­­­­­­Experience the barriers faced by people with Disabilities

#### Percentage of adults with functional disability types:

* 13.7 percent of people with a disability have a mobility disability with serious difficulty walking or climbing stairs.
* 10.8 percent of people with a disability have a cognition disability with serious difficulty concentrating, remembering or making decisions.
* 6.8 percent of people with a disability have an independent living disability with difficulty doing errands alone.
* 5.9 percent of people with a disability are deaf or have serious difficulty hearing
* 4.6 percent of people with a disability have a vision disability with blindness or serious difficulty seeing even when wearing glasses.
* 3.6 percent of people with a disability have a self-care disability with difficulty dressing or bathing.

<https://www.cdc.gov/ncbddd/disabilityandhealth/infographic-disability-impacts-all.html>

## Equipment Stock

Limited movement – Switches, Head mouse, track ball mouse  
Learning & mobility impairment - Colored keyboard

Cognitive – Mirror game, Disability simulator

Low vision – Googles

Color blind – Disability simulator, optilex

Blind – Mobile screen reader, NVDA

## Proposal

* Zoom text
* Dragon naturally speaking
* Single click switch

The Clevy Keyboard with its innovative colour coding and four times bigger keys is ideal to build interest and enhance keyboarding skills of those with learning & mobility impairment.

Switch

<https://axesslab.com/switches/>   
<https://axesslab.com/switch-control-for-a-day/>

Looking at pure numbers, there are far more people around the world who have motor impairments like Cerebral Palsy, ALS and Parkinson’s disease than who are blind.

Types of switches:

* Sip-and-puff switches. They are “clicked” by sipping and puffing into a straw-like-component.
* Sensory switches. Stephen Hawking had a sensor attached to his cheek that he activated by a small movement with his cheek up or down.
* Camera switches. On iOS products, you can activate a switch by tilting your head to the side.

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Date

I used it for: empathy/learning/testing  
Role: developer, designer, manager etc.   
Comments

Logistics  
Laptops, Mac books, Devices   
Maintenance of OS and AT

Testing prototypes – Access & Credentials

Administration- calendar, spreadsheet, emails