Mobell

NodeMCU Applied IoT example

Espressif ESP8266

NodeMCU is created from the Espressif ESP8226 Wifi Controller.

Arduino like, it is a Wifi Controller mated with a MCU.

Can use Espressif firmware/SDK with Lua or Arudino

LUA: https://github.com/nodemcu/nodemcu-firmware

Arduino: http://www.instructables.com/id/Quick-Start-to-Nodemcu-ESP8266-on-Arduino-IDE/

Mobell Application

GPIO is connected to Door-bell contact and relay to ring door bell.

Mobell IoT device announces itself using mDNS.

Android Application looks for Mobell(s). Then registers to local Mobell.

Mobell will announce registration to other registered devices.

Application rings to tell the user that someone has entered the network.

Android NSD

Application looks for "mobell" service and calls /reg

Communicates "Device ID" to Mobell, device ID will be used to filter on the application for relevant events.

TODO: Add logic in application to provide a trigger when specific devices register or un-register.

https://developer.android.com/training/connect-devices-wirelessly/nsd.html#discover

More to come

This is very early project, more to come....

Questions?