# CameraCoverCo.

By: GNG2101 Project Group C31

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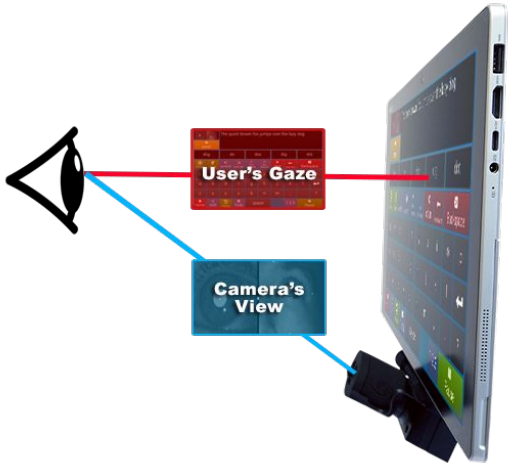
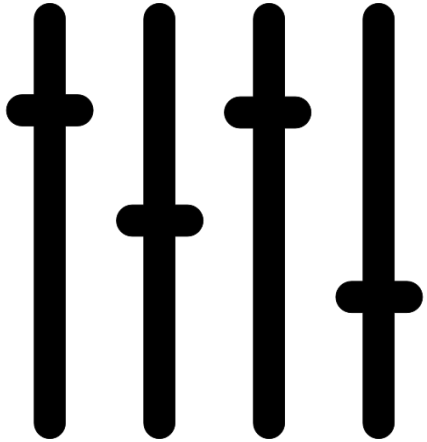
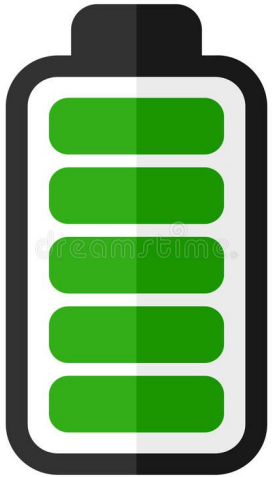
# What is the problem?




# Customer needs

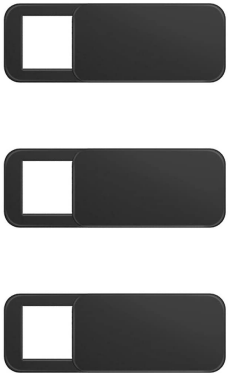




# Motivation and Goals

- Provide assistance to people with disabilities
- Put our knowledge and passion to test
- Learn about manufacturing and prototyping processes
- Goal : Learn new skills
- Goal : Unique, Personalized approach

# Benchmarking




# Design specifications

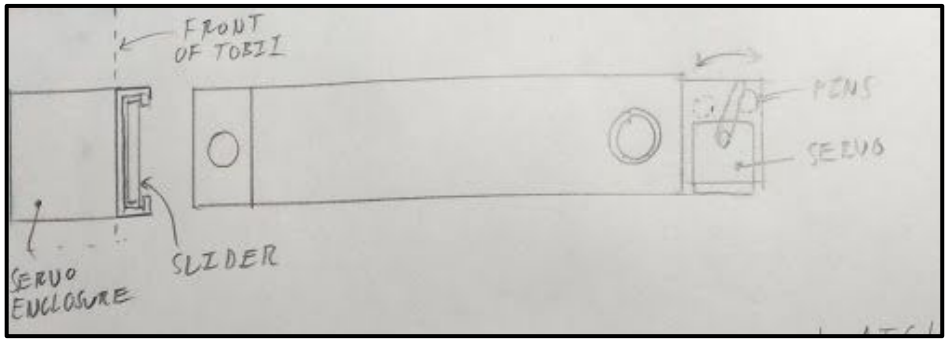
Main design criteria

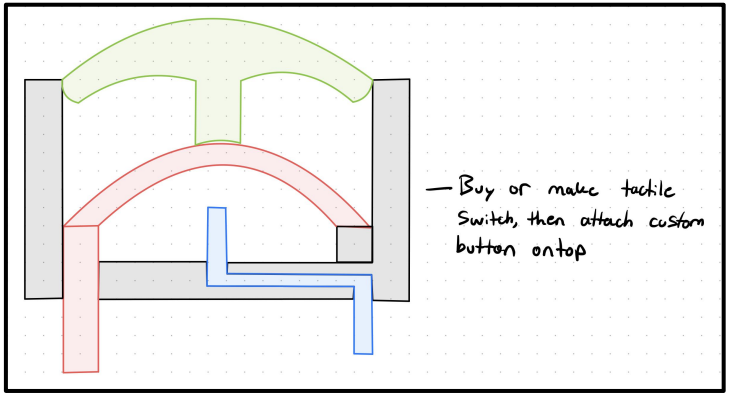
- The cover fully blocks the lights
- Switch is big enough for use
- Low energy consumption

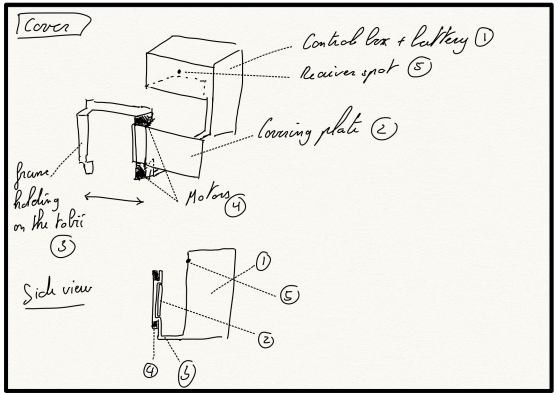
Target specifications with ideal values

- Switch size (diameter): 4 cm to 6 cm
- Cover area: 27 cm to 27 cm x 4cm to 2 cm
- Power consumption: 180 mW

# Key ideas and contributions



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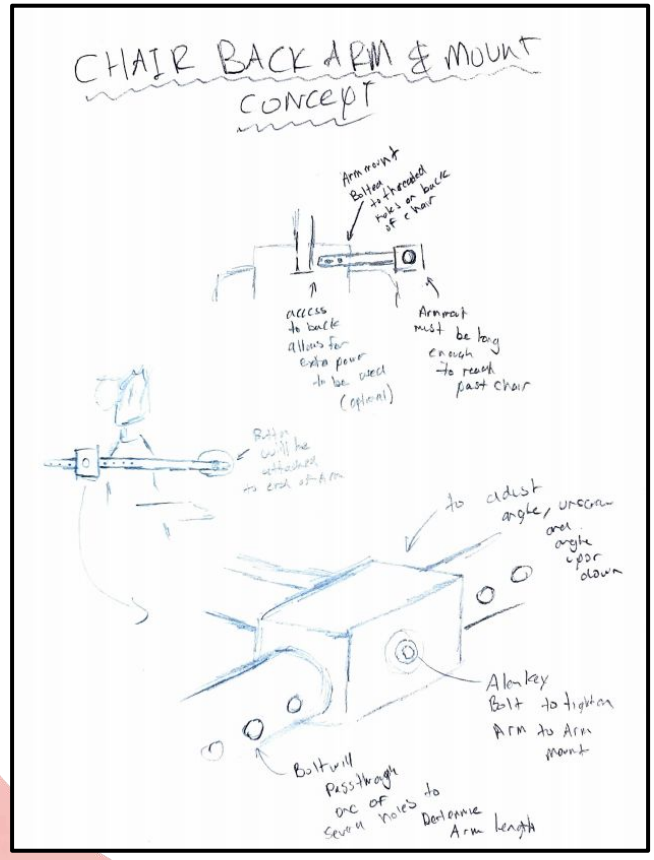
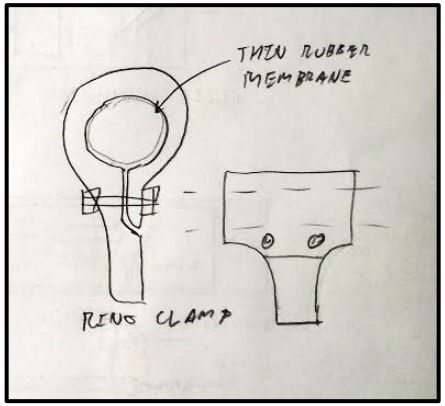
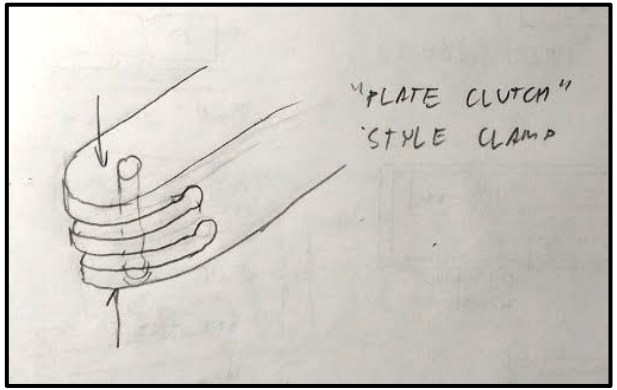
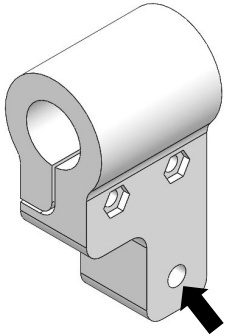


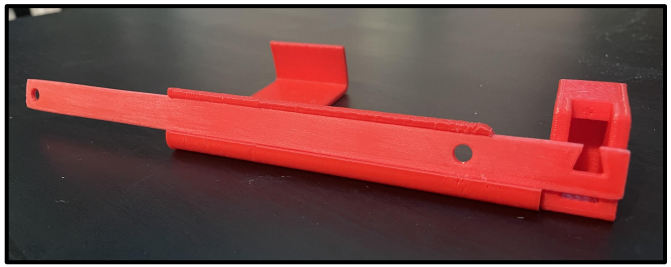
# Initial Design Concept

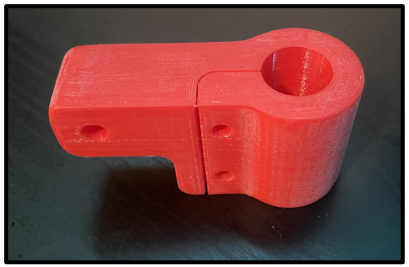


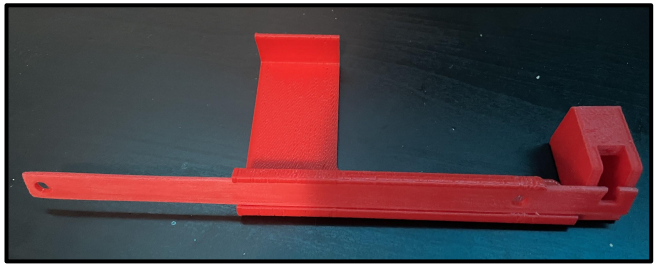
BUTTON

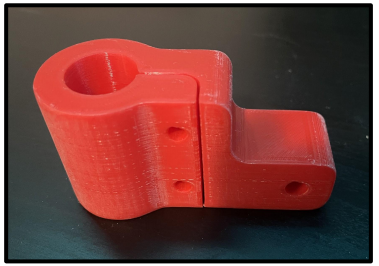

RF SIGNAL

# Prototype 1: Big Red MK1

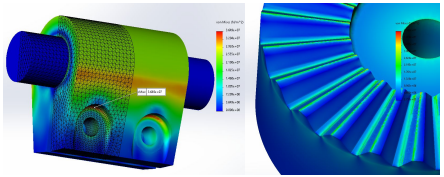




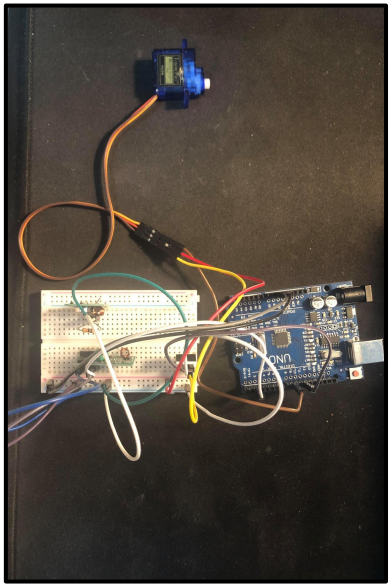


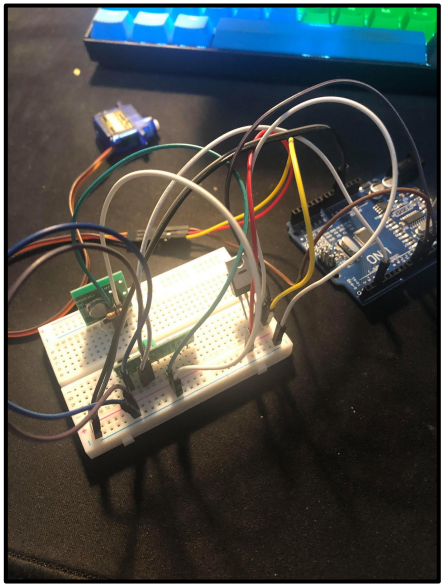


# Prototype II: Big Red MK 2 and Zip Zap MK 1

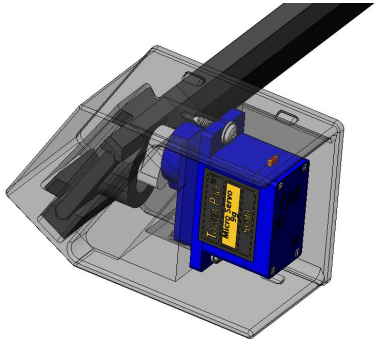


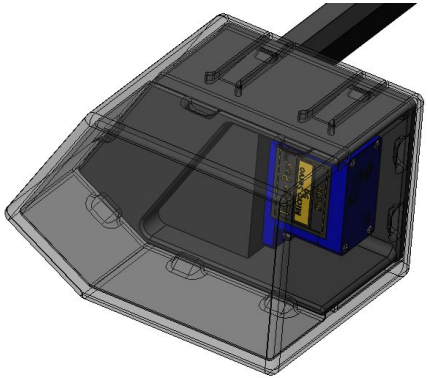


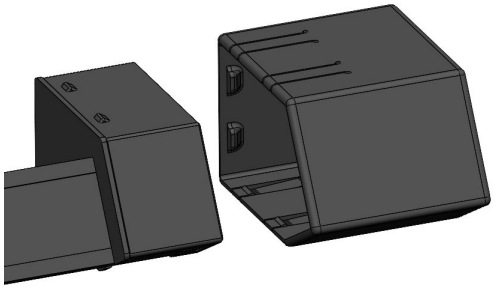




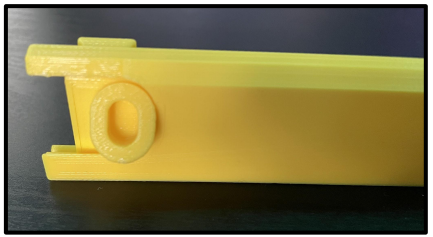
# Final Prototype

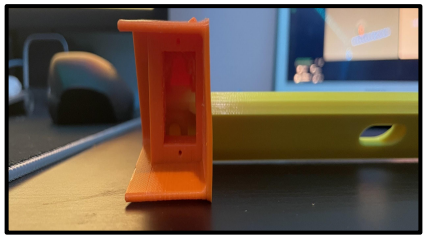



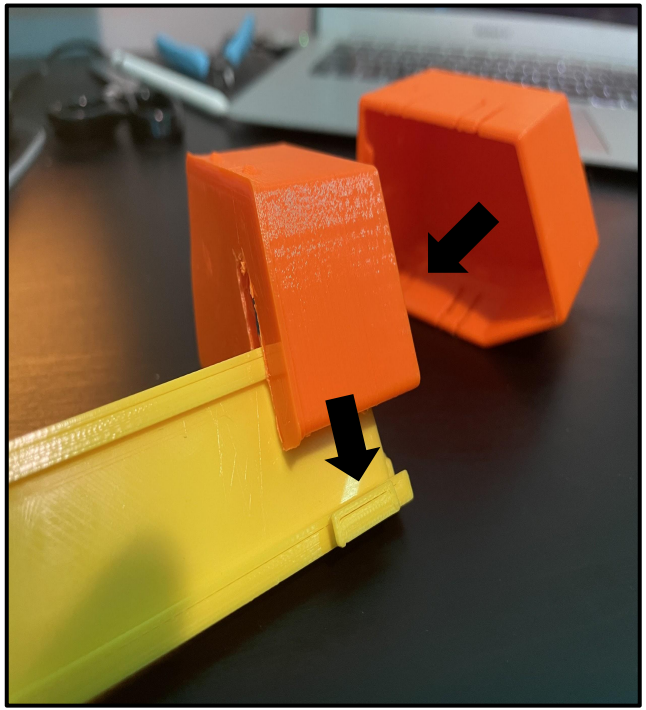




# Final Prototype: Big Yellow MK 1







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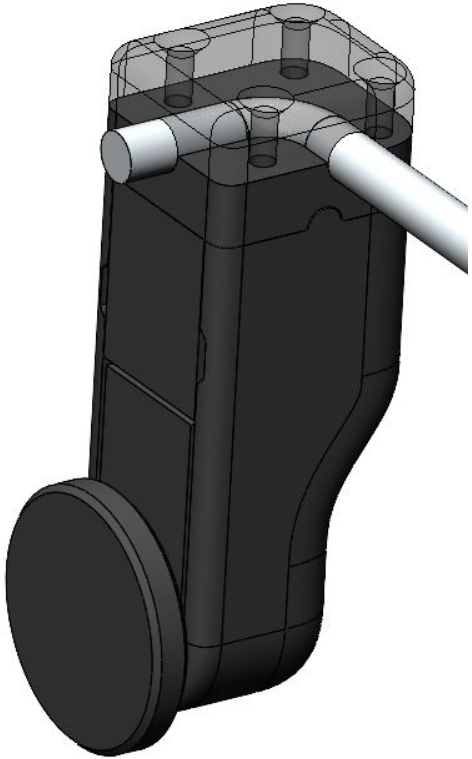
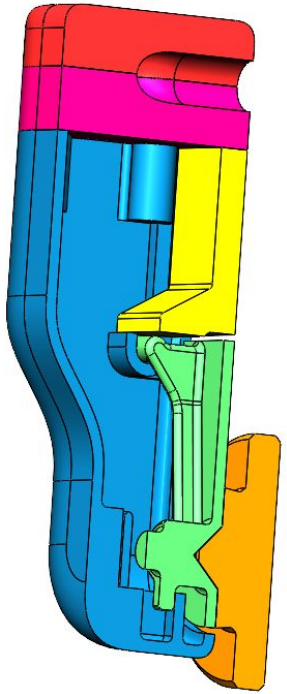
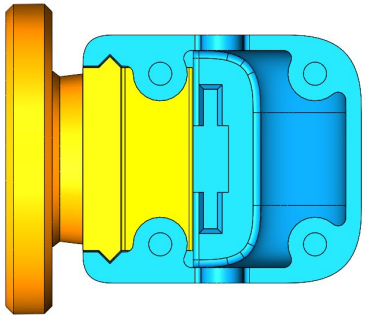




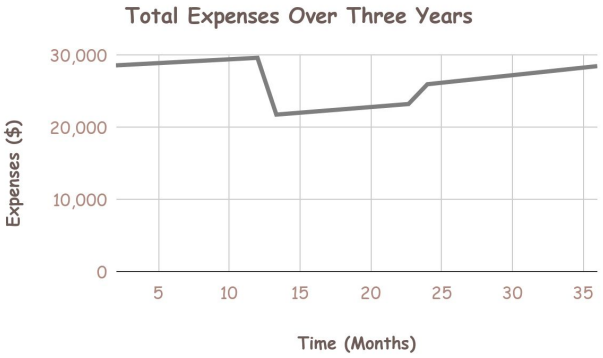


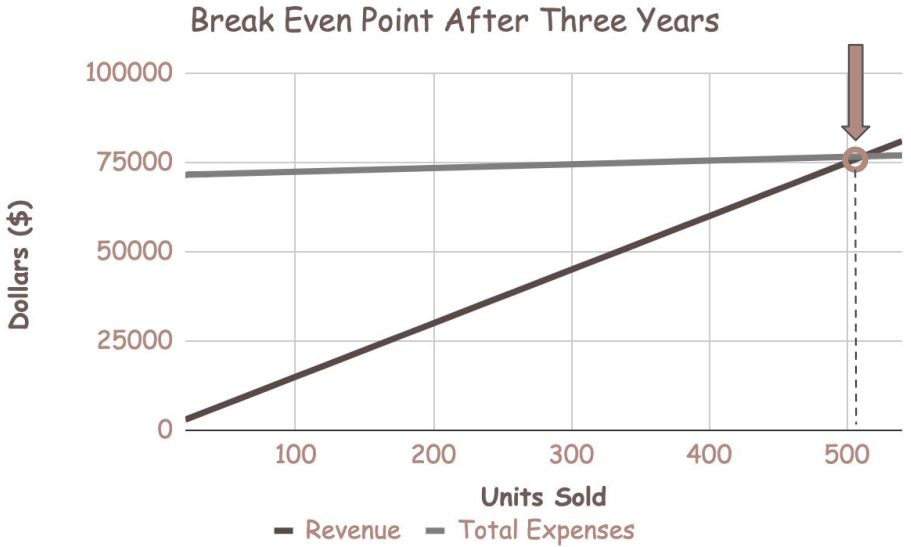
# Trials and tribulations

# Future work required

- Finish circuit
- Combine components
- Testing
- Future improvements

# Business model and economics

# Questions ?