Software Quality Assurance Plan

# Friend Finder Mobile Application

## Prepared By: Nielsen Enterprises

## Prepared For: social media Corp

## Approved By: Scott Wood

## Authors: Soren Nielsen

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### Table of Contents:

[Version history: ii](#_Toc188019355)

[Table of Contents: iii](#_Toc188019356)

[Table of figures: iv](#_Toc188019357)

[1.Purpose and scope: 1](#_Toc188019358)

[2. Definitions and acronyms: 2](#_Toc188019359)

[3. Reference documents: 2](#_Toc188019360)

[4. SQA plan overview: 2](#_Toc188019361)

[4.1 Organization and independence: 2](#_Toc188019362)

[4.2 Software product risk: 2](#_Toc188019363)

[4.3 Tools: 2](#_Toc188019364)

[4.4 Standards, practices, and conventions: 2](#_Toc188019365)

[4.5 Effort, resources, and schedule: 2](#_Toc188019366)

[5. Activities, outcomes, and tasks: 2](#_Toc188019367)

[5.1Product assurance: 2](#_Toc188019368)

[5.1.1 Evaluate plans for conformance: 2](#_Toc188019369)

[5.1.2 Evaluate product for conformance: 2](#_Toc188019370)

[5.1.3 Evaluate product for acceptability: 2](#_Toc188019371)

[5.1.4 Evaluate product life cycle support: 3](#_Toc188019372)

[5.1.5 Measure products: 3](#_Toc188019373)

[5.2 Process assurance: 3](#_Toc188019374)

[5.2.1 Evaluate life cycle processes: 3](#_Toc188019375)

[5.2.2 Evaluate environments for conformance: 3](#_Toc188019376)

[5.2.3 Evaluate subcontractor processes for conformance: 3](#_Toc188019377)

[5.2.4 Measure processes: 3](#_Toc188019378)

[5.2.5 Assess staff skill and knowledge: 3](#_Toc188019379)

[6. Additional considerations: 3](#_Toc188019380)

[6.1 Contract review: 3](#_Toc188019381)

[6.2 Quality measurement: 3](#_Toc188019382)

[6.3 Waivers and deviations: 3](#_Toc188019383)

[6.4 Task repetition: 3](#_Toc188019384)

[6.5 Risk to performing SQA: 3](#_Toc188019385)

[6.6 Communications strategy: 4](#_Toc188019386)

[6.7 Non-conformance process: 4](#_Toc188019387)

[7. SQA records: 4](#_Toc188019388)

[7.1 Analyze, identify, collect, file, maintain, and dispose: 4](#_Toc188019389)

[7.2 Availability of records: 4](#_Toc188019390)

### Table of figures:

### 1.Purpose and scope:

**Purpose:**

The purpose of this Software Quality Assurance Plan (SQAP) is to define the quality assurance processes, standards, and activities necessary to ensure that the Friend Finder Mobile Application meets its specified requirements and achieves high levels of quality. The SQAP outlines the approach for verifying and validating that the software adheres to agreed-upon quality standards, ensuring its reliability, usability, and maintainability. This document serves as a guideline for the project team, stakeholders, and contractors involved in the development and maintenance of the Friend Finder application.

This SQAP aims to:

* Clearly define the scope and purpose of quality assurance for the project.
* Ensure all team members and stakeholders understand their roles in delivering a high-quality product.
* Address and mitigate potential product risks through planned SQA activities.

**Scope:**

The Friend Finder Mobile Application is a cross-platform friend-finding app designed to help individuals connect with like-minded people based on shared interests, proximity, and preferences. The software will provide functionalities such as:

* User profile creation and customization
* Interest-based matching
* Swipe-to-connect functionality
* In-app messaging and group chat features
* Event and activity planning tools

The application is intended for use by individuals looking to expand their social networks or find activity partners. It will support iOS and Android platforms and must comply with data privacy regulations such as GDPR and CCPA.

The scope of this SQAP includes quality assurance activities for all phases of the software development life cycle (SDLC), including:

Requirements gathering and analysis

* System design
* Implementation
* Testing
* Deployment
* Maintenance

This SQAP leverages the Concept of Operations (CONOPS) document, which provides a high-level overview of the system’s intended functionality, to ensure that quality assurance activities align with the operational goals and user expectations.

This SQAP is applicable to all subcontractors and third-party vendors involved in the project. All external parties must comply with the quality standards defined in this document and ensure their deliverables meet the required acceptance criteria.

### 2. Definitions and acronyms:

* GDPR (General Data Protection Regulation): A regulation in European Union law on data protection and privacy, aimed at giving individuals control over their personal data.
* CCPA (California Consumer Privacy Act): A state-wide data privacy law that provides residents of California with rights to manage the personal information collected by businesses.
* SDLC (Software Development Life Cycle): A process followed for software development, including phases such as requirements, design, development, testing, and maintenance.

### 3. Reference documents:

* Contract between Nielsen Enterprises and Social Media Corp: Signed on January 1, 2025, detailing the scope, deliverables, budget, and timeline for the Friend Finder Mobile Application.

### 4. SQA plan overview:

#### 4.1 Organization and independence:

#### 4.2 Software product risk:

#### 4.3 Tools:

#### 4.4 Standards, practices, and conventions:

#### 4.5 Effort, resources, and schedule:

### 5. Activities, outcomes, and tasks:

#### 5.1Product assurance:

##### 5.1.1 Evaluate plans for conformance:

##### 5.1.2 Evaluate product for conformance:

##### 5.1.3 Evaluate product for acceptability:

##### 5.1.4 Evaluate product life cycle support:

##### 5.1.5 Measure products:

#### 5.2 Process assurance:

##### 5.2.1 Evaluate life cycle processes:

##### 5.2.2 Evaluate environments for conformance:

##### 5.2.3 Evaluate subcontractor processes for conformance:

##### 5.2.4 Measure processes:

##### 5.2.5 Assess staff skill and knowledge:

### 6. Additional considerations:

#### 6.1 Contract review:

#### 6.2 Quality measurement:

#### 6.3 Waivers and deviations:

#### 6.4 Task repetition:

#### 6.5 Risk to performing SQA:

#### 6.6 Communications strategy:

#### 6.7 Non-conformance process:

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#### 7.1 Analyze, identify, collect, file, maintain, and dispose:

#### 7.2 Availability of records: