

Part 1 – Software Testing Life Cycle (STLC) for LinkedIn Mobile Application

LinkedIn is a professional networking and job-search platform that allows users to connect, share posts, apply for jobs, send messages, and manage their professional identity. The goal of testing is to ensure the application runs smoothly across mobile devices while maintaining performance, reliability, and secure communication.

STLC :

1. Requirement Analysis

In this phase, the goal is to Understand LinkedIn's business objectives and user needs.

Scope of Testing

- User registration & login (Email/Google/Apple)
- Profile setup & editing
- Home feed interaction (posts, likes, comments, share)
- Messaging (send / receive / attachments)
- Notifications (push & in-app)
- Search (people, jobs)
- Job apply
- Follow / unfollow / connect requests
- Dark mode UI
- Settings & logout

Deliverables

- Requirement understanding document
- List of features to be tested

2. Test Planning

Focus on functional, usability, regression, and mobile-specific testing (scroll/performance).

Objectives

Ensure core features work seamlessly, user can interact professionally, search jobs, and stay connected.

Deliverables

Test plan, test schedule, risk register, entry criteria and exit criteria.

3. Test Analysis

Test Scenario Identification.

Deliverables

Test conditions and defect reports regarding defects in the test basis

4. Test Design

- Use black-box techniques (equivalence partitions, boundary values) for card operations.
- Use exploratory testing.

Deliverables

Test cases, test charters, coverage items, test data requirements and test environment requirements.

Test Cases :

ID	Test Cases	Feature	Priority
TC01	Login with valid credentials	Login	High
TC02	Login with invalid password	Login	High
TC03	Create and Update profile details	Profile	High
TC04	Create Post (Text + image)	Feed	High
TC05	Like and comment post	Feed	High
TC06	Search for user/job	Search	High

TC07	Switch to dark mood	Settings	Medium
TC08	Send and receive Messaging	Messaging	High

4. Test Implementation

Goal: Prepare testware environment setup, accounts, and devices.

Deliverables

Test procedures, manual and automated test scripts, test suites, test data, test execution schedule, and test environment items.

5. Test Execution

Run the designed test cases on the LinkedIn mobile app and log outcomes.

Activities

1. Execute manual & automated tests.
2. Record results and log defects.
3. Re-test after fixes and perform regression.

Deliverables

1. Test Logs
2. Defect Reports
3. Screenshots

6. Defect Reporting

Bug ID	Title	Steps to Reproduce	Expected Result	Actual Result	Severity	Priority	Attachment
BUG-01	Notification page refresh loop	Open LinkedIn app → Refresh Feed → Refresh again.	Newest posts appears.	Refreshes repeatedly and the same feed appears again	High	High	BUG1
BUG-02	Suggested connections repeating	1. Open LinkedIn app 2. Open My Network 3. Scroll to suggested connections 4. Refresh page.	New unique suggestions	Same suggestions reappear / repeat list	Low	Medium	BUG2
BUG-03	Search results show previous job role not the search one	<ol style="list-style-type: none"> 1. Open LinkedIn mobile app 2. Go to Jobs tab 3. In search bar, type a job title different from your current profile title (Example: User current role = "Software Tester", search = "Backend") 4. Press Search 5. Observe results. 	Only jobs related to the searched title should display (in this case, only Backend positions).	Mixed results appear — your original job field + searched field (e.g., Software Testing jobs + backend)	Medium	High	BUG3

BUG-04	Settings page takes long time to load	1. Log in to LinkedIn mobile app. 2. Tap profile picture 3. Tap settings 4. observe loading time	Settings page should load instantly or within <1 second	Settings page takes 3-6 seconds to load; sometimes appears blank before loading.	Medium	Medium	BUG4
BUG-05	Profile picture upload stuck	1. Open LinkedIn mobile app or web. 2. Go to profile section. 3. Upload new profile picture.	Upload completes and shows new photo	Spinner keeps loading, image doesn't update	Medium	Low	-
BUG-06	App glitches after accepting a connection and returning to the Network tab	1. Open LinkedIn app. 2. Go to the My Network tab. 3. Tap Accept on a connection request. 4. Tap the person's name to open their profile. 5. Press back or navigate back to My Network. 6. Observe the screen.	The Network tab should reload normally and display updated connection requests.	The screen glitches — freezes.	Medium	High	BUG6

7. Test Closure

After test execution, verify that all high-priority cases passed and all major defects are fixed. Prepare a summary report of the overall testing effort and results.

Activities

1. Verify completion criteria (all high-priority cases executed).
2. Document test metrics and outcomes.
3. Identify action items, lessons learned, and change requests.

Deliverables

Test completion report, action items for improvement of subsequent projects or iterations, documented lessons learned, and change requests.