

ENSE 352 Project Hardware Setup

We start off by following this circuit but instead of using the LEDs, and the buttons, we will substitute it with the 4 way switch, and the 7 segment display, instead of the LEDs. there is however a catch, in the pictures below, you will see that I have 2 resistors, which was required to setup the 7 segment display, I personally have them setup to pins A0, A1, A2, A3 on the left side of the f103rb, then on the right side to D12, D11, and D8 in that exact order, once thats complete you must make sure that the wiring is exactly the same to how they are displayed in the circuit as the code is configured to certain pins and ports. The switches are hooked up to D5, D10, D15, D14, in that order as it is required for the switches and 7 segment display to operate according to the code. Once that is complete make sure that you are using 271 Ohm resistors for the 7 segment display setup, and 103 (10K) resistors for the setup of the 4 way switches.









