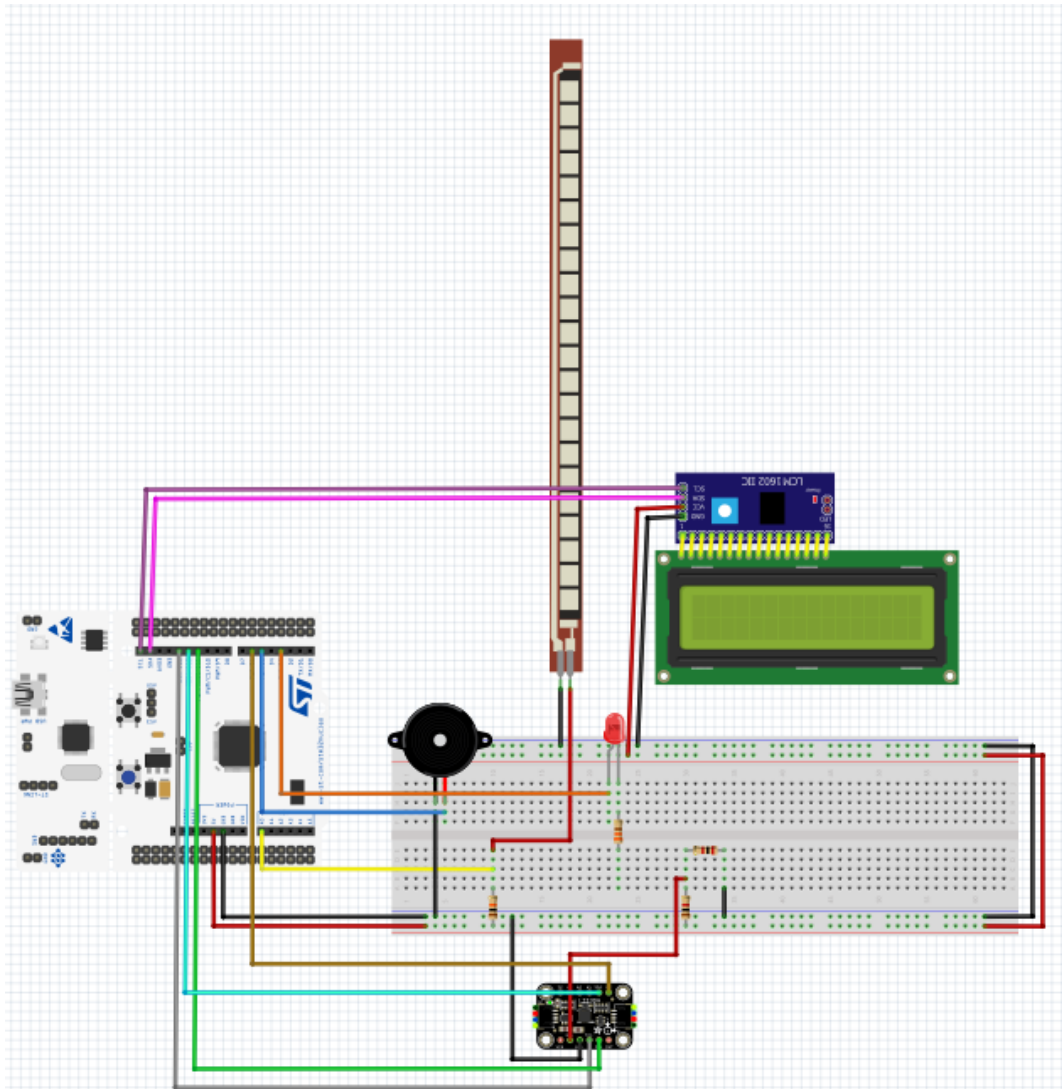


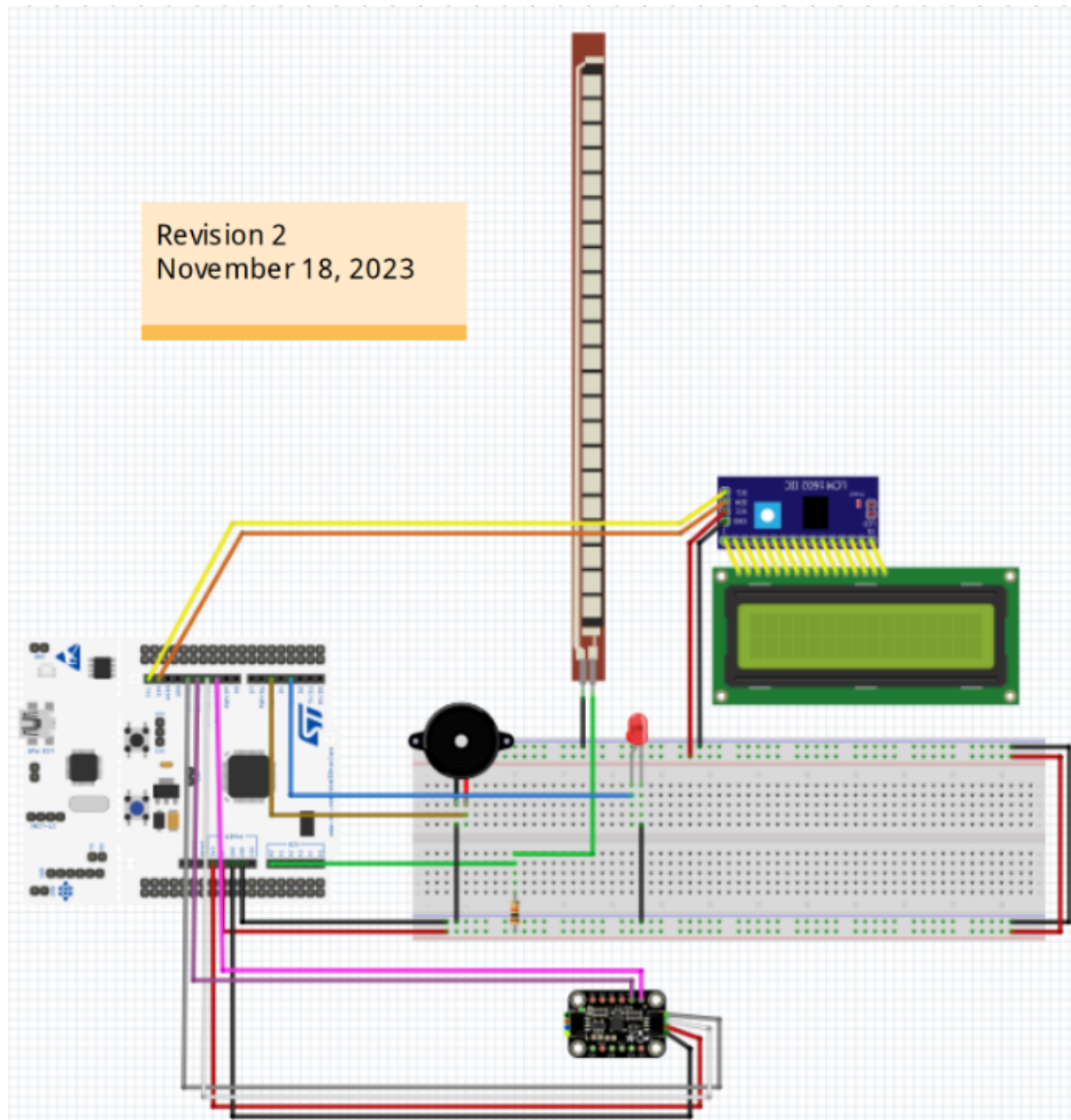
## Anti Back Slouch Reminder Electrical Schematic Revision Log:

Initial Condition (October 31, 2023)



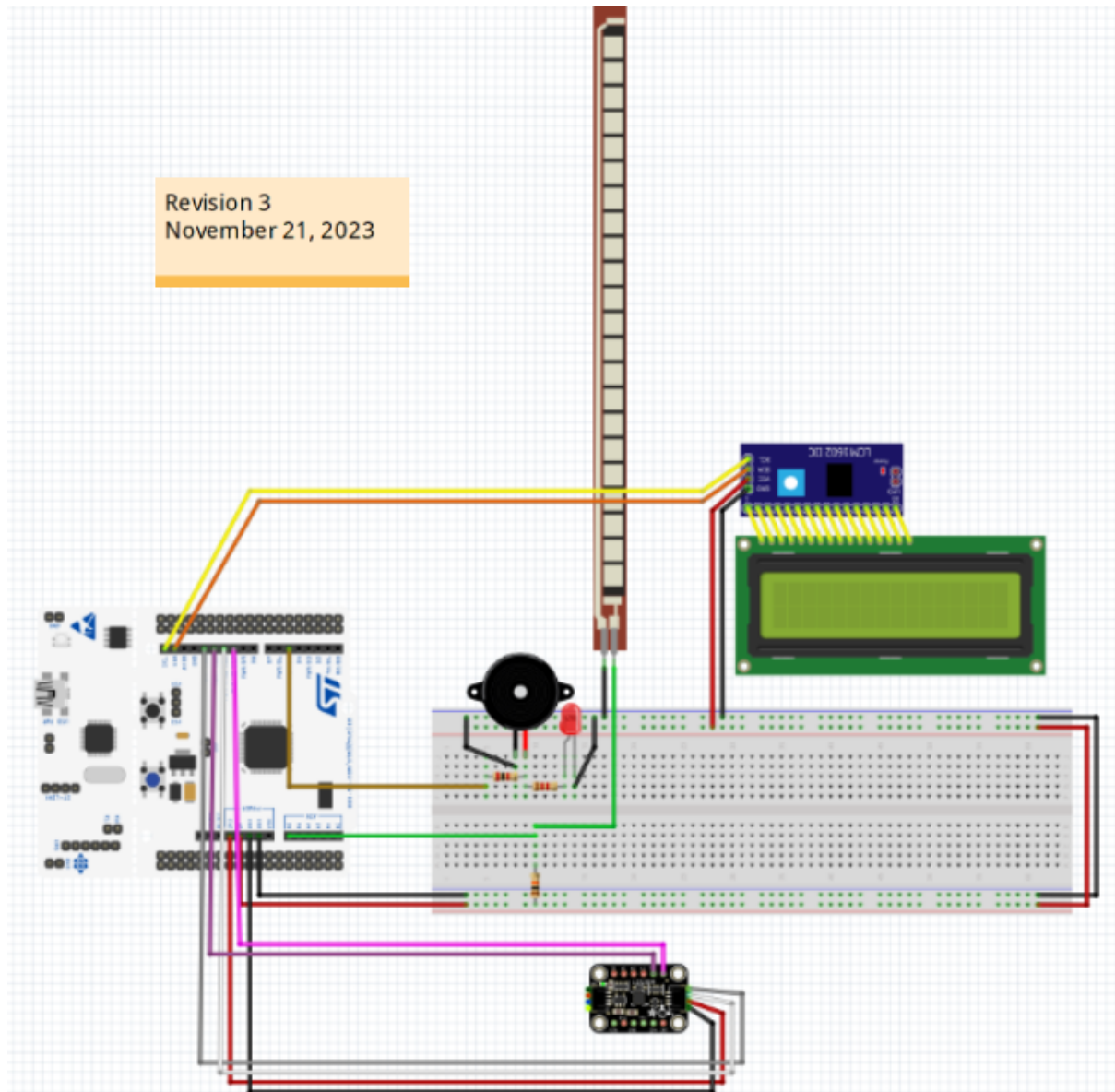
Created a schematic using Fritzing to simulate the connection between our input and output devices.

Revision 1 (November 18, 2023)



- Altered the connections with the accelerometer port to use a purchased cord to connect Vin, GND, SCL, and SDA to the microcontroller rather than the soldered ports (the microcontroller was overheating, likely due to faulty solder).
- Removed the voltage divider and connected Vin straight to the 3v3 port on the microcontroller.
- Corrected a mistake on the initial revision: Cs pin (accelerometer) was moved from D4 to CS (microcontroller).

Revision 2 (November 21, 2023)



- Inserted a 2k ohm resistor with the buzzer to reduce the volume
- Abandoned a separate LED OUTPUT pin and used the same voltage provided to the buzzer for the LED.
- Included a 1.2k ohm resistor to ensure that the LED is operating safely.