Non-Functional Requirements

Sample for Social Networking Mobile Application

1. Performance

- The app should load the main screen within 3 seconds on average devices.
- Profile and feed images must appear within 2 seconds after entering the feed view.
- All user actions should provide feedback within 1 second.

2. Scalability

- The system must support up to 100,000 concurrent users without degradation of service.
- Database should be capable of handling growth to 10 million registered users.

3. Availability

- The application should ensure 99.5% uptime per month.
- Maintenance windows must be pre-announced and occur outside of peak usage hours.

4. Security

- User data must be stored using industry-standard encryption.
- All API endpoints require authentication using OAuth 2.0.
- App must support biometric or PIN-based authentication for login.

5. Usability

- The interface should be intuitive and require no more than 2 taps to access primary features.
- The app should provide accessibility features for visually impaired users.

6. Compatibility

- The app must function on Android 10 and above, and iOS 13 and above.
- The application must support both portrait and landscape orientations.

7. Maintainability

- Codebase should follow modular structure and conform to company coding guidelines.
- The system should support hotfix deployment with minimal downtime.

8. Localization

- The app must support at least English, Spanish, and French languages.
- All user-facing text should be externalized for easy translation.