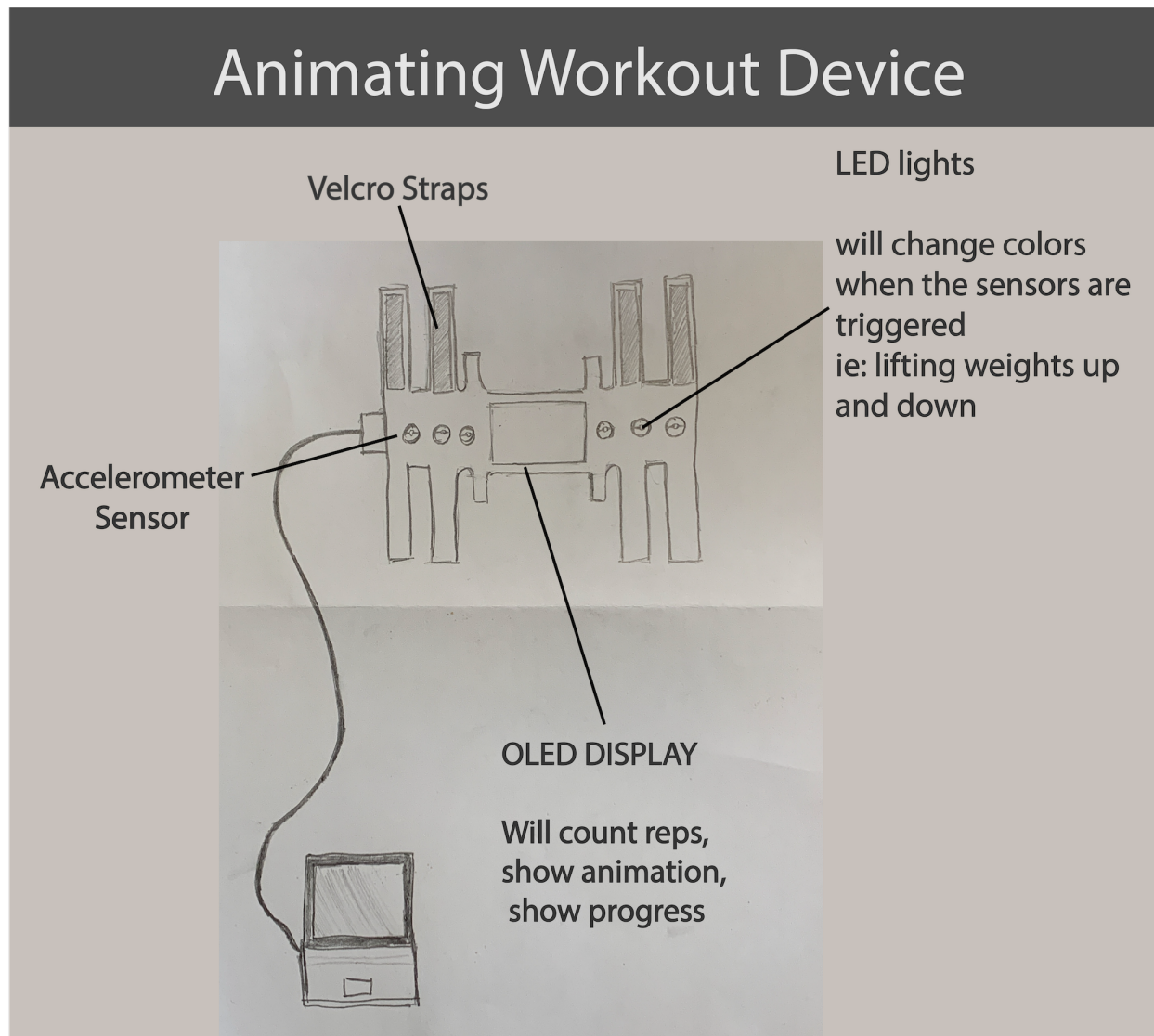


Kelvin Dizon
Art 106 Prototype
Proposal & Sketches

I want to make an electronic device that I can attach to my workout equipment such as dumbbells & bench press bar. This device will react to the movement my workout equipment, and at the same time, count the number of reps for my exercise session.

I'm also using an accelerometer sensor, an oled display, and led lights for this project.

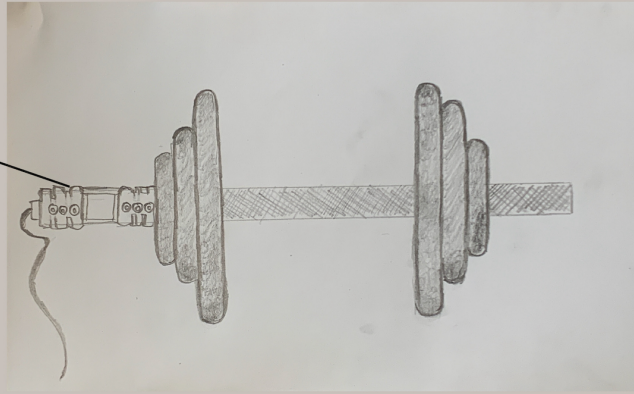
My idea of making this project is I want to make it more exciting for me and hopefully, other people to workout rather the old fashion way of just counting your reps.



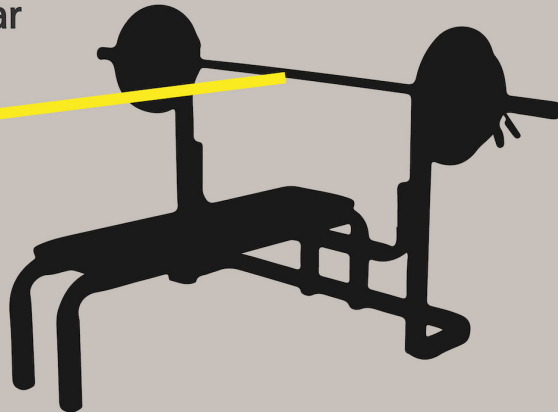
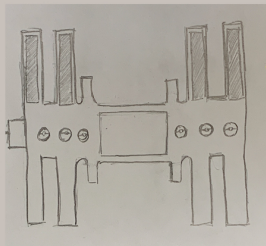
Animating Workout Device

Simply attach it your dumbbells and watch it:

Count your reps
Animate
LED lights flash



Attach to bench press bar



Shopping list:

- **Display choices**
 - <https://www.adafruit.com/product/2719> - \$39.95
 - <https://www.adafruit.com/product/2675> - \$39.95
 - <https://www.adafruit.com/product/714> - \$24.95

- **LED**

- <https://www.adafruit.com/product/3377> - \$3.95 pack of 5
- <https://www.adafruit.com/product/1312> - \$7.95 pack of 4
- Neopixel I can buy from you. I need about 6 (I prefer this because I already know how to use them)

- **Haptic**

- <https://www.adafruit.com/product/1201> - \$1.95

- **Accelerometer**

- I need help with this. I prefer to use the one that you gave since I already know how to use it.