# **Test Requirements Document (TRD) – LinkedIn**

## **1. Introduction**

* **Application Under Test (AUT):** LinkedIn (Web & Mobile App)
* **Document Version:** v1.0
* **Prepared By:** [Tester / QA Team Name]
* **Date:** [Date]

### **1.1 Purpose**

This document defines the testing requirements for LinkedIn, covering functional, non-functional, and integration areas. The goal is to validate that LinkedIn provides a seamless professional networking experience while meeting performance, security, and usability standards.

### **1.2 Scope**

Testing will focus on:

* **User onboarding (sign-up, login, profile setup)**
* **Networking features (connections, invitations, messaging)**
* **Content features (feed, posts, likes, comments, shares, hashtags, articles)**
* **Job-related features (job search, job application, recruiter tools)**
* **Premium subscription features**
* **Notifications & emails**
* **Cross-platform consistency (Web, Android, iOS)**

## **2. Business Requirements to be Tested**

* BR-1: Users must be able to create, edit, and manage their professional profiles.
* BR-2: The platform must allow users to build and manage professional connections.
* BR-3: Users must be able to search, apply, and get recommended jobs.
* BR-4: Recruiters must be able to post jobs and manage applicants.
* BR-5: The system must provide personalized feeds and recommendations.
* BR-6: Premium users must get access to additional insights and tools.
* BR-7: The system must comply with data privacy regulations (GDPR, CCPA).

## **3. Functional Test Requirements**

### **3.1 User Management**

* TR-1: Test sign-up with email, phone, and third-party SSO (Google, Apple, Microsoft).
* TR-2: Validate login, logout, and password reset flows.
* TR-3: Validate multi-factor authentication (MFA).

### **3.2 Profile Management**

* TR-4: Validate creating and editing a profile (headline, experience, skills, education).
* TR-5: Test uploading profile & cover photos.
* TR-6: Validate endorsements and recommendations.

### **3.3 Connections & Messaging**

* TR-7: Test sending, accepting, rejecting, and withdrawing connection requests.
* TR-8: Validate 1:1 messaging and group messaging.
* TR-9: Test blocking, reporting, and privacy settings.

### **3.4 Feed & Content**

* TR-10: Validate creating posts with text, images, videos, documents, hashtags, mentions.
* TR-11: Test likes, comments, shares, and reactions.
* TR-12: Validate following hashtags, people, and pages.

### **3.5 Jobs**

* TR-13: Validate job search filters (location, role, experience, salary, remote).
* TR-14: Test "Easy Apply" vs. external job applications.
* TR-15: Validate recruiter job posting & applicant tracking.

### **3.6 Notifications**

* TR-16: Validate in-app notifications (connection requests, messages, likes, job alerts).
* TR-17: Validate email and push notifications.

### **3.7 Premium Features**

* TR-18: Test subscription flow (upgrade, downgrade, cancel).
* TR-19: Validate access to Premium Insights, InMail, and Learning modules.

## **4. Non-Functional Test Requirements**

* NFR-1: Performance – Validate feed loading under 2s for average network conditions.
* NFR-2: Scalability – Ensure stable performance under peak loads.
* NFR-3: Security – Validate session management, SQL injection prevention, XSS, CSRF.
* NFR-4: Accessibility – Ensure compliance with WCAG 2.1 AA.
* NFR-5: Cross-browser – Test on Chrome, Edge, Safari, Firefox (latest 2 versions).
* NFR-6: Mobile Responsiveness – Validate UI across iOS and Android devices.

## **5. Test Data Requirements**

* Dummy user accounts with varying roles (job seeker, recruiter, premium, standard).
* Sample resumes and profile data.
* Test jobs for different industries and locations.
* Test company pages with different sizes (SMBs, enterprises).

## **6. Constraints & Assumptions**

* Testing will not include backend infrastructure beyond exposed APIs.
* Test environment will simulate live production with limited real users.
* Payment testing for subscriptions will use sandbox environments.

## **7. Acceptance Criteria**

* All **critical functional areas** (sign-up, login, messaging, job application, feed) must pass with no high-priority defects.
* Performance metrics must meet NFRs.
* Security tests must show no critical vulnerabilities.