

# Michelle Advincula

## EDT 194 -- Week 7: MakeCode Micro:bit Unit Project

### *Part 3: Video and Reflection*

Write a reflection of about 250–300 words, addressing the following points:

My partner (Marx) and I decide to create a project that incorporates a radio communication between two Micro:bits. So we ended up doing an alarm system for a jewelry box that uses one Micro:bit to set the alarm and the other Micro:bit to disarm the alarm.

Our project uses a jewelry box that is connected to Micro:bit 1. Once this box is opened then an alarm will go off that will send a radio communication to Micro:bit 2. Micro:bit 2 on the other hand will take care of turning off the alarm. Micro:bit 2 has an LED attached to it so when the signal has been sent the LED on Micro:bit 2 will light up, then you can turn the alarm off by pressing Button B on Micro:bit 2.

I am proud of how the signal between the two Micro:bits worked well. It took a little trial and error to adjust sounds/music that fits with the alarm but everything went smoothly as planned.

One of the challenges we faced is figuring out how will the two Micro:bits communicate with each other. After watching several videos on the Micro:bit website, we were able to make it work. Another challenge is the fact that when we made changes to the program of one Micro:bit we need to check how that will affect the other one and adjust both programs accordingly.

The feedback I hope to get from other students during the in-person class is what other extensions can we add to this project to make it more useful and/or entertaining.