

Kevin Tavara

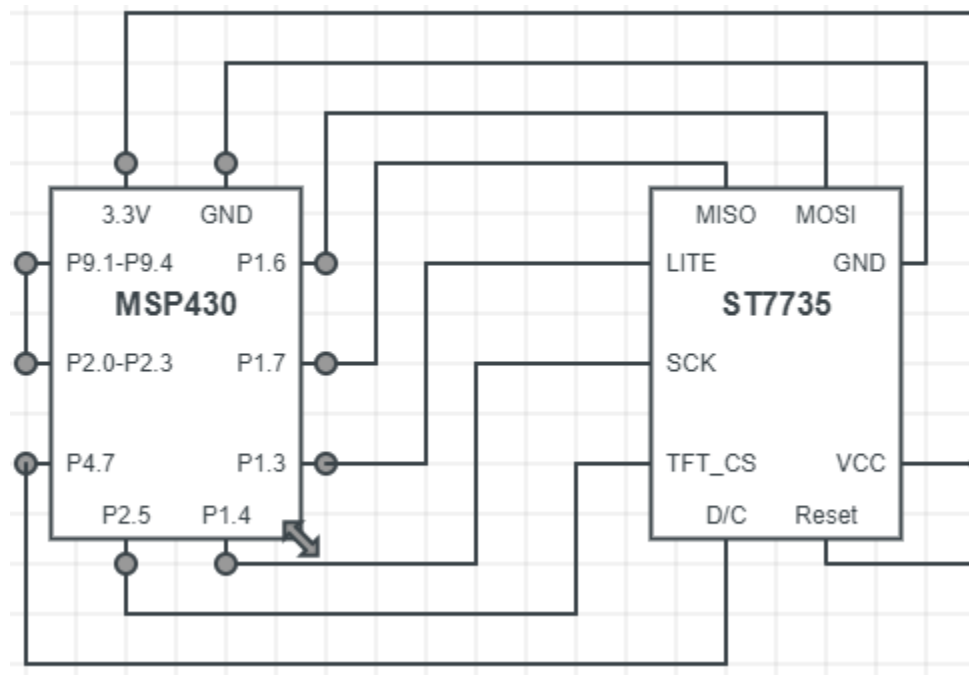
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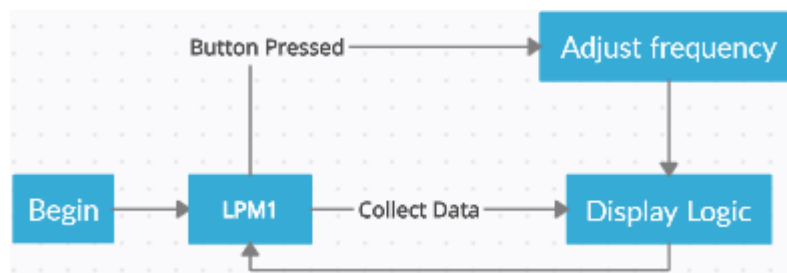
### Lab 9: Logic Analyzer

**Introduction:** The purpose of this lab is to implement a program that will constantly analyze 4 input signals and plot them using the LCD. There will be 2 buttons that need the functionality of increasing or decreasing the frequency.

#### Hardware Design:



#### Software Design:



**Conclusions:** I successfully managed to implement all the desired functions of the lab. The buttons change the frequency of the timer and the LCD displays the signals.

**Demo Video:** <https://youtu.be/rWyOk19lmd4>