

OSNAP

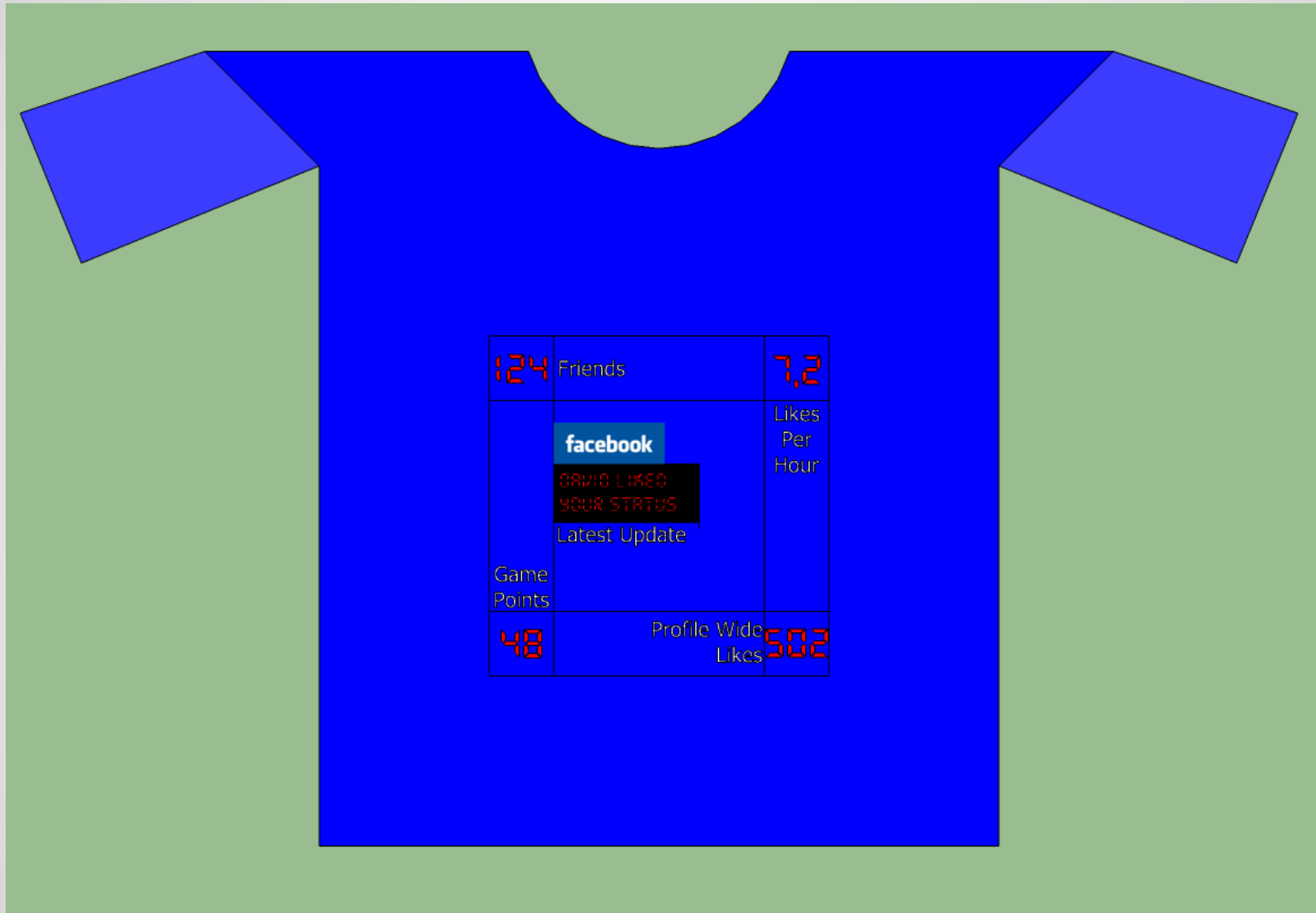
Open-source Social Network Arduino Platform



What is OSNAP?

1. Arduino, Android and social networks.
2. Developer tools: ComLib and SocialLib
3. Tangible prototypes

Concept: Facebook T-Shirt



Concept: Facebook Mailbox



Scenario: OSNAP Market

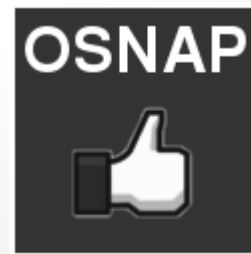
Prototype: OSNAP Jacket

1. QR Tag in Jacket
2. Sound, Vibration, LCD and LED
3. Arduino and Bluetooth technology
4. Powered by battery



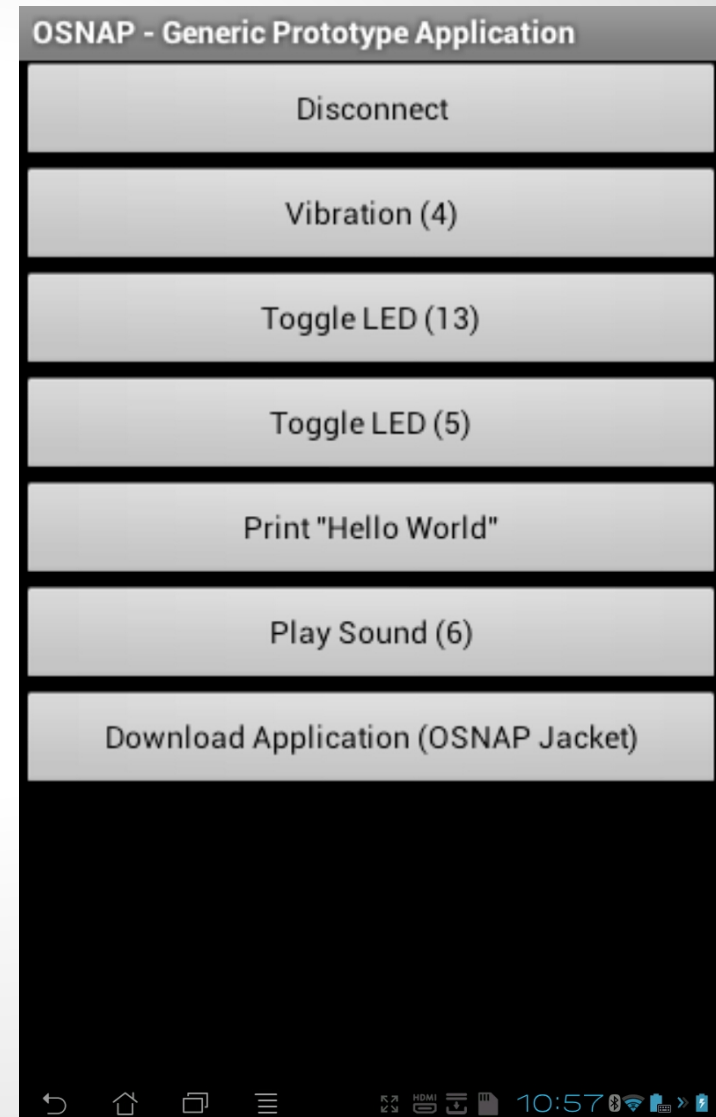
The OSNAP Market

1. One generic OSNAP application
2. Other more specialized prototype apps
3. Services and dependencies





Generic OSNAP Application



OSNAPMARKET

Apps

OSNAP(app)



Generic app for testing OSNAP-compatible arduino products.

[Install](#)[Barcode Scanner \(Google Play\)](#)

JacketApp



This is our main prototype and will showcase a lot features. It consists of a T-Shirt or sweater connected to a Lilypad Arduino that will feature several displays and indicators which will receive social data from the Android phone.

[Install](#)[OSNAP\(app\)](#)[FacebookService](#)[TwitterService](#)

TemperatureApp

This prototype will primarily showcase the communication from Arduino to Android using our libraries. The



OSNAP Jacket Application

TshirtApp

Connection Status

Not connected to Arduino

Connect to Arduino

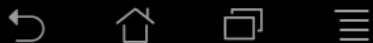
SocialServices

Social Services found:

None

Search Social Services

Rules





OSNAP Jacket Application

TshirtApp

Connection Status

Is connected to Arduino

Connect to Arduino

Disconnect

SocialServices

Social Services found:

App will get data from Facebook



OSNAP Jacket Application

no.ntnu.osnap.tshirt.ActivityRulesEdit

Rule Name

RuleName

Rule Output

getLoggedInUser:getName will be sent to outputDisplay

Set Output

Filters

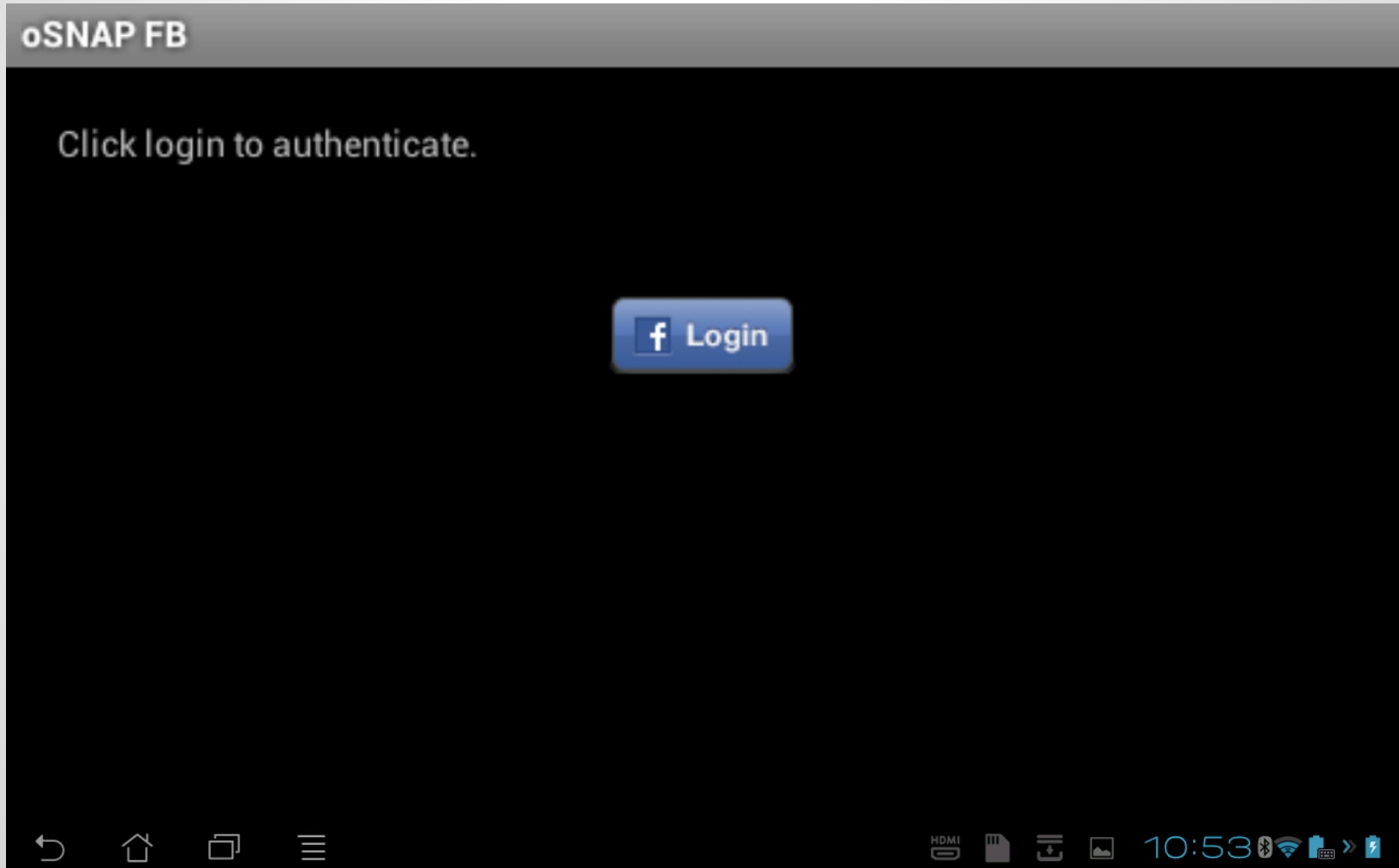
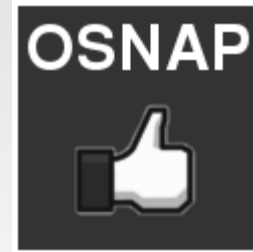
getLoggedInUser:getName:!:pppppppp



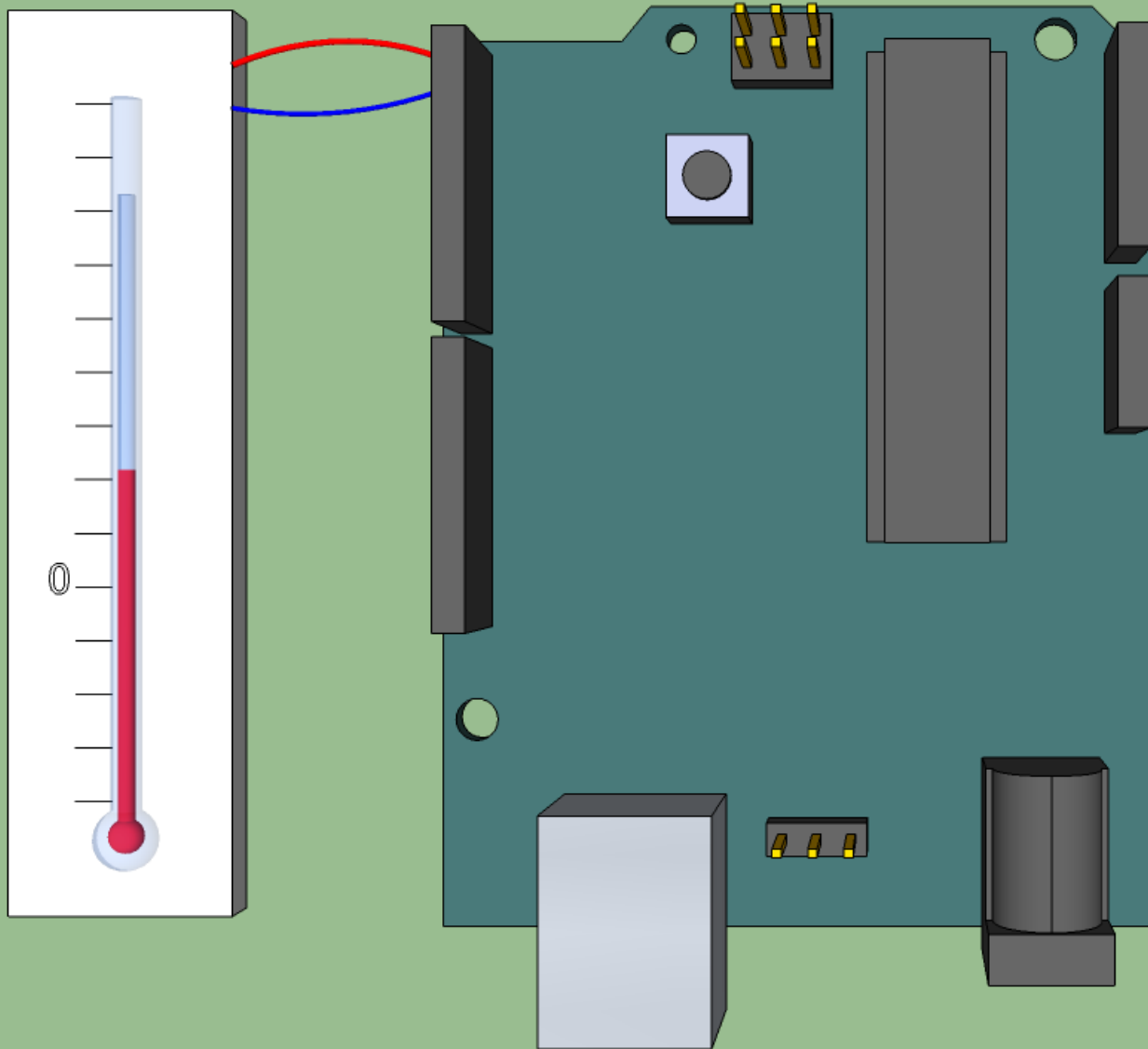
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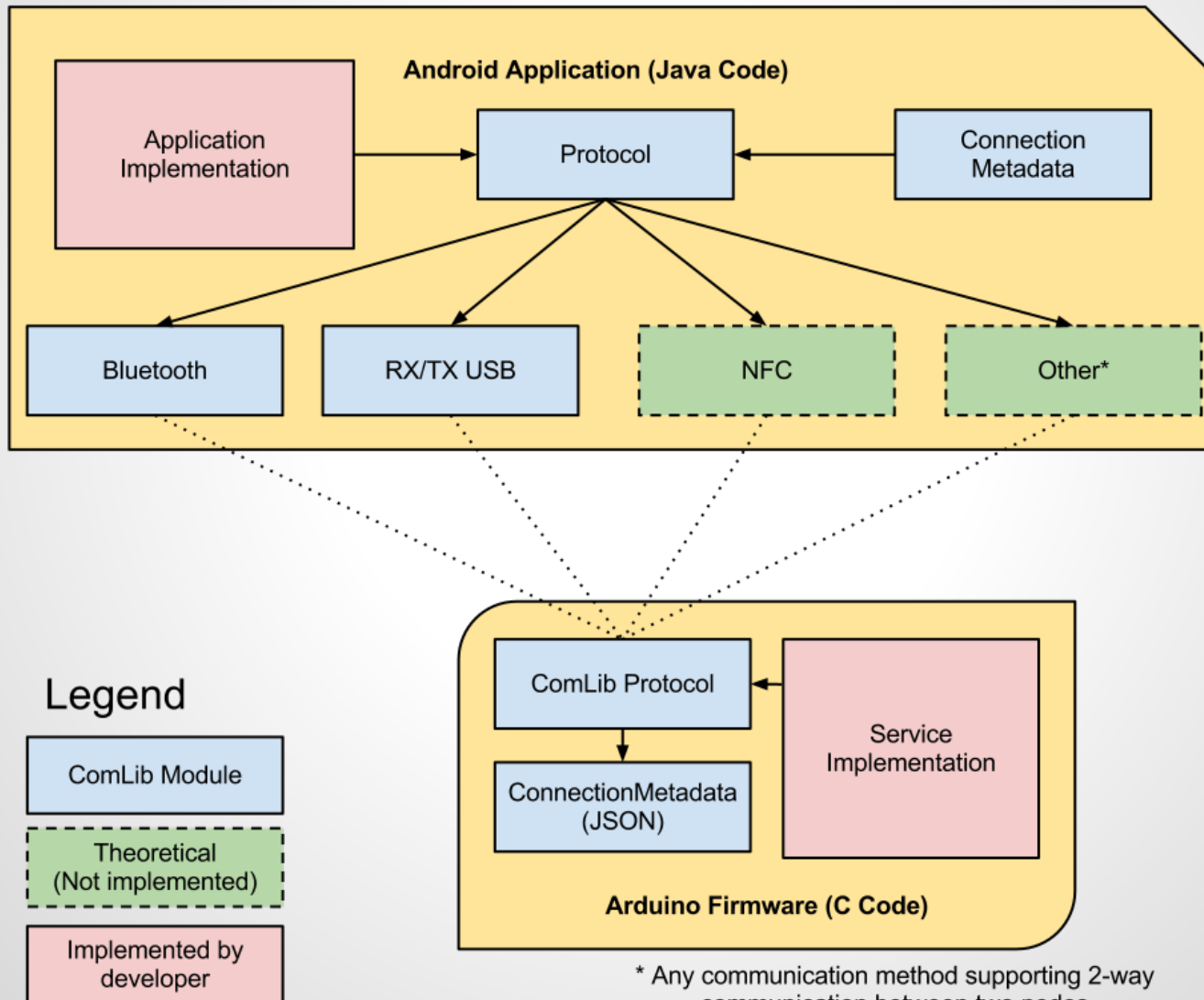
Social Services



Temperature Measure



ComLib



Jacket Demonstration

Questions?