LinkedIn Mobile

App

**Test Plan Document**

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**1. Scope:**

The test scope includes the LinkedIn web application across major browsers (Chrome, Firefox, Safari) and platforms (Windows, mac OS ).

**2. Test Strategy:**

The testing approach will be a combination of manual and automated testing.

Automation will be used for repetitive and critical test scenarios.

Testing will cover functional, usability, security, performance, and compatibility aspects.

**3. Test Objectives:**

Ensure the functionality of key features such as profile management, connections, messaging, job search, and groups.

Verify the security and privacy of user data.

Evaluate the user experience and usability of the platform.

Validate the performance under various conditions.

Ensure compatibility with different browsers and operating systems.

Test integration with third-party services.

Validate notification system functionality.

Verify the effectiveness of the search functionality.

**4. Test Effort:**

The estimated test effort is 6 weeks, including both manual and automated testing.

Effort allocation: 70% manual testing, 30% automated testing.

**5. Test Schedule**

Week 1-2: Test planning and preparation, environment setup, and requirement analysis.

Week 3-4: Manual and automated testing of core functionalities (profile, connections, messaging).

Week 5: Security testing, performance testing, and compatibility testing.

Week 6: Integration testing, usability testing, and final regression testing.

Week 7: Report generation and documentation.

**6. Test Resources:**

**Team Composition:**

Test Manager

Test Lead

Manual Testers

Automation Testers

Security Tester

Performance Tester

**Tools:**

Selenium for automation

Jira for test case management and defect tracking

Jenkins for continuous integration

OWASP ZAP for security testing

JMeter for performance testing

CrossBrowserTesting for cross-browser testing

BrowserStack for cross-platform testing

**Environment:**

Dedicated test environment that mirrors the production environment.

Virtual machines for cross-browser and cross-platform testing.

**Training:**

Training sessions for manual and automation testers on the LinkedIn platform and testing tools.

Communication:

Regular status meetings for progress updates.

Instant messaging for real-time communication.

**7. Test Deliverables:**

Test Plan

Test Cases

Automated Test Scripts

Test Execution Reports

Defect Reports

Performance Test Reports

Security Test Reports

Usability Test Reports

Final Test Summary Report

**8. Exit Criteria:**

95% or higher test case execution coverage.

Zero critical defects in the production environment.

Performance benchmarks met.

Security vulnerabilities addressed.

Approval from stakeholders based on the final test summary report.

**9. Test Scenarios**

**9.1-User Authentication and Authorization:**

1-Test user login and registration functionality.

2-Verify two-factor authentication if available.

3-Check session management and logout functionality.

**9.2-Test profile creation and editing:**

1-Validate profile completeness and accuracy.

2-Ensure privacy settings are working as expected.

**9.3-Connections and Networking:**

1-Test connection requests and acceptance.

2-Verify the visibility of connections and the news feed.

3-Validate messaging functionality.

**9.4-Job Search and Recommendations:**

1-Test job search functionality.

2-Verify job recommendations based on user profile.

3-Check application and resume submission.

**9.5-Groups and Communities:**

1-Test joining and leaving groups.

2-Validate group posts and discussions.

3-Ensure proper notifications for group activities.

**9.6-Content Sharing and Engagement:**

1-Test posting updates and articles.

2-Verify comments, likes, and shares functionality.

3-Check the visibility of shared content.

**9.7-Notification System:**

1-Test notifications for connection requests, messages, and updates.

2-Verify push notifications and in-app notifications.

3-Ensure the notification settings are customizable.

**9.8-Search Functionality:**

1-Test search functionality for people, jobs, and content.

2-Validate advanced search filters.

3-Check the accuracy and relevance of search results.

**9.9-Security and Privacy:**

1-Test for data encryption during transmission.

2-Validate account recovery and password reset.

3-Ensure proper handling of sensitive information.

**9.10-Performance and Compatibility:**

1-Test application performance under different network conditions.

2-Verify compatibility with various devices and screen sizes.

3-Check for memory leaks and resource utilization.

**9.11-Feedback and Support:**

1-Test the feedback and reporting features.

2-Verify the support or help center functionality.

3-Ensure a proper process for reporting bugs and issues.

**9.12-Integration with External Services:**

1-Test integration with third-party services (e.g., email, calendar).

2-Verify proper handling of linked accounts.

3-Test sharing features with other applications.

**10. Prioritization:**

**10.1-User Authentication and Authorization:** Critical - Any issues can compromise user data and security.

**10.2-Connections and Networking**: High - Core functionality for user engagement.

**10.3-Profile Management:** High - Accuracy and completeness of user profiles are crucial.

**10.4-Notification System:** Medium - Impact on user engagement and communication.

**10.5-Job Search and Recommendations:** Medium - Important for users seeking job opportunities.

**10.6-Content Sharing and Engagement:** Medium - Essential for user interaction and content visibility.

**10.7-Search Functionality:** Medium - Affects the user experience in finding relevant content and connections.

**10.8-Groups and Communities:** Low - Important for user engagement but not as critical as other features.

**10.9-Performance and Compatibility:** Low - Enhances overall user experience but not critical.

**10.10-Security and Privacy:** Critical - Ensuring the protection of user data and privacy.

**10.11-Feedback and Support:** Low - Important for user satisfaction but not as critical as core functionalities.

**10.12-Integration with External Services:** Low - Enhances user experience but not critical for basic functionality.