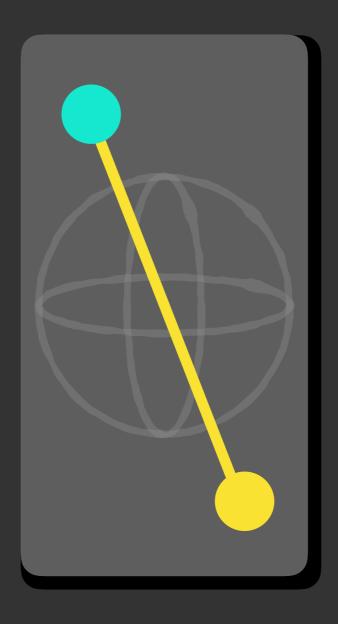
Gives your thumb a lift.

LOGLINE

TAXY is a reachability feature to facilitate one-handed interaction with smartphones.

Once activated by a flick gesture, TAXY generates a new virtual cursor,
determined by the user's thumb position and the current values of the accelerometer.

Distant elements can easily be reached - even on a large screen.



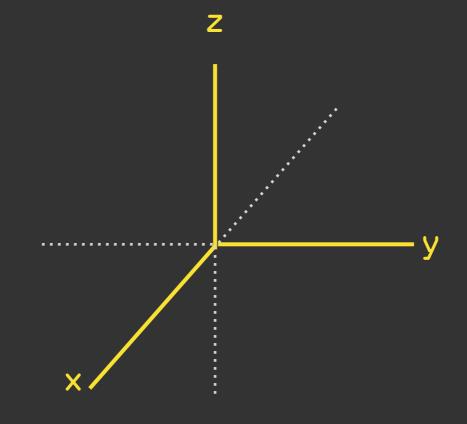
ilt





X - A x i s

- Axis



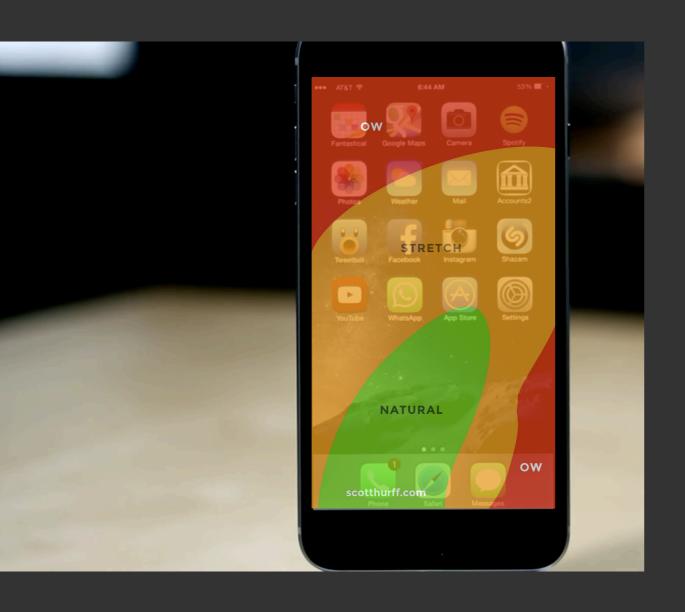


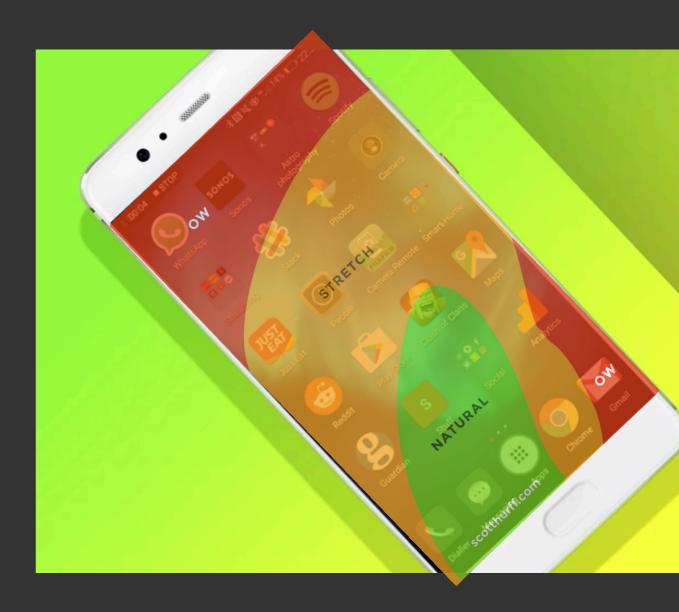




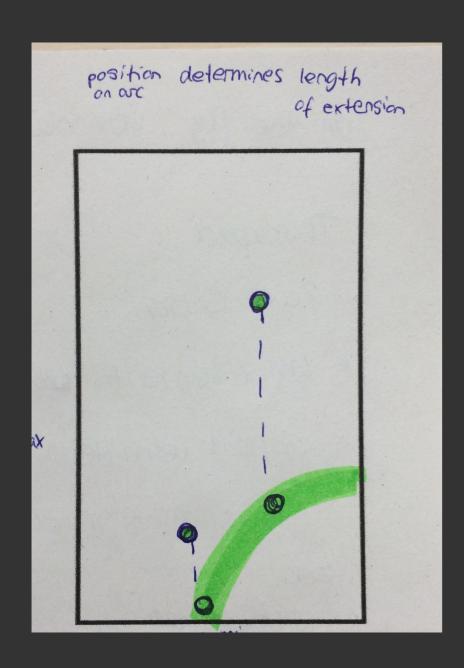
APPLE Reachability

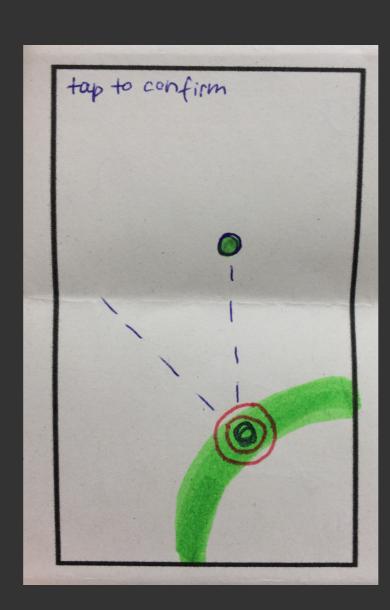
HUAWEI Mini Screen View

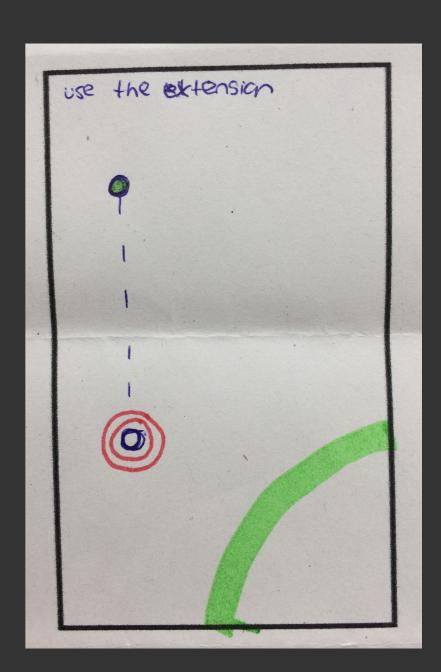




SKETCHING

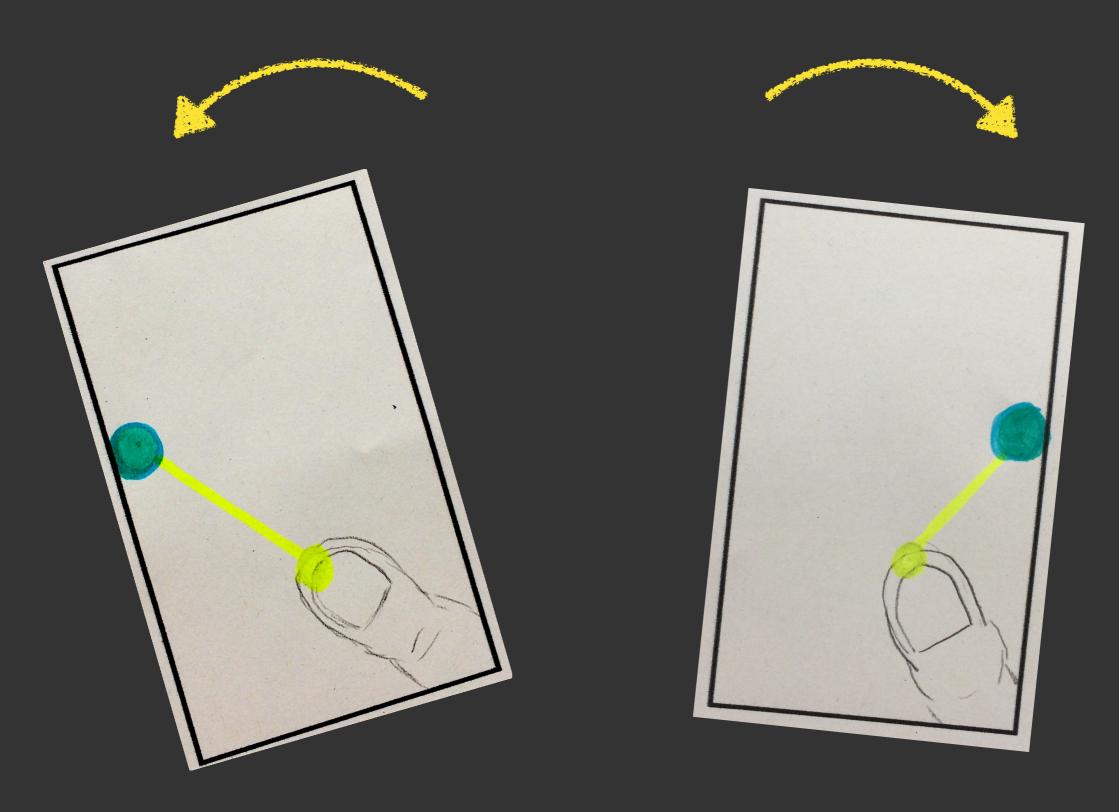




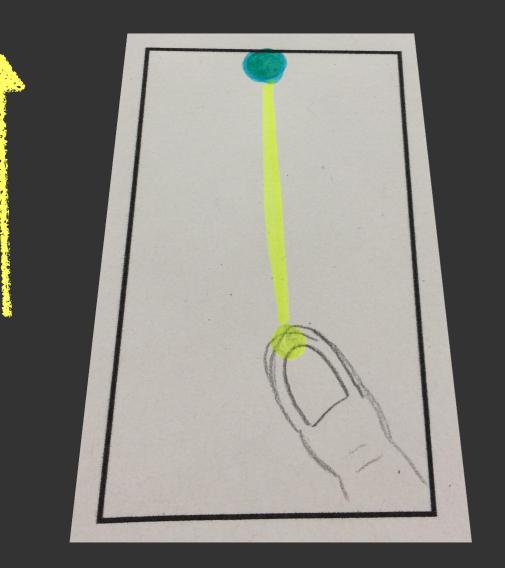


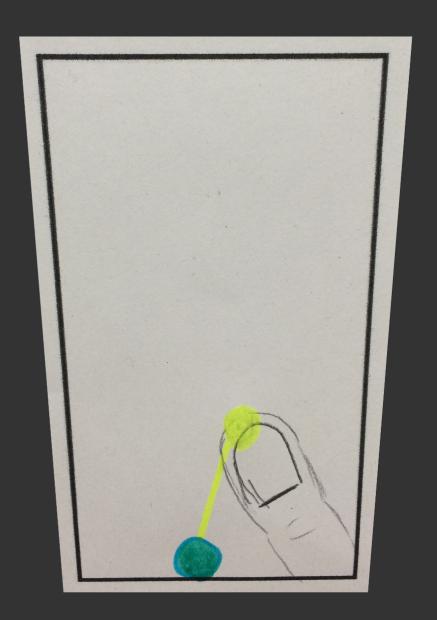
Problem: How to adjust on the fly?

X - T I L T



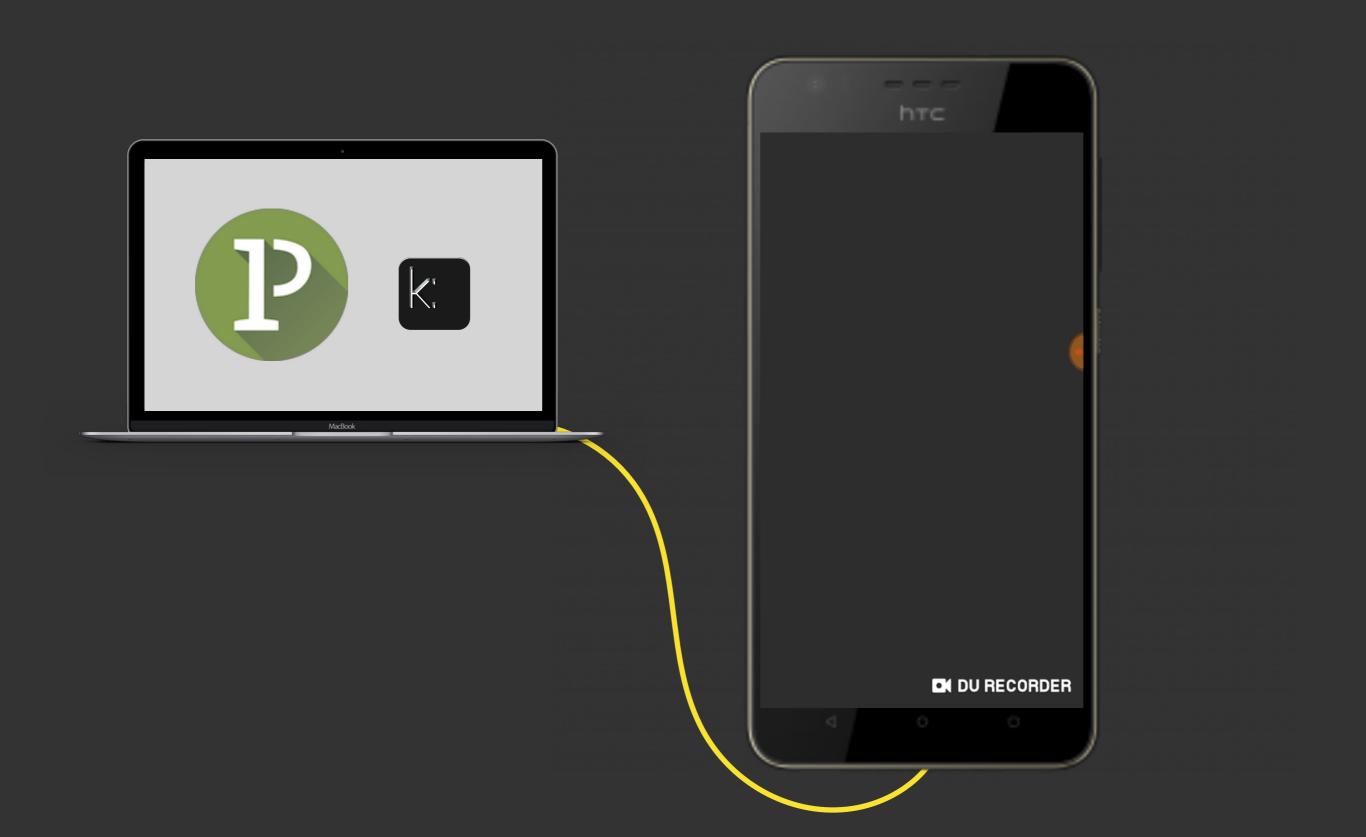
Y-TILT







DEVELOPMENT



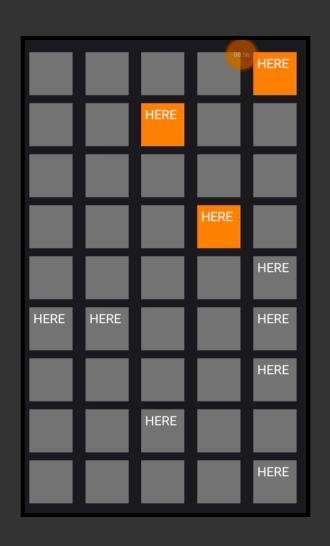
TASKS

1a

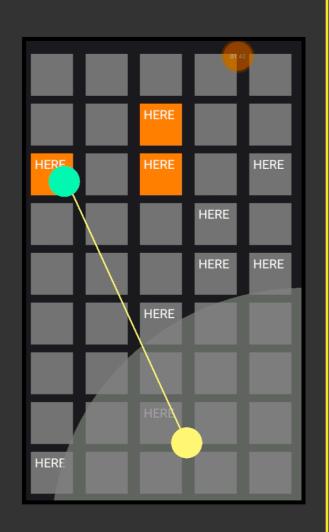
1b

2a

2b



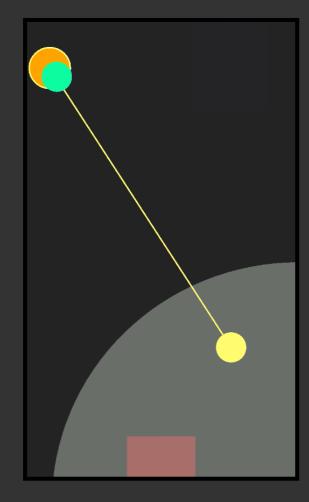
Select Rectangles (Touch only)



Select Rectangles (Touch + TAXY)



Delete Ellipses (Touch only)



Delete Ellipses (Touch + TAXY)

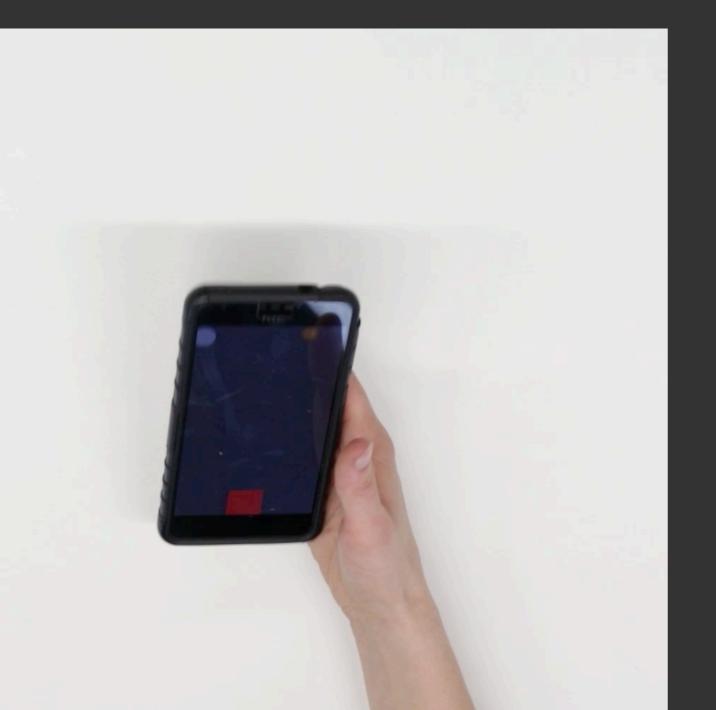
USER TESTS

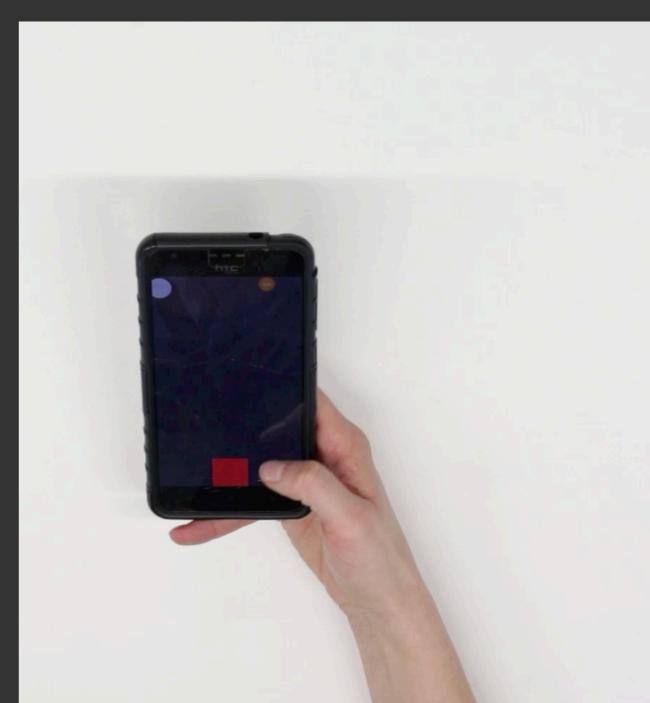


Delete Ellipses (Touch only)



Delete Ellipses (Touch + TAXY)





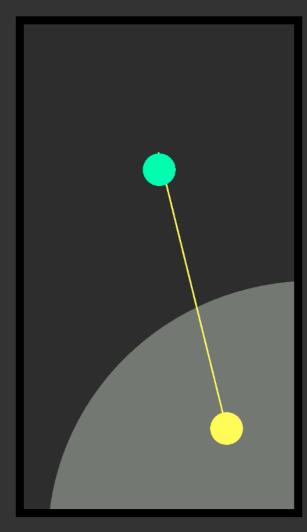
LIVE DEMO

RESULTS

- not necessarily faster than normal touch
- but more comfortable, less risky
- easy to learn, intuitive more suitable for drag & drop than selection task

IMPROVEMENTS

new activation gesture add a "magnet" minimalistic design



THANX