

# Requirements Document

## 1 Introduction

### 1.1 Purpose

This document describes the software functional and nonfunctional requirements for the version 1.0 of the Chat Without Internet (CWI). This document is intended to be used by the members of the project team that will implement and verify the correct functioning of the system. Unless otherwise noted, all requirements specified here are high priority and committed for version 1.0.

### 1.2 Project features

The CWI will permit an opportunity to create a point to point connection by Wi-Fi protocol between two android-smartphones and to write messages each other without connecting to the Internet.

## 2 User Requirements

### 2.1 Software Interfaces

Java.

### 2.2 User Interfaces

The CWI will interact with the user through a graphical interface.

### 2.3 User Characteristics

A user must have a smartphone with android operating system.

### 2.4 Assumptions and Dependencies

DE : The system depends on restrictions of Wi-Fi protocol (working distance, network speed).

## 3 System Requirements

### 3.1 Functional Requirements

1. CWI should have the start page with opportunity to enter new nickname, it should have input field.
2. CWI should have the page to choose a companion from waiting list.
3. CWI should have the page to allow the connection.
4. CWI should have the page for messaging, it should have input field and a list of messages.

### 3.2 Non-Functional Requirements

#### 3.2.1 SAFETY REQUIREMENTS

CWI should have continuous Wi-Fi connection for the correct work of the system.

#### 3.2.2 SECURITY REQUIREMENTS

No security requirements have been identified.

#### 3.2.3 SYSTEM REQUIREMENTS

CWI must be supported by versions of android 4.0 and above.