Software Requirement Specification

For

Android LAN Messenger

Version 1.0

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**1.1 Software Requirements Specification**

Software Requirements Specification (SRS) is a comprehensive description of the intended purpose and environment for software under development. The SRS fully describes what the software will do and how it will be expected to perform.

The output of the requirements phase of the software development process is Software Requirements Specification (SRS) (also known as requirements document). This document lays a foundation for software engineering activities and is created when entire requirements are elicited and analyzed.

**1.1.1 Purpose**

To provide easy, efficient, secure, cost effective and reliable communication in an intra-net.

**1.1.2 Scope**

By install a Android LAN messenger program in an organization, the instant messaging system composes a centralized contact list which will provide the list of all authorized users of the application. Its mainly used in organizations which don't want to connect to the Internet because of security reasons. So, Android LAN Messenger is an effective application to convey messages instantly to the employees in case of sudden changes in plan or in taking important decisions. It is mainly used for people who can't afford Internet connection. It is very secure and reliable way of communication because the information remains inside the organization.

**1.1.3 Hardware Requirements**

* **RAM:** minimum 128 MB
* **Hard Disk:** minimum 5 GB
* **Screen resolution:** 1280x800 minimum screen resolution
* **Processor:** Intel Pentium 4 or higher

**1.1.4 Software Requirements**

* **OS Version:** Microsoft Windows XP and above
* **Java version:** Java Development Kit (JDK) 8
* **Softwares**: intel xdk, web sockets, material design, MySql

**1.1.5 Functional Requirements and Non-Functional Requirements.**

**Functional Requirements:**

The app should work with in the given network.

The app should provide peer to peer functionality effectively and efficiently.

The app should provide group chat functionality effectively and efficiently.

It should have details and contacts of the people working in organization.

It should provide good security.

**Non-Functional Requirements:**

The tool should be easy to use.

The tool should provide an good and attractive user interface.

The tool should never fail in the middle of operation.

The tool should work consistently across the platforms.

The response time of the tool should be acceptable.

Each user’s activity should be separated from the other user’s activities.