be shared	User logged in	Open post → Click Share → Confirm	Post	Post shared on user's feed			Medium	Minor

2)UI Testing

Test Case ID	Test Case Title	Test Scenario	Preconditions	Test Steps	Test Data/Input	Expected Result	Actual Result	Status	Priority	Severity
TC13	Verify LinkedIn logo visibility	Ensure LinkedIn logo is properly visible on all pages	User opens LinkedIn home page	Check header section for LinkedIn logo	Home page URL	Logo displayed clearly at top-left corner			Medium	Minor
TC14	Check login button alignment	Verify login button is properly aligned and visible	Login page open	Inspect login button placement	Login page	Login button centered below input fields			Medium	Minor
TC15	Check color contrast of buttons	Ensure color contrast meets accessibility standards	LinkedIn page open	Compare button color with background	Any page	Text and background contrast ratio should be proper			Medium	Minor
TC16	Verify font consistency	Ensure all text elements use consistent fonts	LinkedIn dashboard open	Inspect fonts in menus, posts, and buttons	Dashboard page	Font style and size consistent across site			Low	Minor
TC17	Check image loading	Ensure all profile and post images load correctly	User logged in	Scroll through feed and profiles	Feed page	All images load without distortion			High	Major
TC18	Verify responsiveness on mobile	Ensure UI adapts on smaller screens	Access LinkedIn on mobile browser	Resize window or open on phone	Mobile device	Layout adjusts correctly without overlaps			High	Major

TC19	Check post button visibility	Ensure post button is always visible on feed	User logged in	Open home feed and locate 'Start a post' button	Feed page	'Start a post' button visible at top			Medium	Minor
TC20	Verify icon clarity	Ensure all icons are sharp and clearly visible	LinkedIn dashboard open	Inspect all icons (message, bell, profile)	Dashboard	Icons appear sharp with proper resolution			Low	Minor
TC21	Check placeholder text visibility	Ensure placeholders are visible in text fields	Open login or signup page	Inspect input boxes for placeholder text	Login page	Placeholder text readable and properly aligned			Low	Minor
TC22	Verify button hover effect	Ensure hover effect works correctly for buttons	User logged in	Hover mouse over action buttons	Feed page	Hover effect (color change or highlight) visible			Low	Minor
TC23	Check scroll bar functionality	Ensure scroll bars appear when content exceeds screen size	Open long LinkedIn page	Scroll vertically and horizontally	Any page	Scroll bar visible and works properly			Medium	Minor
TC24	Verify dark mode appearance	Ensure UI elements adapt to dark mode properly	User enabled dark mode	Switch LinkedIn theme to dark mode	Settings	All components visible in dark mode			Medium	Minor
TC25	Check alignment of profile picture and name	Ensure profile picture and username	User logged in	View profile page	Profile page	Profile picture and name			Medium	Minor

		align properly				properly aligned				
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3) Security Testing

Test Case ID	Test Case Title	Test Scenario	Preconditions	Test Steps	Test Data/Input	Expected Result	Actual Result	Status	Priority	Severity
TC26	Verify password encryption	Ensure passwords are stored in encrypted format	Admin access to DB	Register new user → Check DB storage	New credentials	Password stored encrypted			High	Major
TC27	Check login with SQL injection	Prevent login using SQL injection inputs	Login page open	Enter `` OR '1'='1` in email field	Malicious input	Error message, no login success			High	Critical
TC28	Verify session timeout	Ensure user session expires after inactivity	User logged in	Stay idle for 15+ mins	Idle user	System logs out automatically			Medium	Major
TC29	Check HTTPS connection	Ensure data transmission is secure via HTTPS	LinkedIn open	Check URL protocol	Website URL	HTTPS enabled with lock icon			High	Major
TC30	Verify password strength validation	Ensure password policy is enforced	Registration page	Enter weak password	weak123	Message shown 'Weak password'			High	Major

TC3 1	Verify account lock after multiple failed logins	Ensure account locks after 5 failed attempts	User account exists	Enter wrong password multiple times	Invalid password	Account temporarily locked			High	Major
TC3 2	Check forgot password email security	Verify reset link is secure and unique	User has email registered	Click 'Forgot Password' → Check email	Registered email	Unique reset link sent			High	Major
TC3 3	Verify 2-step verification	Ensure OTP verification works correctly	User enabled 2FA	Login with credentials → Enter OTP	Valid credentials & OTP	Access granted			High	Major
TC3 4	Check logout clears session	Ensure session cookie is cleared after logout	User logged in	Logout → Check browser cookies	Active session	Session cookie removed			Medium	Major
TC3 5	Verify profile data privacy	Ensure only connections can view restricted data	User logged in	Visit profile privacy settings	Profile data	Restricted data hidden from non-connections			Medium	Major
TC3 6	Check protection from XSS attack	Ensure site prevents cross-site scripting	Comment field available	Enter script <code><script>alert('hack')</script></code>	Malicious input	Script ignored, sanitized			High	Critical
TC3 7	Verify secure password reset link expiry	Ensure reset link expires after limited time	User requests password reset	Click link after expiry time	Expired link	Link expired message displayed			Medium	Major

TC3 8	Check unauthorized access to pages	Ensure restricted pages require login	Open LinkedIn dashboard directly	Dashboard URL	Restricted page	Redirected to login page			High	Major
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4) Usability Testing

Test Case ID	Test Case Title	Test Scenario	Preconditions	Test Steps	Test Data/Input	Expected Result	Actual Result	Status	Priority	Severity
TC39	Verify clarity of navigation menu	Ensure navigation menu is easy to understand	User logged in	Open dashboard → Check menu labels	Dashboard menu	Labels are clear and self-explanatory			Medium	Minor
TC40	Check accessibility of key features	Validate users can access main features easily	User logged in	Locate 'Jobs', 'Messages', 'Network'	Dashboard	All features visible within 2 clicks			Medium	Minor
TC41	Verify feedback after form submission	Ensure user gets clear feedback messages	Form submission page	Submit form with valid details	Form data	Message 'Submitted successfully' displayed			High	Major
TC42	Check placement of error messages	Validate errors appear near relevant fields	Login page open	Enter invalid credentials	Wrong input	Error shown below input field			Medium	Minor
TC43	Verify language readability	Ensure all messages are simple and understandable	LinkedIn open	Read text across site	Text content	Sentences easy to understand			Low	Minor
TC44	Check consistency of icons	Ensure icons have consistent	User logged in	Inspect icons (home, message, jobs)	Dashboard icons	All icons consistent and intuitive			Low	Minor

		shapes and meanings								
TC45	Verify profile edit process	Ensure profile update process is user-friendly	User logged in	Edit profile → Save changes	Profile data	Profile updates without confusion			Medium	Major
TC46	Check navigation between pages	Ensure users can move between pages easily	LinkedIn open	Click links and return to home	Various links	Pages open quickly without confusion			Medium	Minor
TC47	Verify search bar usability	Ensure users can find what they want quickly	User logged in	Type keyword in search bar	'Developer', 'Jobs'	Accurate and relevant suggestions shown			High	Major
TC48	Check clarity of notification messages	Ensure notifications are descriptive	User logged in	Open Notifications tab	Various alerts	Each alert has clear purpose			Medium	Minor
TC49	Verify help or support availability	Ensure users can access help easily	LinkedIn open	Scroll down → Click 'Help Center'	Help link	Help Center opens successfully			Medium	Minor
TC50	Check button labels clarity	Ensure button names clearly describe action	LinkedIn open	Inspect all action buttons	Buttons	Labels like 'Apply', 'Connect' are clear			Low	Minor
TC51	Verify new user onboarding flow	Ensure new users understand setup steps	New LinkedIn account	Register and follow steps	Registration form	Clear prompts guide user to complete profile			High	Major
TC52	Check visual feedback on actions	Ensure system gives feedback when actions occur	User logged in	Like or comment on a post	Post click	Small animation or count change visible			Medium	Minor

5) Performance Testing

Test Case ID	Test Case Title	Test Scenario	Preconditions	Test Steps	Test Data/Input	Expected Result	Actual Result	Status	Priority	Severity
TC53	Verify home page load time	Ensure LinkedIn homepage loads within 3 seconds	User logged out	Open LinkedIn in browser	Homepage URL	Page loads within 3 seconds			High	Major
TC54	Check login response time	Verify login completes within acceptable time	User registered	Enter credentials → Click Sign In	Valid credentials	Login completes within 2 seconds			High	Major
TC55	Validate post upload speed	Check how quickly posts are published	User logged in	Create and post text update	Post content	Post uploaded within 3 seconds			Medium	Major
TC56	Measure feed refresh performance	Ensure feed refresh is quick	User logged in	Scroll or refresh feed	User activity	Feed loads smoothly			Medium	Minor
TC57	Check image upload time	Ensure profile images upload quickly	User logged in	Upload a new profile photo	Image file	Upload completes under 5 seconds			Medium	Major
TC58	Verify scalability under high load	Check system performance under 1000 concurrent users	Load testing environment	Simulate multiple users logging in	Concurrent users	System remains stable			High	Major

TC59	Test page transition speed	Ensure switching pages is smooth	User logged in	Move between dashboard, jobs, and messages	Navigation clicks	Page loads within 2 seconds			Medium	Minor
TC60	Check search performance	Validate response time for search results	User logged in	Search for 'Software Engineer'	Keyword input	Results displayed in <3 seconds			High	Major
TC61	Verify notifications update time	Ensure notifications appear in real time	User logged in	Trigger new message or connection	Notification event	Notification appears instantly			High	Major
TC62	Validate chat performance	Ensure messaging system is responsive	Two users logged in	Send and receive messages	Chat input	Messages delivered instantly			Medium	Major
TC63	Check video post upload time	Ensure video uploads complete within limit	User logged in	Upload a short video	MP4 file	Upload within 10 seconds			Medium	Major
TC64	Measure API response time	Verify LinkedIn APIs respond under 2 seconds	API access enabled	Trigger LinkedIn API call	API endpoint	API responds in <2 seconds			High	Critical
TC65	Validate system behavior during downtime	Check stability during server overload	Test environment	Simulate high traffic	Stress load	System stays available with minimal delay			High	Major
TC66	Verify download	Ensure attachment	User logged in	Download attached resume	File link	File downloads			Medium	Minor

	speed of attachments	download is fast				under 5 seconds				
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6)Compatibility Testing

Test Case ID	Test Case Title	Test Scenario	Preconditions	Test Steps	Test Data/Input	Expected Result	Actual Result	Status	Priority	Severity
TC67	Verify website compatibility on Chrome	Ensure LinkedIn works properly on Chrome browser	LinkedIn URL accessible	Open LinkedIn in Chrome	Chrome browser	Website loads and functions normally			High	Major
TC68	Verify website compatibility on Firefox	Check LinkedIn works properly on Firefox browser	LinkedIn URL accessible	Open LinkedIn in Firefox	Firefox browser	Website loads without UI distortion			Medium	Minor
TC69	Verify website compatibility on Safari	Ensure LinkedIn functions correctly on Safari	LinkedIn URL accessible	Open LinkedIn in Safari	Safari browser	Website loads and functions correctly			Medium	Minor
TC70	Verify compatibility on Edge browser	Ensure no rendering issues occur	LinkedIn accessible	Open LinkedIn in Edge browser	Edge browser	Layout and UI render correctly			Medium	Minor

TC71	Check mobile responsiveness on Android	Ensure UI adjusts properly on Android	LinkedIn mobile app or browser	Open LinkedIn on Android device	Android device	Layout fits screen properly			High	Major
TC72	Check mobile responsiveness on iOS	Ensure LinkedIn adapts well on iPhones	LinkedIn mobile app installed	Open LinkedIn on iPhone	iPhone	UI and buttons work properly			High	Major
TC73	Verify cross-platform login functionality	Ensure login works on multiple platforms	Valid LinkedIn account	Login from mobile and desktop	Same credentials	Login successful across devices			High	Major
TC74	Check font rendering on different OS	Ensure fonts appear consistently	LinkedIn open on multiple OS	Compare text on Windows, macOS, Linux	Operating systems	Fonts display clearly and consistently			Low	Minor
TC75	Verify post sharing on all browsers	Ensure post sharing works on all browsers	User logged in	Share a post on Chrome, Firefox, Edge	Browser inputs	Post successfully shared on all			Medium	Major
TC76	Validate link previews on devices	Check preview generation for shared links	User logged in	Share external links	Post URL	Preview displays on web and mobile			Medium	Minor
TC77	Check video playback on all platforms	Ensure videos play smoothly everywhere	Video post available	Play video on mobile and desktop	Video URL	Playback smooth and synchronized			Medium	Major

TC78	Verify file uploads on various browsers	Ensure file upload works across browsers	User logged in	Upload resume or document	File attachment	File uploads successfully on all			High	Major
TC79	Check alignment across screen sizes	Ensure consistent layout across resolutions	LinkedIn open	Resize browser window	Vary screen sizes	Layout adjusts properly			Medium	Minor
TC80	Verify notifications sync between devices	Ensure notifications appear on all devices	User logged in on two devices	Send message or alert	Notification event	Notification appears on both devices			High	Major

7)Accessibility Testing

Test Case ID	Test Case Title	Test Scenario	Preconditions	Test Steps	Test Data/Input	Expected Result	Actual Result	Status	Priority	Severity
TC81	Verify keyboard-only navigation	Ensure users can navigate using only keyboard	LinkedIn open in browser	Use Tab and Enter to move between links	Keyboard input	All interactive elements are accessible			High	Major
TC82	Check screen reader compatibility	Validate LinkedIn supports screen readers	Screen reader installed	Open LinkedIn using NVDA/JAWS	Screen reader software	All elements read properly			High	Major
TC83	Verify color contrast	Ensure text contrast meets accessibility standards	LinkedIn open	Check colors using contrast checker	Color codes	Contrast ratio \geq 4.5:1			Medium	Minor

TC84	Check alt text for images	Ensure all images have alt text	LinkedIn open	Inspect images via developer tools	Image elements	Alt attributes present			Medium	Minor
TC85	Verify focus indicator visibility	Ensure focus is visible on all buttons/links	LinkedIn open	Use Tab key to navigate	Keyboard navigation	Clear focus outline visible			High	Major
TC86	Check form field labels	Validate each form element has label	Login/Signup forms	Inspect label tags	Form fields	Each input has descriptive label			Medium	Minor
TC87	Validate captions for videos	Ensure uploaded videos include captions	Video post available	Play video with captions on	Video content	Captions displayed accurately			High	Major
TC88	Verify dynamic content accessibility	Ensure live updates are read by assistive tools	Feed auto-refresh on	Use screen reader	Live feed	Updates announced correctly			Medium	Major
TC89	Check ARIA attributes	Validate ARIA roles and properties used properly	LinkedIn page open	Inspect HTML elements	ARIA attributes	ARIA roles correctly applied			Medium	Minor
TC90	Verify link descriptions	Ensure links have meaningful text	LinkedIn open	Hover over or inspect link text	Page links	Link text describes destination			Low	Minor
TC91	Check error message accessibility	Ensure error messages are announced by screen readers	Form with invalid input	Submit invalid data	Invalid fields	Error messages announced clearly			Medium	Major

TC92	Verify heading structure	Ensure headings follow logical hierarchy	LinkedIn open	Inspect headings (H1–H3)	Page elements	Headings arranged sequentially			Low	Minor
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8)Integration Testing

Test Case ID	Test Case Title	Test Scenario	Preconditions	Test Steps	Test Data/Input	Expected Result	Actual Result	Status	Priority	Severity
TC93	Verify login module integration	Ensure login module integrates correctly with LinkedIn database	Valid user exists	Enter credentials → Click Sign In	User credentials	User successfully authenticated			High	Major
TC94	Check profile update synchronization	Validate profile updates reflect across modules	User logged in	Edit profile → Save	Updated profile info	Updated info visible on dashboard & search			Medium	Major
TC95	Verify post and feed integration	Ensure user posts appear correctly in feed	User logged in	Create post → Refresh feed	Post content	New post visible in feed			High	Major
TC96	Check job module with recommendation engine	Validate job recommendations update dynamically	User has profile info	View job suggestions	User preferences	Jobs shown based on skills and location			High	Major
TC97	Verify messaging and notification link	Ensure messages trigger proper notifications	User logged in	Send message → Check notification	Message input	Notification instantly received			High	Major
TC98	Check external authentication (Google/Apple)	Ensure third-party login works correctly	Linked accounts connected	Login using Google/Apple	External credentials	User logged in successfully			Medium	Major

TC99	Verify data integration with LinkedIn API	Ensure API returns correct user info	API key available	Fetch data via LinkedIn API	API endpoint	Correct JSON response with user data			High	Major
TC100	Check analytics integration	Validate LinkedIn analytics updates when post is made	Analytics dashboard enabled	Create a post → Open analytics	Post activity	Analytics data updated immediately			High	Major