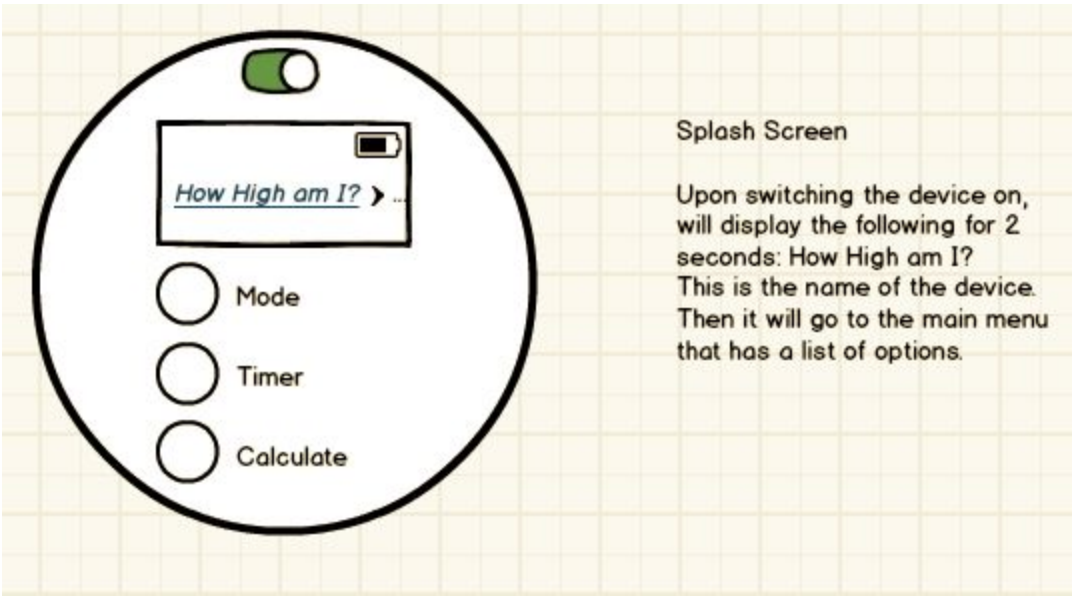
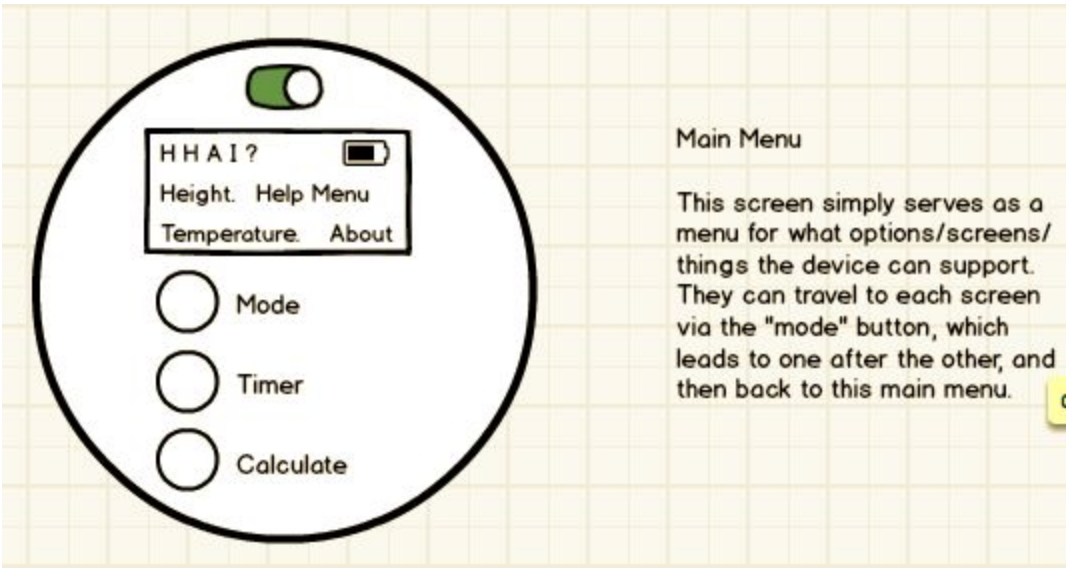
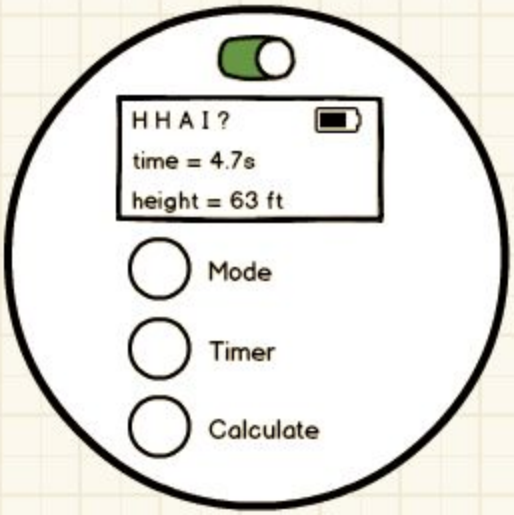
- Wireframe Storyboard

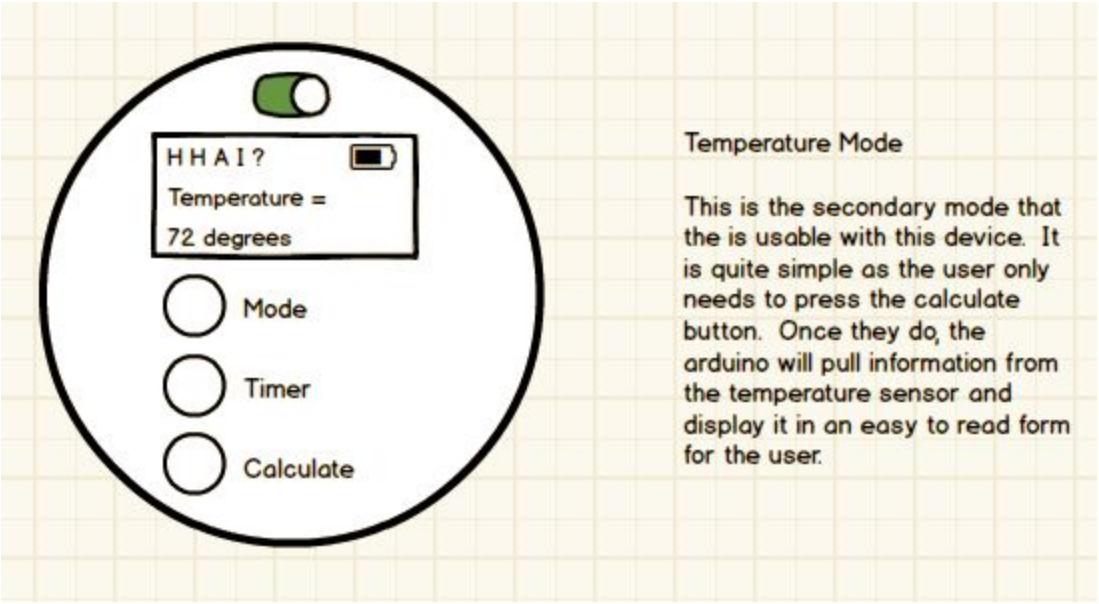


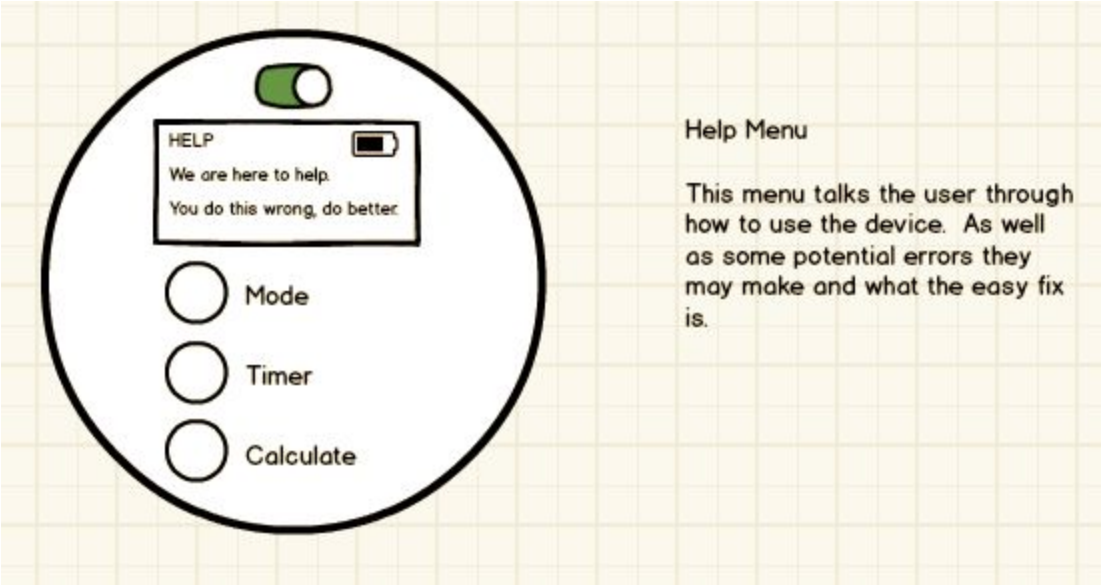




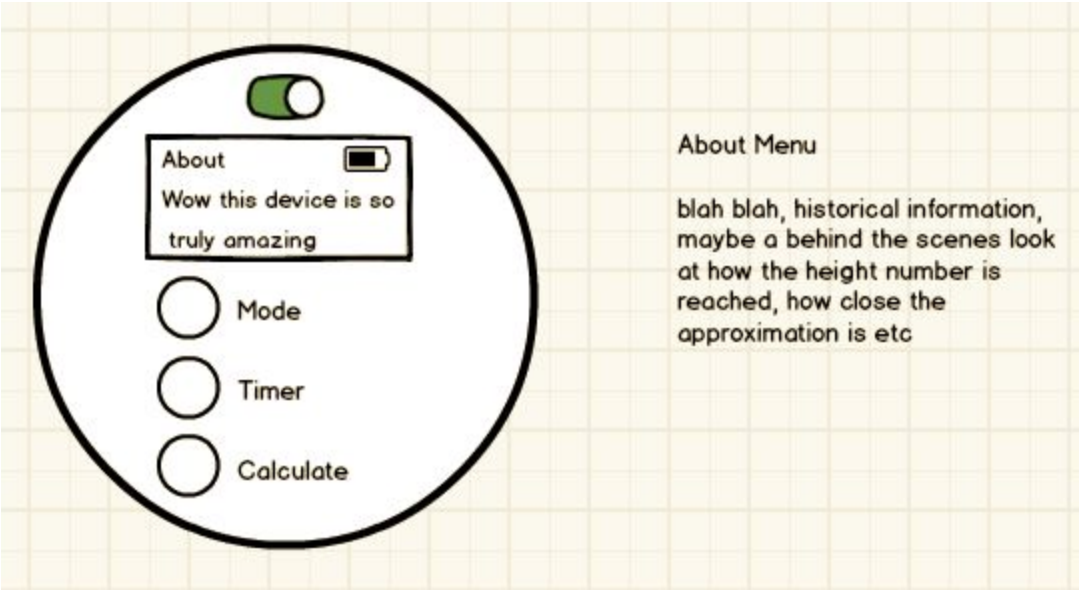
Height Mode

This is the primary mode that the device supports. Upon reaching this screen/mode, the user can then utilize the timer button to calculate their height. They will press it once, and the screen will show a running clock, which will stop once the user pushes the timer button again.
Then, they will push the calculate button and the arduino will run the calculation and spit out the height that the user is at.

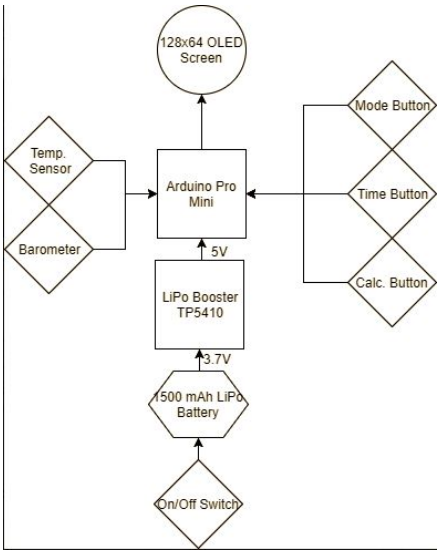


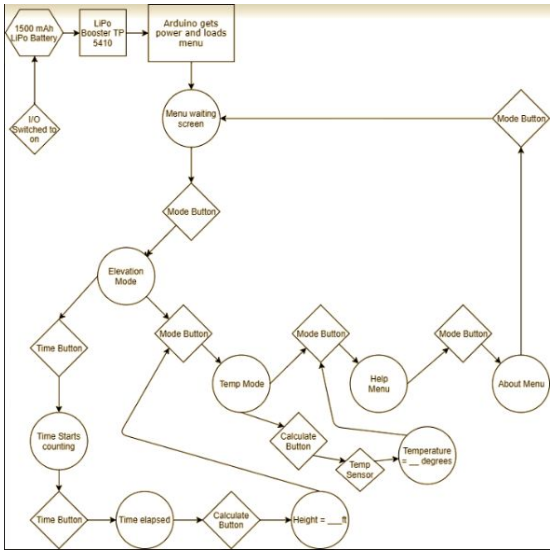


-Talk about potential limitations, margin of errors via wind & reaction times-



- Component Sketch





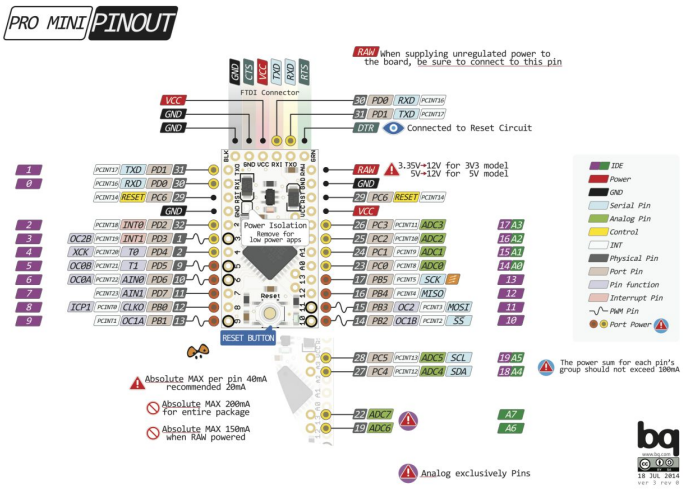
State zone

- Bill of Materials -

Name	Source	URL	Qty.	Cost
Arduino Pro Mini	AliExpress	https://goo.gl/XTJmMD	1	$2.40
OLED Screen 128x64	Amazon	https://goo.gl/cAiPSX	1	$8.99
500 mAh LiPo Bat.	Amazon	https://goo.gl/6sKL4H	1	$7.99
LiPo Booster TP5410	Ebay	https://goo.gl/nNtNMM	1	$2.19
10k Ohm Resistor	Lab		3	$2
Push Buttons	Lab		3	$2
Power Slide Switch	Lab		1	$1
Barometer BMP180	MakerAdvisor	https://goo.gl/riw4MG	1	$2

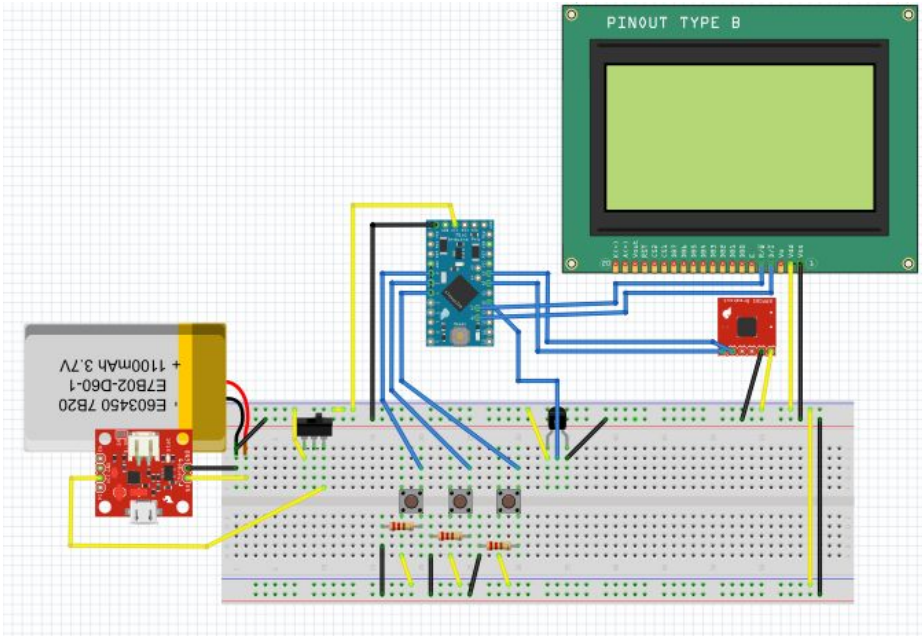
	Total cost: $_28.57_

References:



LED Screen: https://www.youtube.com/watch?v=wloWIyvw2w4
http://www.instructables.com/id/Monochrome-096-i2c-OLED-display-with-arduino-SSD13/
LiPo Battery: https://goo.gl/6sKL4H
LiPo Booster: https://www.youtube.com/watch?v=aND0j2Y2IkM
Buttons: https://learn.sparkfun.com/tutorials/switch-basics
Temp Sensor: https://learn.adafruit.com/tmp36-temperature-sensor/using-a-temp-sensor
Barometer: https://learn.sparkfun.com/tutorials/bmp180-barometric-pressure-sensor-hookup-

- Breadboard Model -



- Electronic Schematic