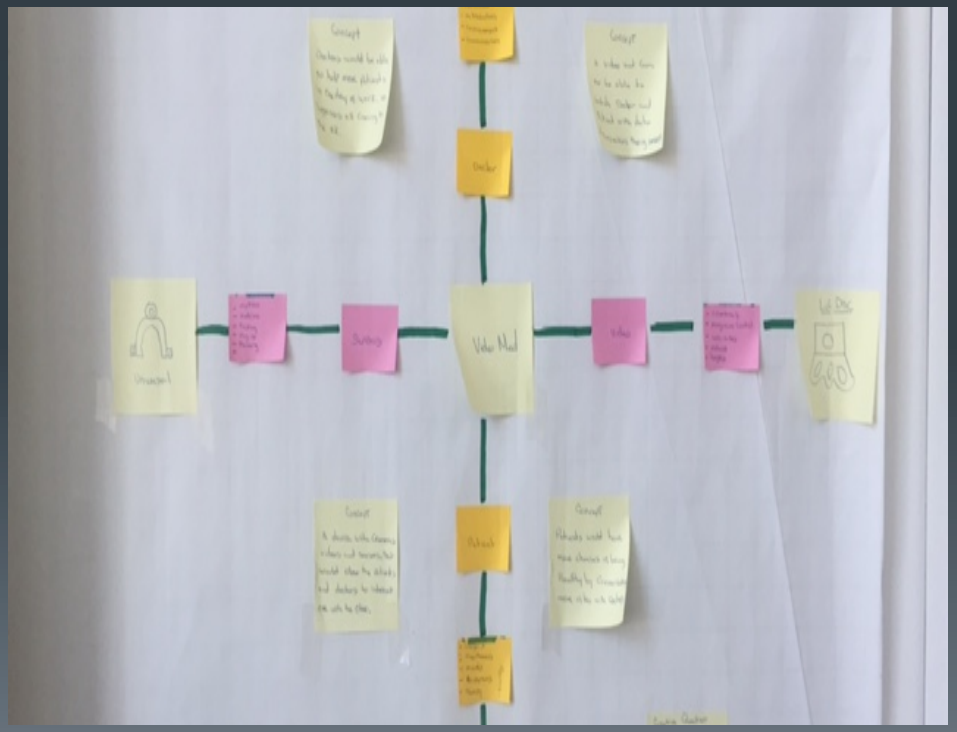
Video-Med

By Juancarlos

My Goals

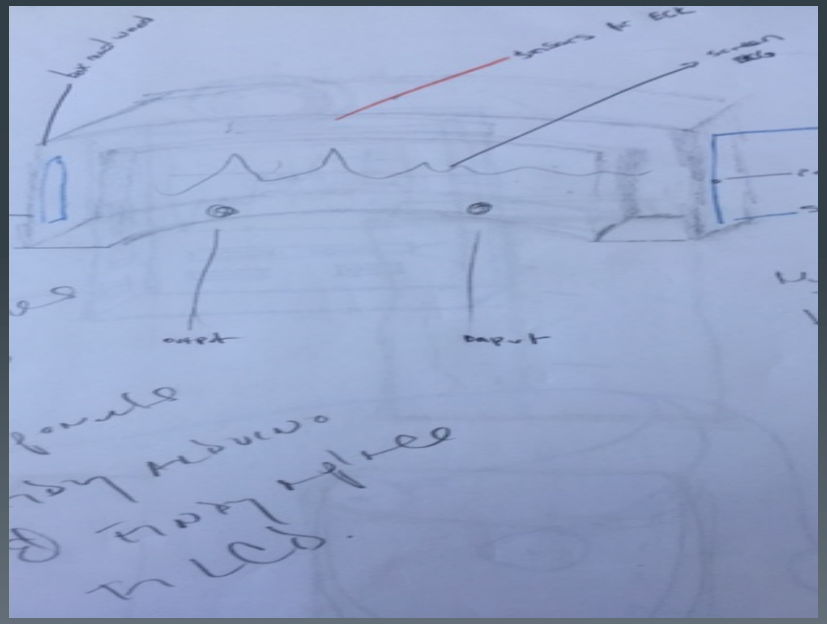
- 1- To Improve patients care outcomes
- 2- Reduce Cost
- 3- Educate Patient and provide experience
- 4- Deliver much more than a video conferencing
- 5- Delivering remote video consulting
- 6- Integrated medical devices
- 7- Easy to use for all patients

Purpose



My purpose is to share via remote patient monitoring in one system with clinician. The device will include automatic video call routing by service with EKG and EMG sensors to process the electrical activity of the heart.

Visualize Concept

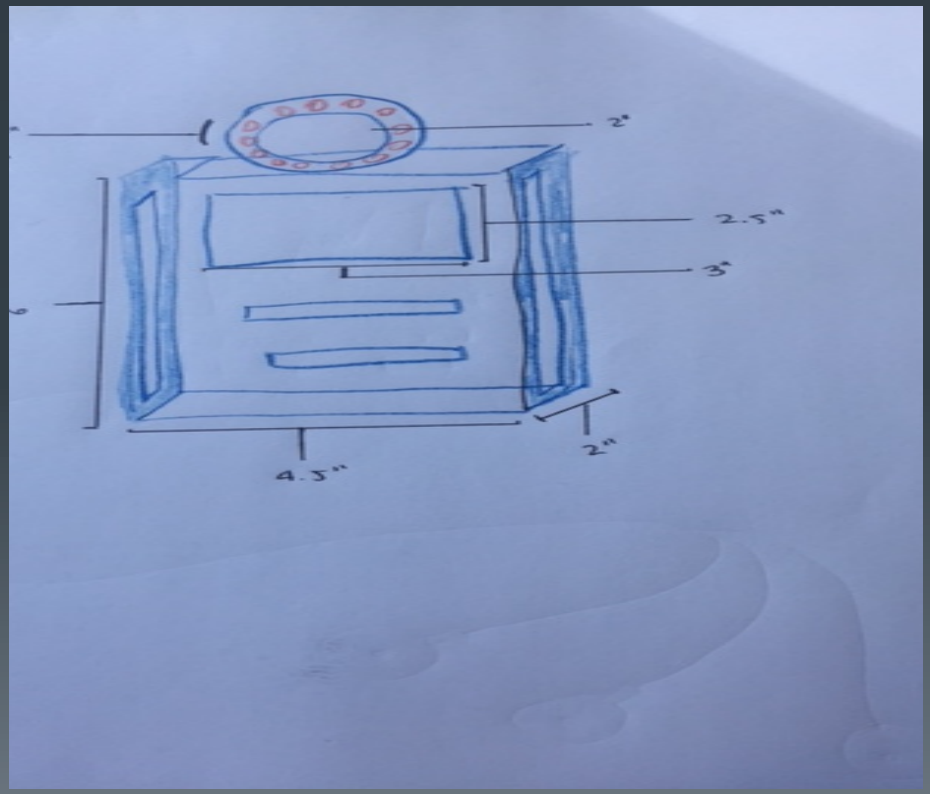


This is my original concept a screen in the center of the device with all the input sensors on the outside

Form

This was my form and idea behind of the video-med

Dimensions



All the dimensions are in inches. I started with the height 6” , depth 2” width 4.5”, screen width 3” and a height 2.5”

Video-Med

- Consist of the followings:
- Capacitive Touch Sensors as input
- An Actuator as output
- An Arduino
- An Olimexino 328
- Communication Network Protocol

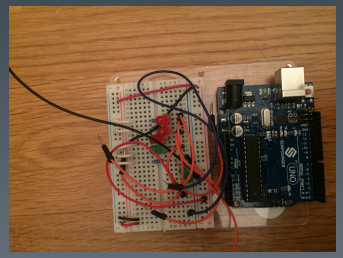
Materials

Shield EKG

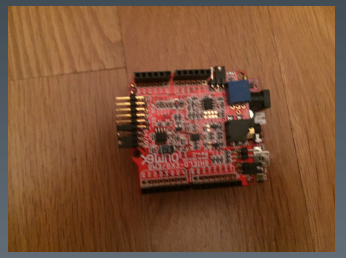
Shield EMG

Electrode Monitoring
medi frace foam

3.2 TFT LCD Touch Screen

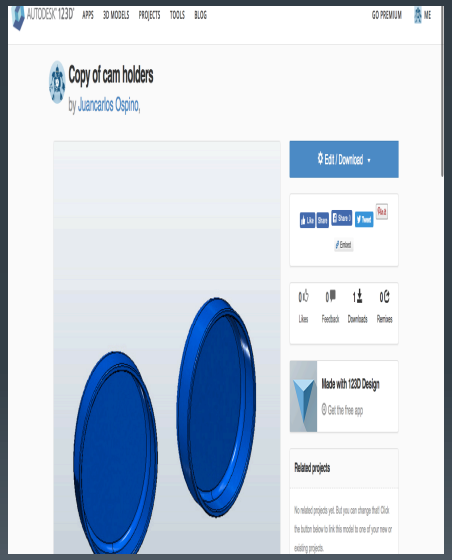


Arduino uno



Olimex Board

Modeling 3D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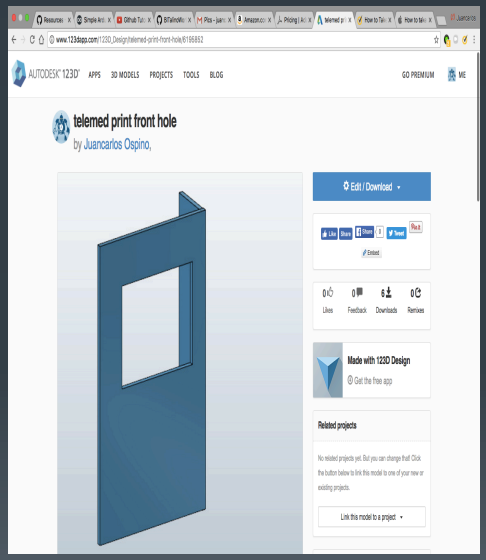
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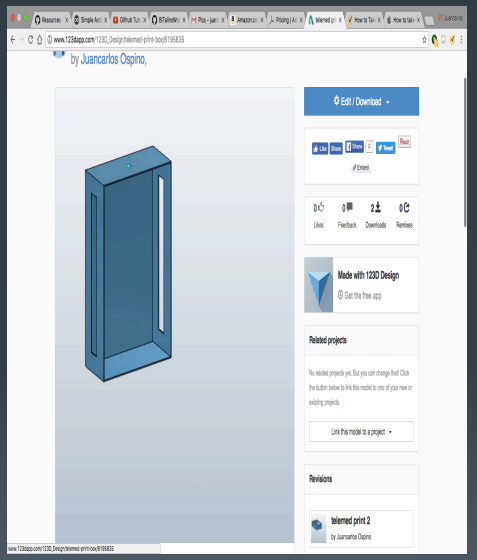
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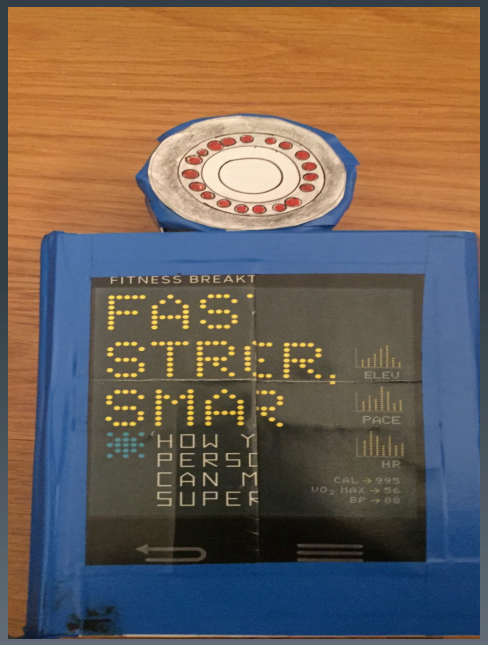
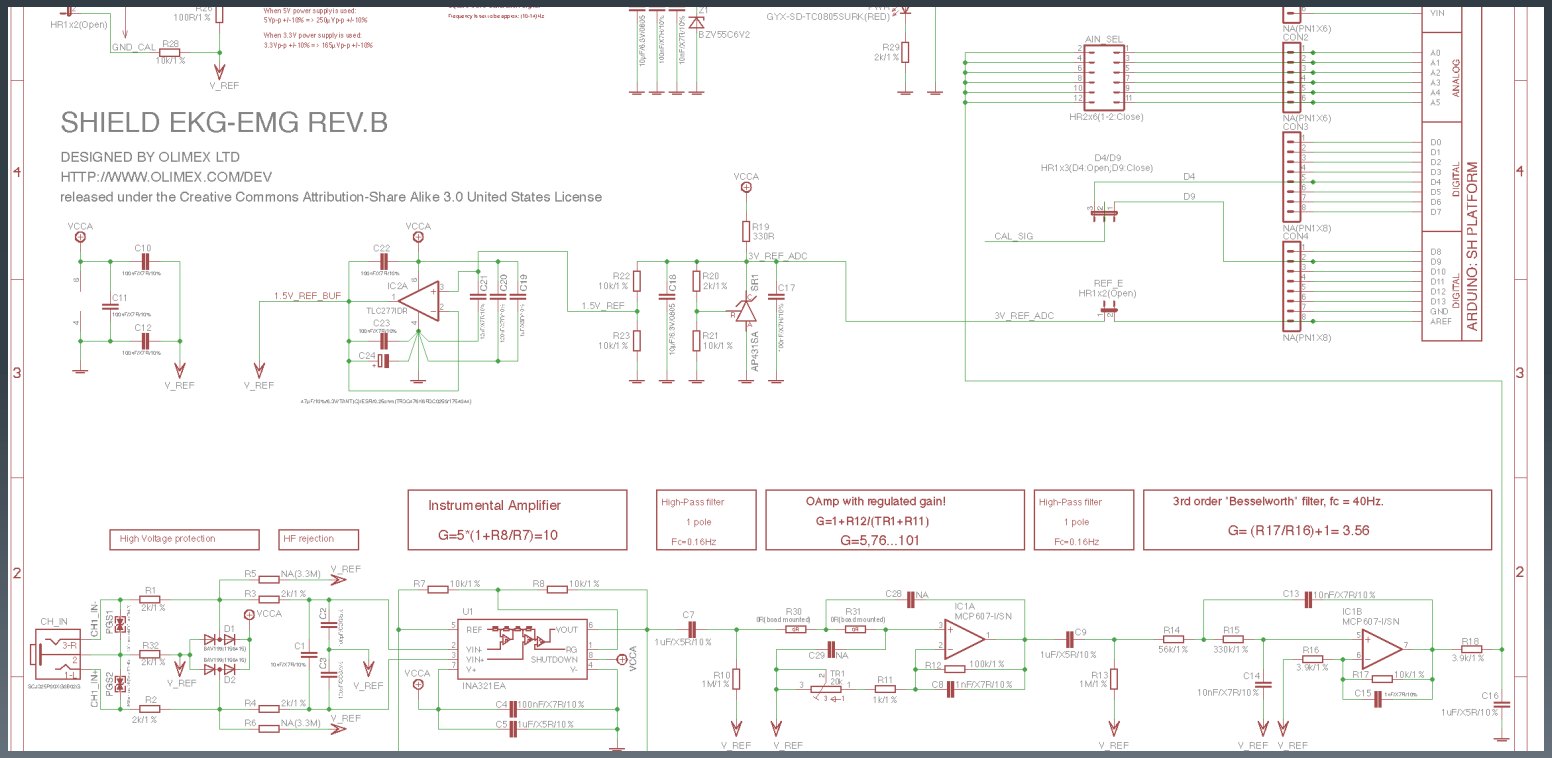
Prototype



Schematic for Olimexino 328



Breadboard + arduino + Olimexino328 and a 3.2 LCD screen