Design Document for ESP32toProcessing

Information

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ART 385
Assignment: ESP32toProcessing
Due Date: 16 April 2020

Restated Assignment

This Processing file uses ESP32 in conjunction with Processing to display interactive elements that respond to physical controls. It required a button and potentiometer to operate.

The Processing file, when run, displays a smiley face within a circle. Adjusting the value of the potentiometer changes both the circle color, circle size, and background color. Pressing the button adjusts the smiley's expression.

Reflections

I think that the requirements for this assignment were simple enough to make it a good transition for implementing ESP32 with Processing. The key "difficulty" here, or rather the most cumbersome matter to be dealt with, was re-acquainting myself with initializing shapes in Processing, as well as going back to dealing with matters of positioning things on the screen.

One minor issue was that my code didn't work properly with "else if" conditions, but did with plain "ifs." I'm not sure why that is.

Video: https://vimeo.com/410550889