



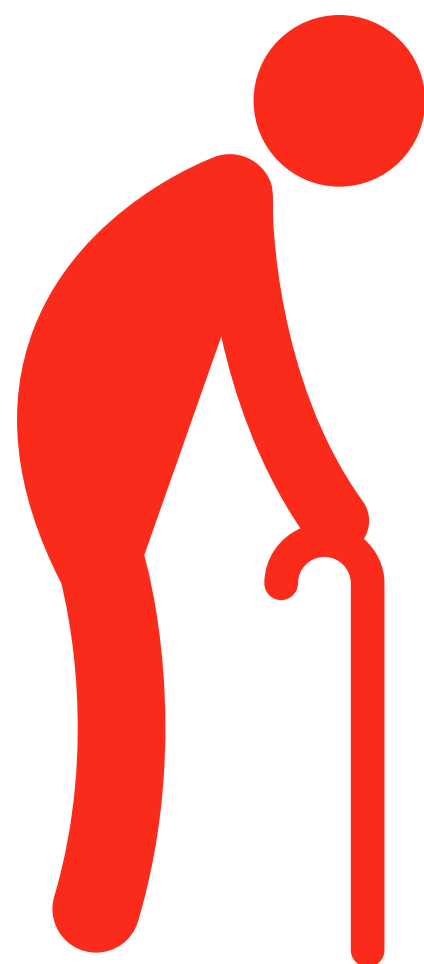
# Mockup Review



# HEROBO

An Affordable Therapeutic Robot















AGELAB





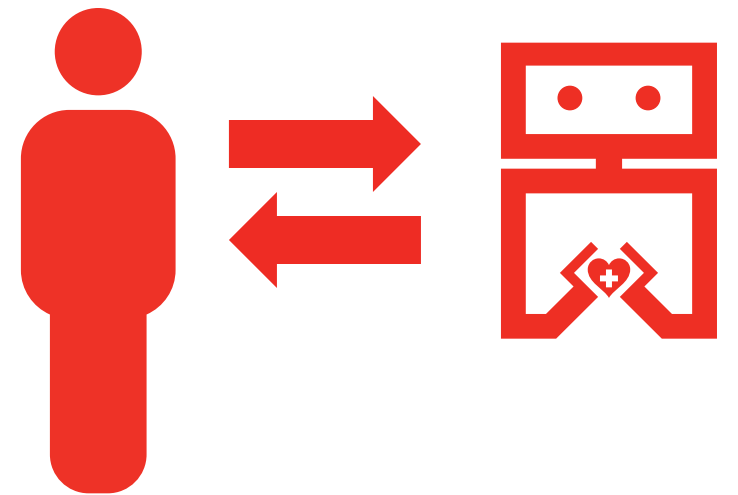
**Needs**



**Needs**



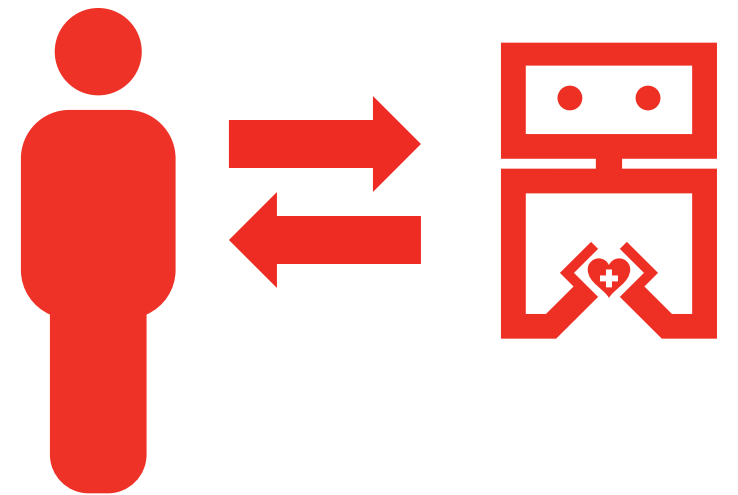
Needs

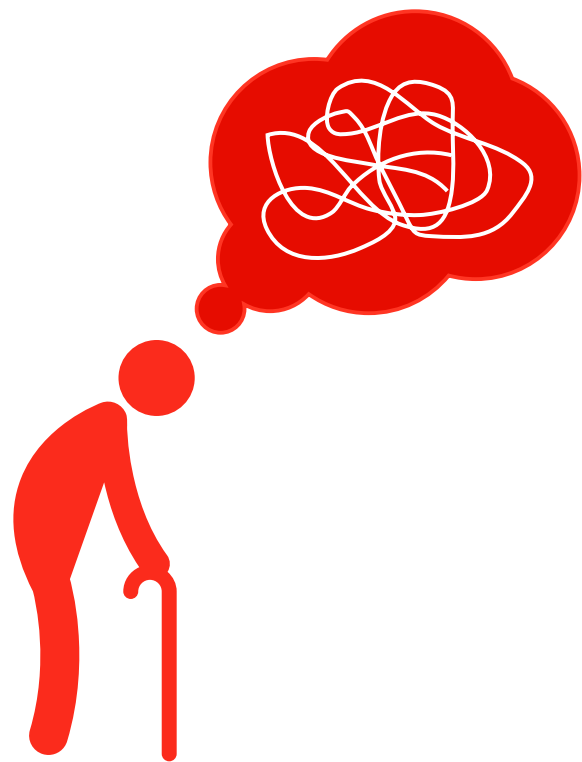




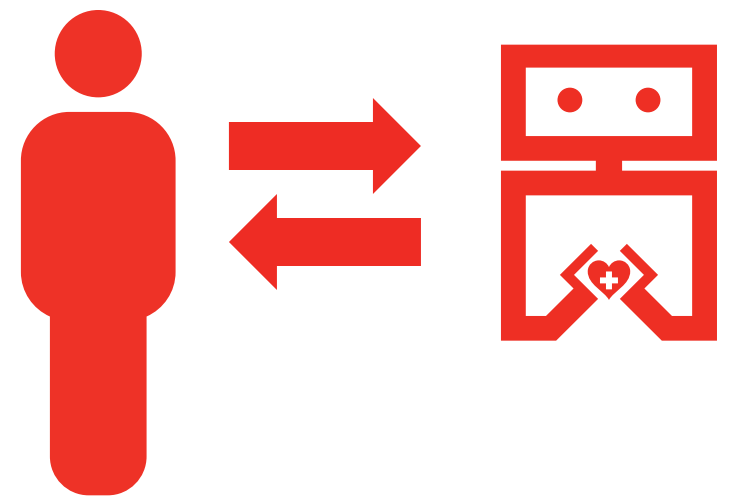


Needs



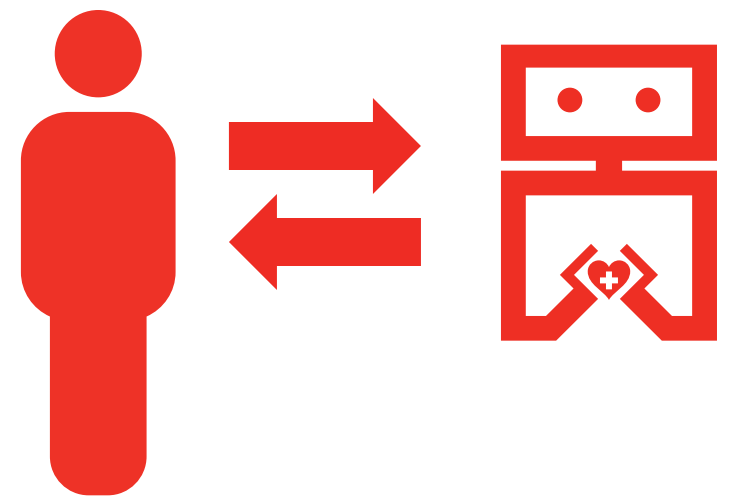
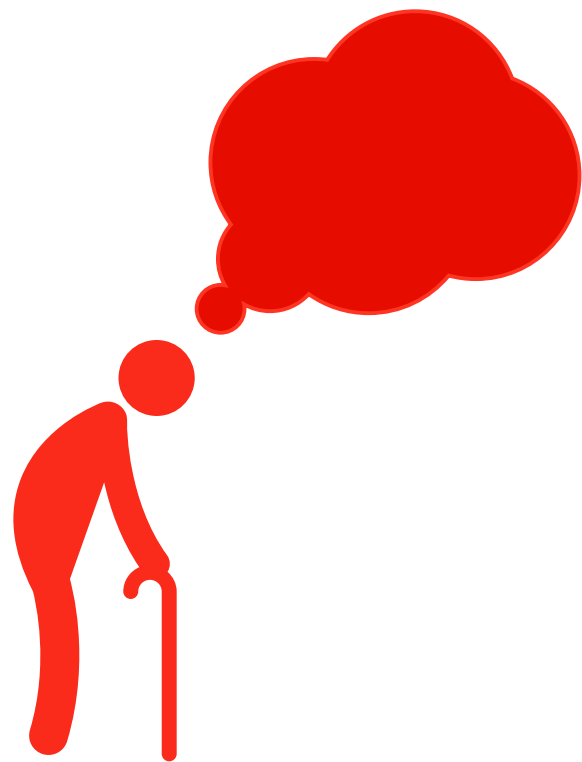


Needs





Needs









**How can we create an interactive product?**



**How can we create an interactive product?**

**How can we test this product with user?**

## Consumer Need

## Product Attribute

## Engineering Spec

**Relieves Behavioral and Psychological Symptoms of Dementia (BPSD)**

Improves communication

90% Approval

Relieves stress

Increase in 17-Ketosteroid

Improves emotional well-being

Decrease in score on The Face Test<sup>2</sup>

**User Engagement**

Form-Factor

Quality plush, realistic movement, non-threatening and non-domesticated animal

Percent time in use

60% Use

Rate at which it is repositioned

8 times per hour

## Customer Need

## Product Attribute

## Engineering Spec

**Financial accessibility**

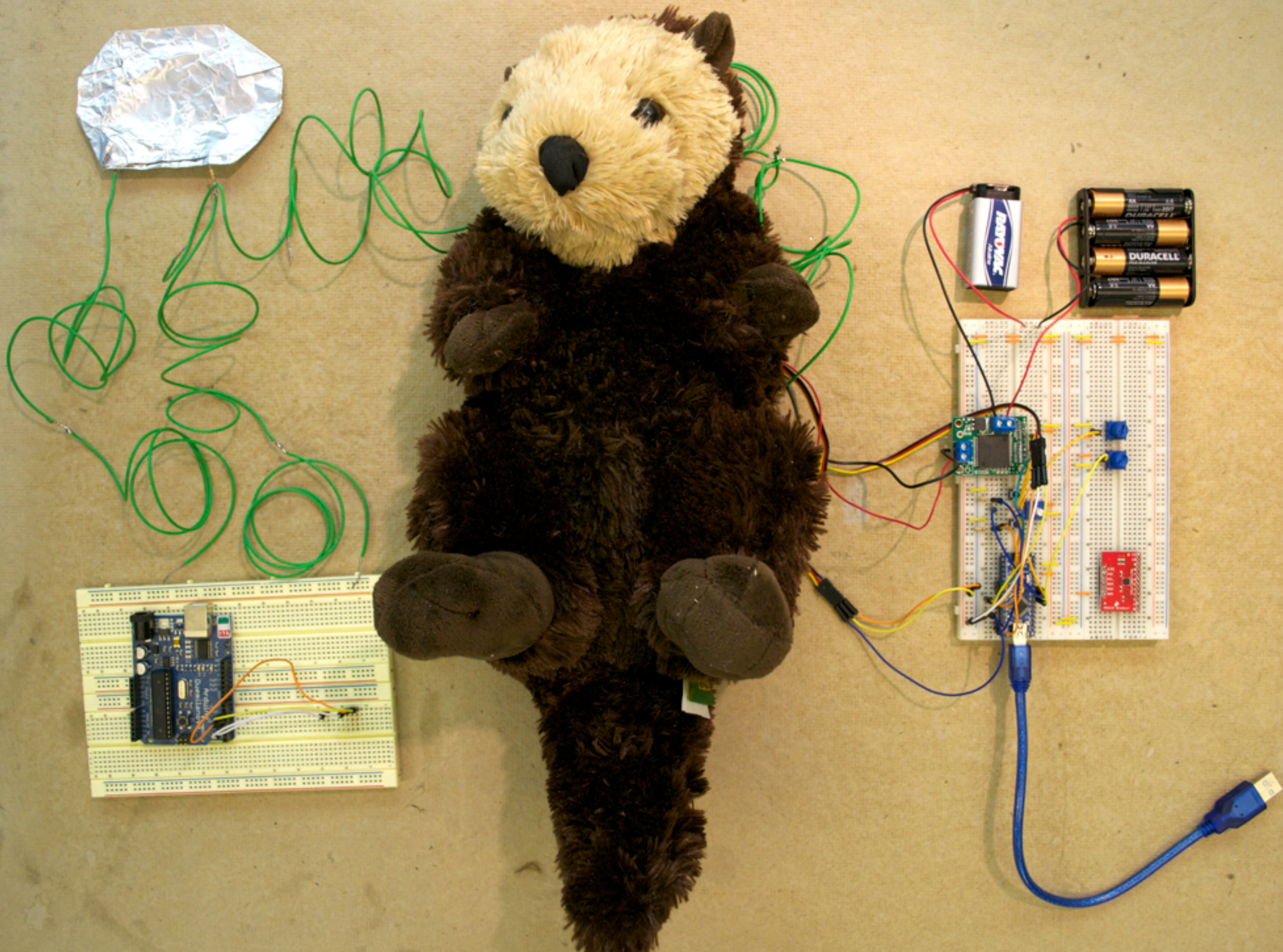
Cost

\$400-600

1) C. D. Lorish and R. Maisiak, "The face scale: A brief, nonverbal method for assessing patient mood," *Arthritis Rheumatism*, vol. 29, no. 7, pp. 906–909, 1986.

2) Wada, K., Shibata, T., Saito, T., & Tanie, K. (2004). Effects of robot-assisted activity for elderly people and nurses at a day service center. *IEEE*, 92(11), 1780-1788. doi:10.1109/JPROC.2004.835378

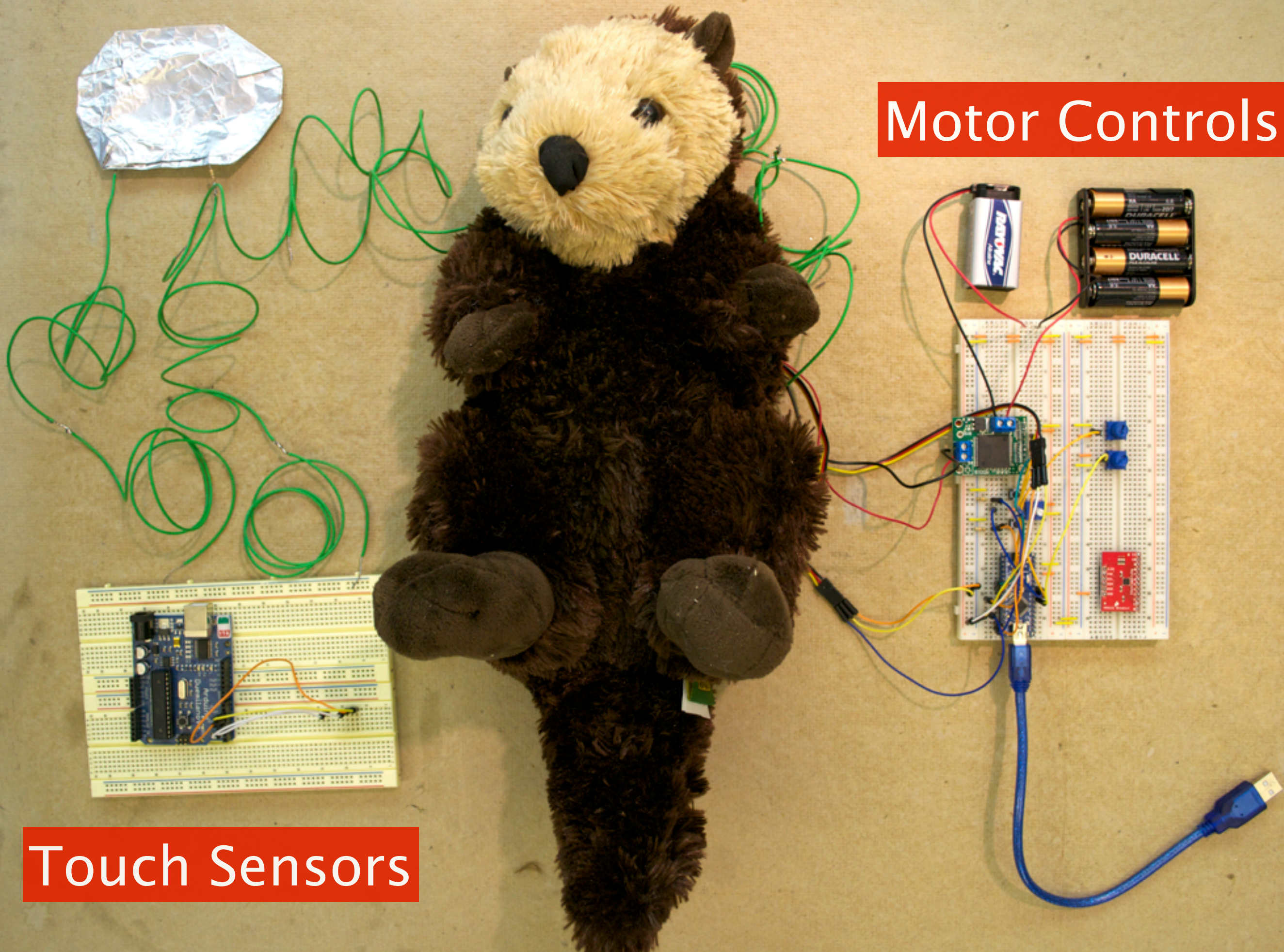






Motor Controls

Touch Sensors







# Life After 65

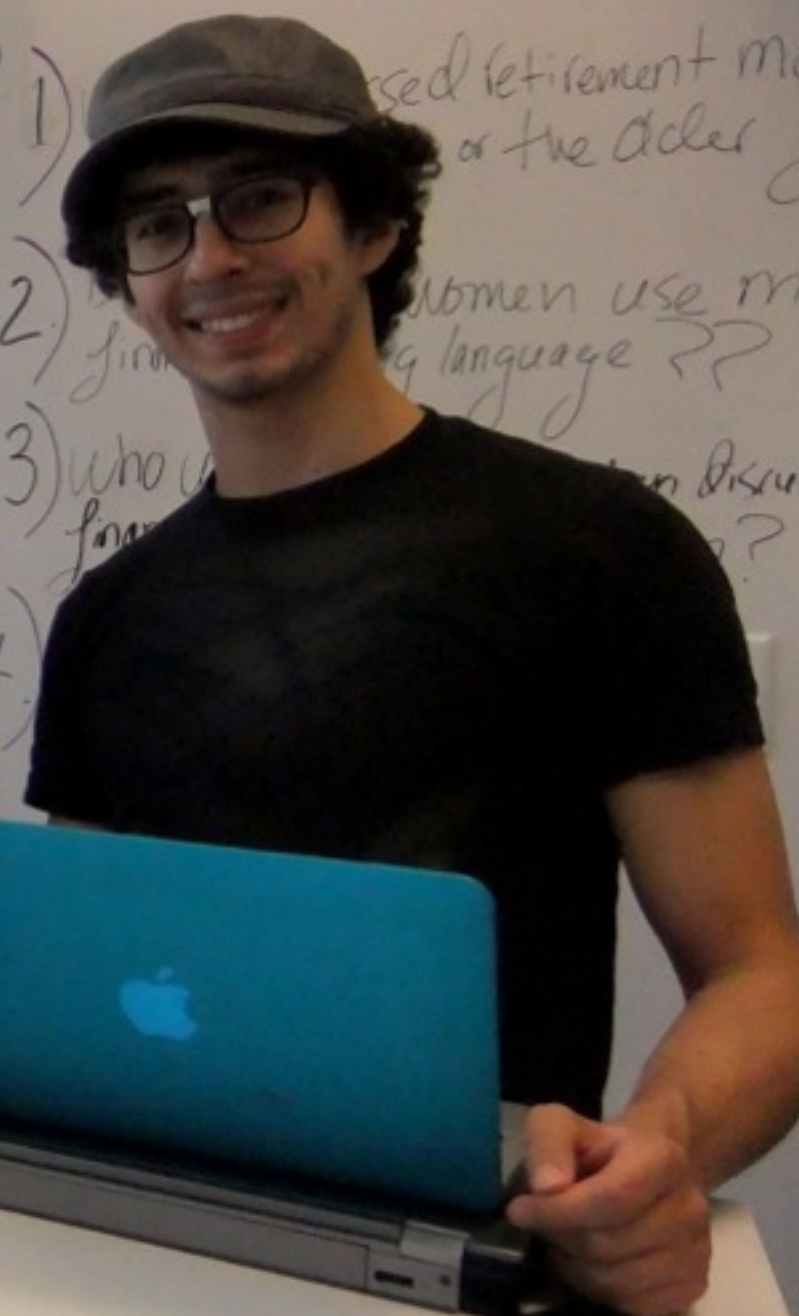
- 1) aged retirement m... or the older
- 2) women use m... language ??
- 3) who u... Discu...
- 4) ...?



AGELAB

Life After 65

- 1) aged retirement m... or the older
- 2) women use m... language ??
- 3) who u... Discu...
- 4) ...?



# Next Steps

# Next Steps

- More realistic motions

# Next Steps

- More realistic motions
- Artificial Intelligence



# Next Steps

- More realistic motions
- Artificial Intelligence
- User testing



**Thank You**

