ICT1003

Tasking and changelog

Project Design concept:

1. To get a proper transmission-receiver communication between Android application and Tinyduino device via Bluetooth
2. With a proper communication to and from the Android application and Tinyduino device
   1. Able to implement run functions IF received on either side
3. IDEA:
   1. On Bluetooth communication receive, Tinyduino will display message sent by Android application

Summary:

When user press the button on the phone,

- Watch will light up and

- Display on screen

and the person with the watch responds to door bell

- Send a notification to the watch

- LED light up

Android Java XML - send sms to android app user when tinyduino responds

Android Java XML + Tinyduino

- Android Java XML app will send bluetooth transmission message to watch

- If watch responds, watch will send a notification message via bluetooth to Android

- Hardcoded Message

Tasking and Dates

Kel vyn

Terrence Tinyduino: Post-receive functions

i.e.

- IF Bluetooth signal is received,

\* events here

Tricia

Long Xian Tinyduino: Post-receive functions

i.e.

- IF Bluetooth signal is received,

\* events here

Justin

Zachary Android-Tinyduino Transmission-Receiver Communication

* Android send message + signal to Tinyduino
  + Tinyduino receives message + signal
    - Event if received here
* Tinyduino send message + signal to Android application
  + Android application receives message + signal
    - Event if received here

Updates as of [2019/11/19 0945]

What we have:

1. Able to receive bluetooth message from android phone - using Nrf UART v2.0

2. Able to make Tinyduino blink from Android phone - using Nrf UART v2.0

Question?

1. How to get the tinyduino to send message to Android - Function in UART passthrough

- Hardcode message to send to Android for notifications via Bluetooth