

Computer Input Device

Clients: Richard Kunz, Mary Sesto, PhD and Elizabeth Felton, PhD

Team Members: Steve Welch (Leader)

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Problem Statement:

Richard Kunz has muscular dystrophy, limiting his movement severely save for slight motions in his fingers. This creates obvious difficulty when performing daily tasks, notably using a computer. A device has already been designed and built upon, but needs finalizing. Alternatively, another design unlike the previous one can be built and tested.

Last Week's Goals

- Make precise measurements to finalize designs for squeeze stick and arm support
- Gather materials for squeeze stick and arm support
- Talk with programmers for advice on increasing optical mouse sensitivity

Summary of Accomplishments

- Met with Richard to make measurements
- Determined he can push a lever microswitch

This Week's Goals

- Begin constructing prototypes
- Order and gather more materials needed

Project Difficulties

- Finding the right material with which to cover the microswitch

Activities

- Rewiring mouse for squeeze stick
- Gathering materials

Expenses

- None thus far

