

# Instant Messaging

# Introduction

- ❖ The Android SDK provides us with various capabilities that allow us implementing instant messaging capabilities into our application.

# GTalk Support

- ❖ The Android SDK first releases included the support for using the GTalk messaging service from within our code.
- ❖ Due to security reasons that support was removed.

# Wi-Fi Direct

- ❖ Wi-Fi Direct allows android devices to connect directly to each other via Wi-Fi without an intermediate access point.
- ❖ The support for Wi-Fi direct was added into the Android 4.0 platform and it requires specific hardware.
- ❖ Using the Wi-Fi Direct APIs, you can discover and connect to other devices across distances much longer than a Bluetooth connection.

# Session Initiation Protocol

- ❖ The Android platform supports the Session Initiation Protocol (SIP). It includes a full SIP protocol stack.
- ❖ We can use the SIP protocol for developing VOIP applications.