Write a broadcaster program run on [nRF52840 Development KIT](https://www.nordicsemi.com/?sc_itemid=%7B6BECB3CF-00F7-4B2D-8553-F1AD6AC458EF%7D) or [nRF52833 Development KIT](https://www.nordicsemi.com/Products/Development-hardware/nrf52833-dk)

Project: Code push to github

IDE: Clion

nRF SDK version: Lasted

More information:

* You can use and modify the example of the NRF SDK

Requirement:

* App have two button “START” and “STOP”
* When the user presses the “START” button. App will start to broadcast advertising data and host a GATT server.
* When the user presses “STOP”. App will stop broadcasting advertising data and stop the GATT server.

Advertising data requirement:

* Frequency: 10Hz
* Device name: SafeTrust
* Service UUID: fb280000-c491-405c-a910-869997153a4f

GATT server requirement:

* 1 Primary Gatt Service contain 1 Gatt Characteristic, that Gatt Characteristic contain 1 Gatt Descriptor
* Service UUID: fb280000-c491-405c-a910-869997153a4f
* Gatt Characteristic UUID: fb282a37-c491-405c-a910-869997153a4f. Characteristics have properties: Read, Write, Notify, WriteNoResponse. Characteristic has permission: Read, Write
* Gatt Descriptor: fb282902-c491-405c-a910-869997153a4f. Descriptor has permission: Read, Write