

FRONT VIEW

opens hand

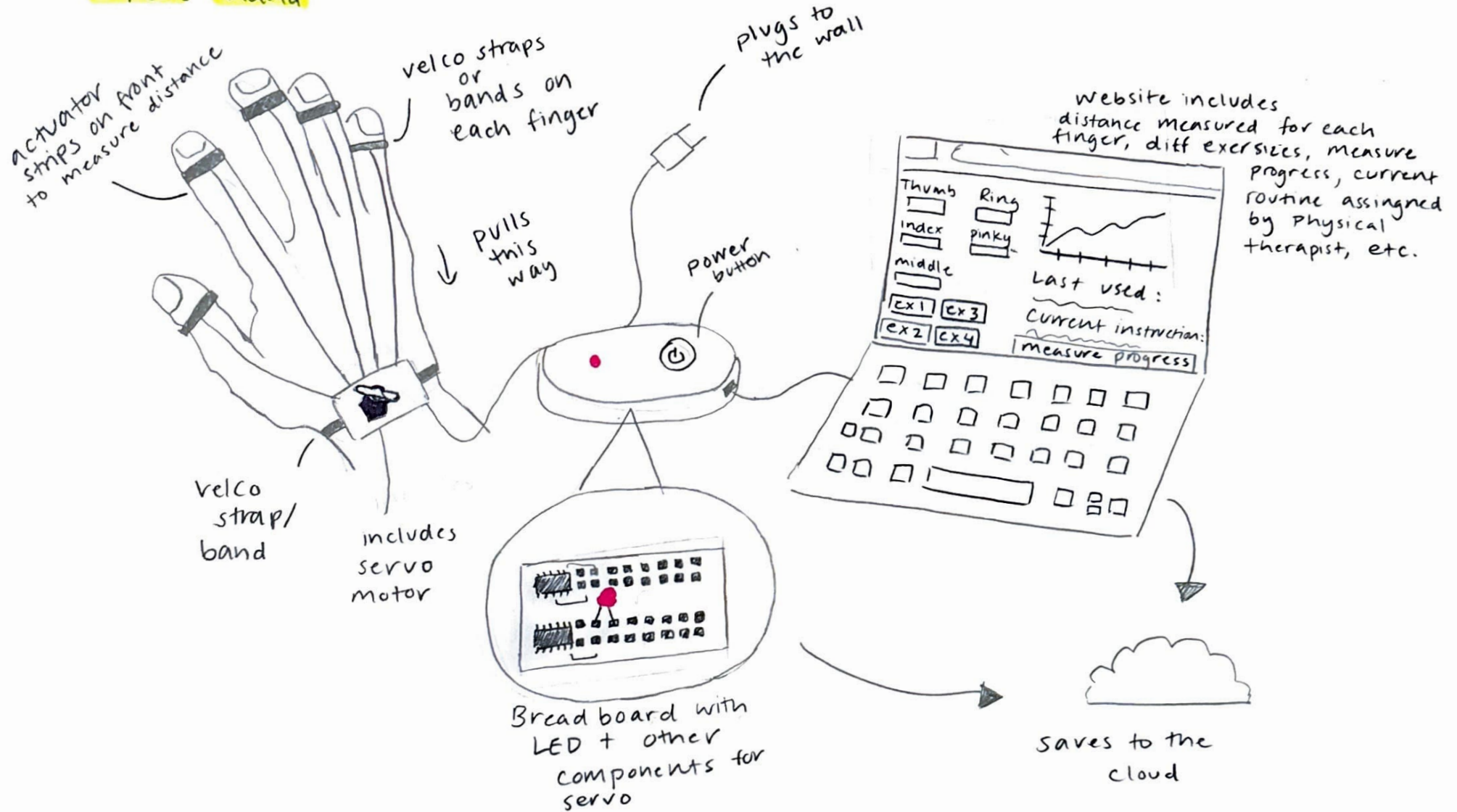


Image 1: Detailed sketch of project assembly

BACK VIEW

- Attaches the same way as front view

closes hand

pulls this way



actuator strips
attached using
double-sided
3M VHB tape/Velcro
Placed first to
be underneath
strings.

considering glove
design for easier +
quicker user assemble

3D printed
box for palm
feeding the string
for better range
of motion
so hand can
curl / clench

another
servo
motor for
back side of hand

Image 2: Detailed sketch of project assembly continued

Thera-Hand Electrical Wiring Diagram

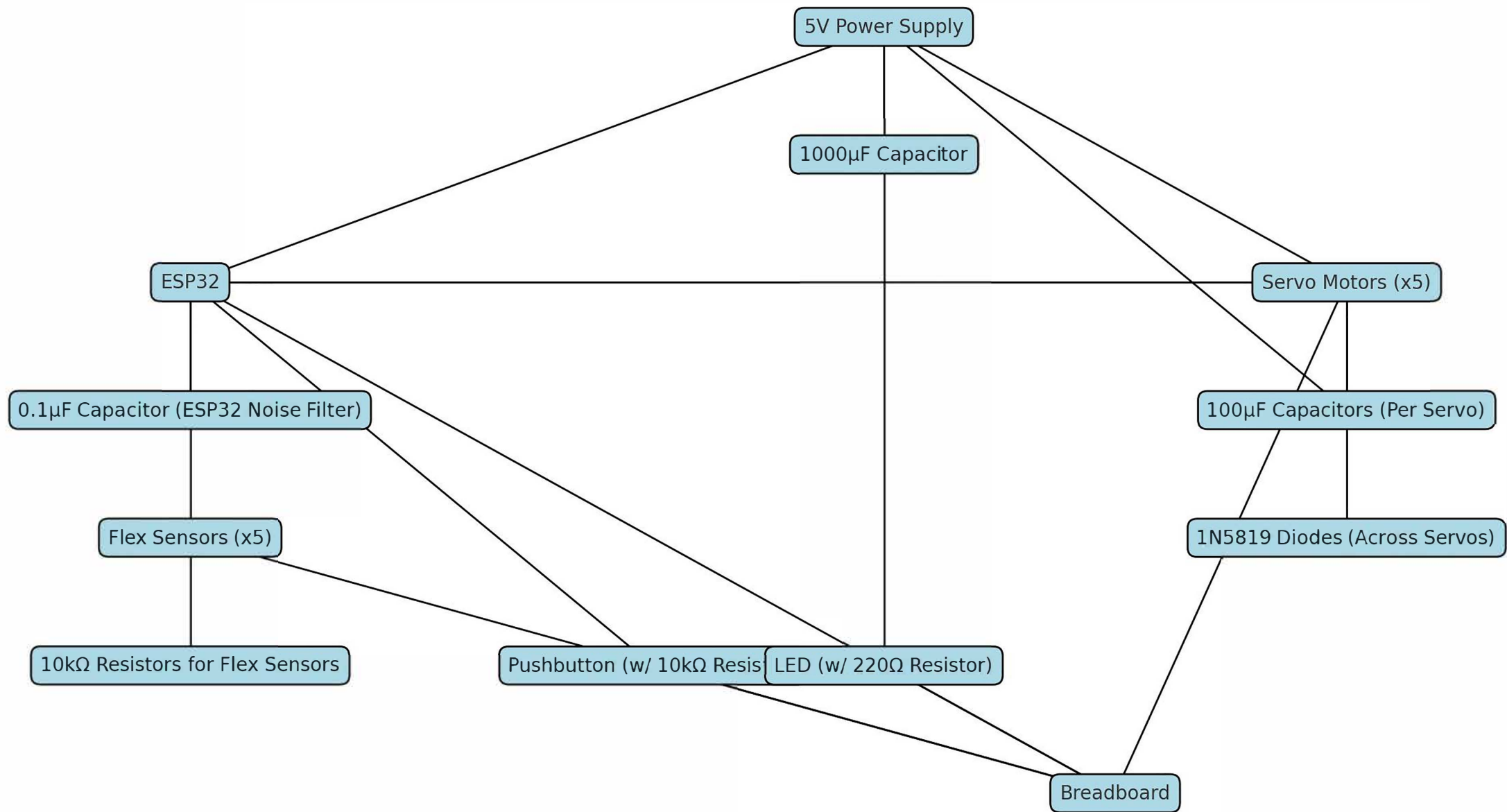


Image 3: Abstract of electrical wiring diagram

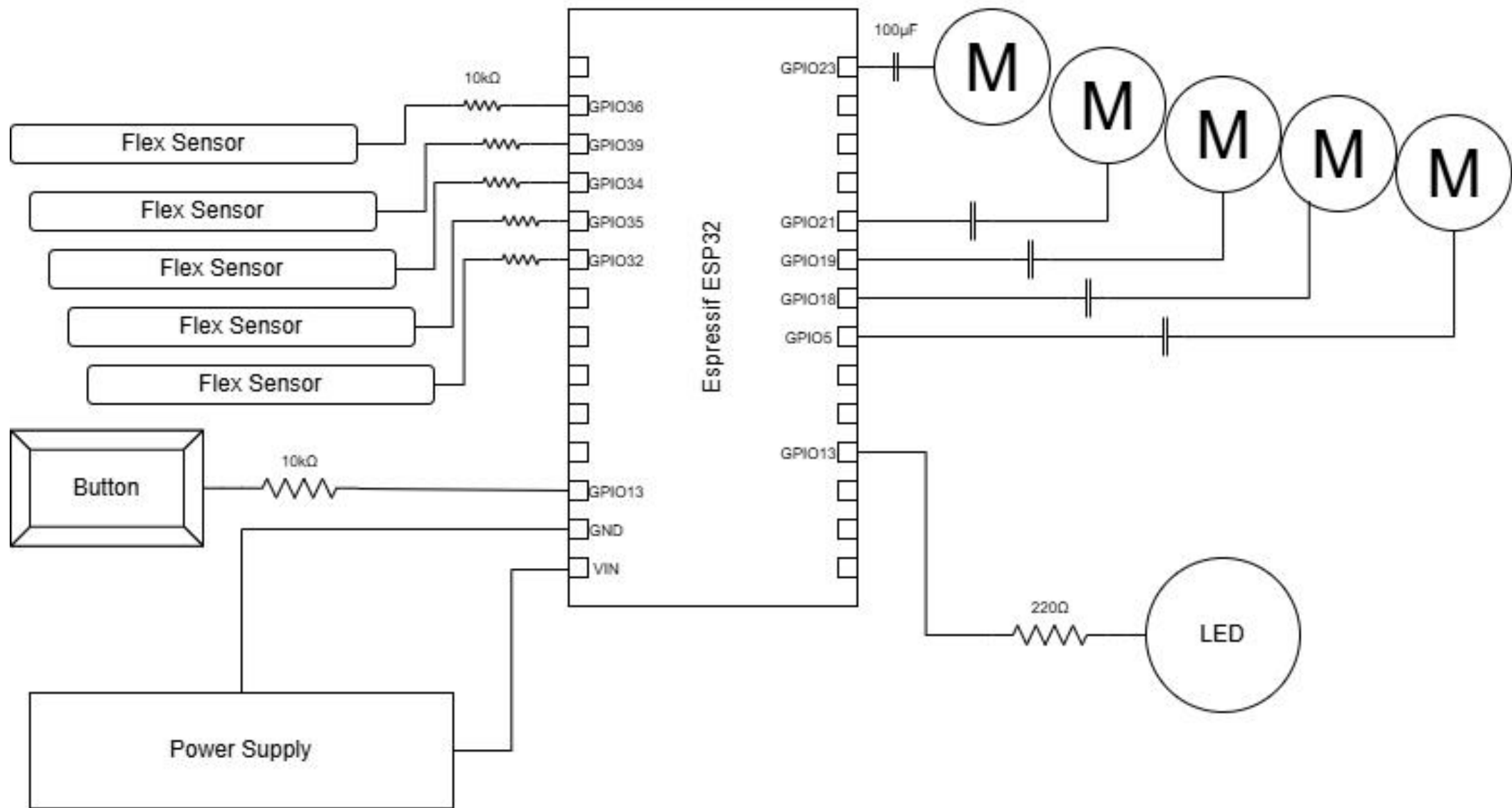
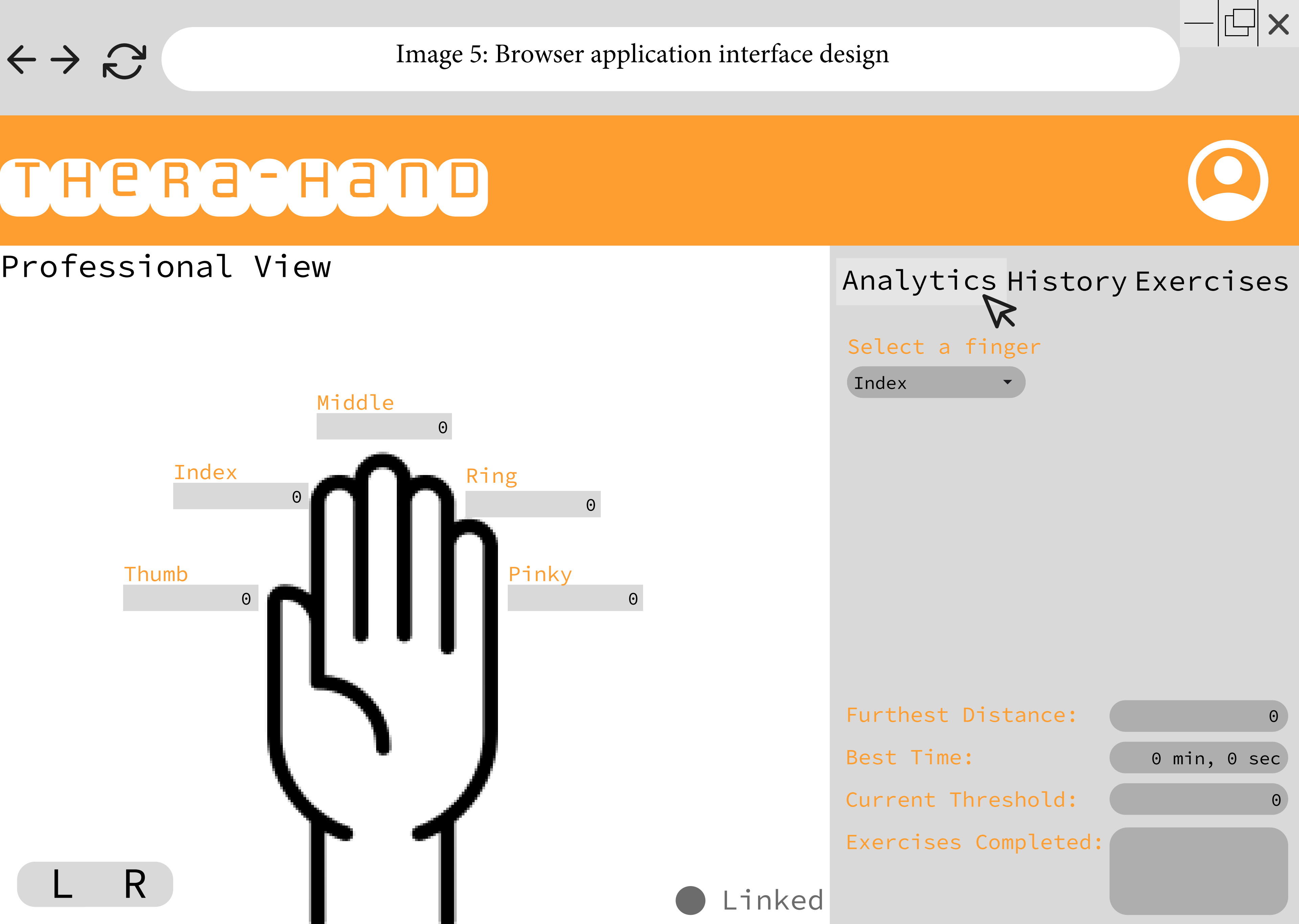


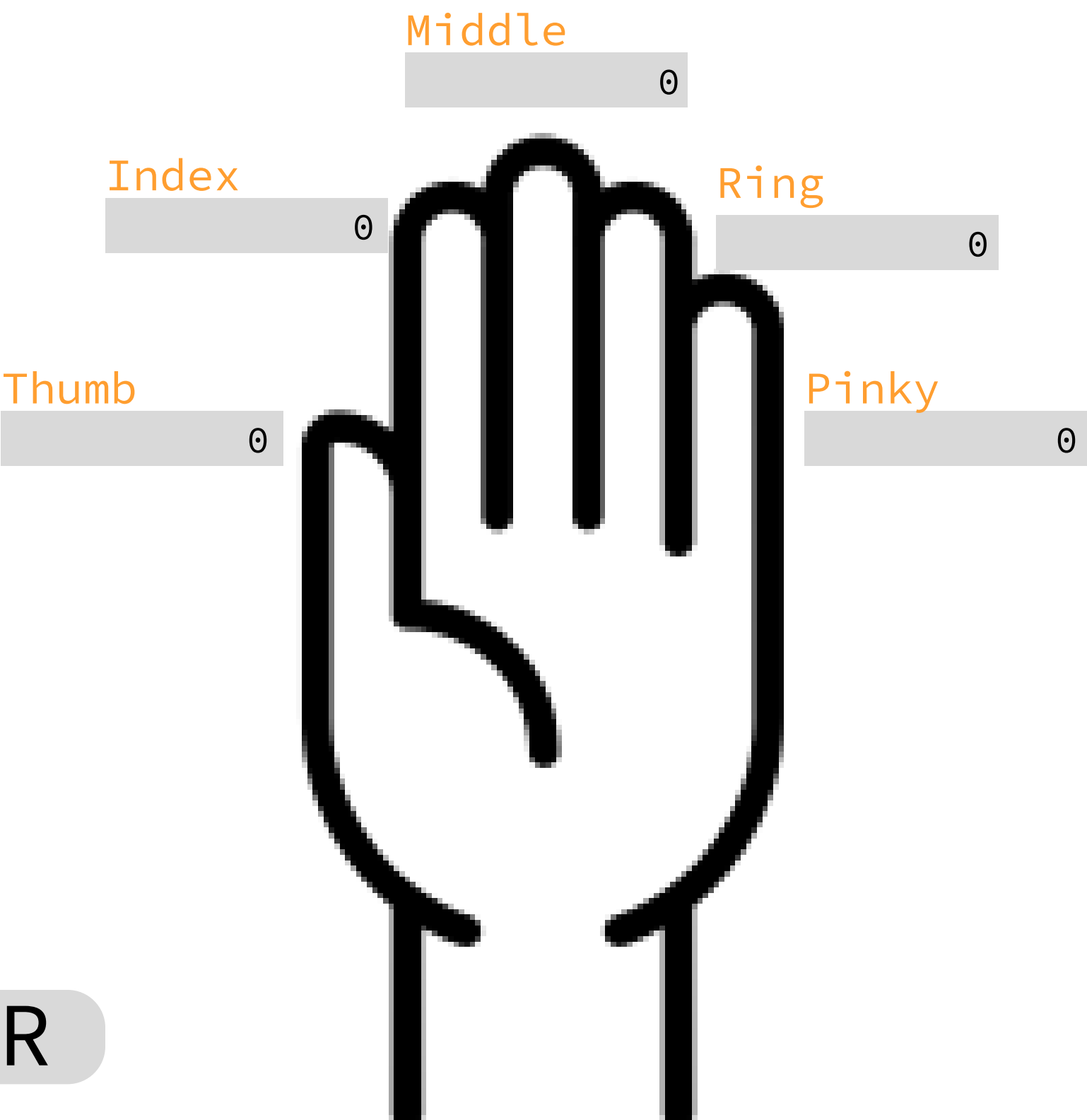
Image 4: Electronic Wiring Diagram



THERA-HAND



Professional View



L R

● Linked

Analytics History Exercises

Select a finger

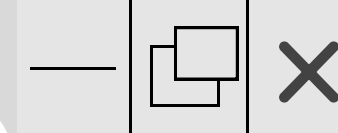
Index ▼

Furthest Distance: 0

Best Time: 0 min, 0 sec

Current Threshold: 0

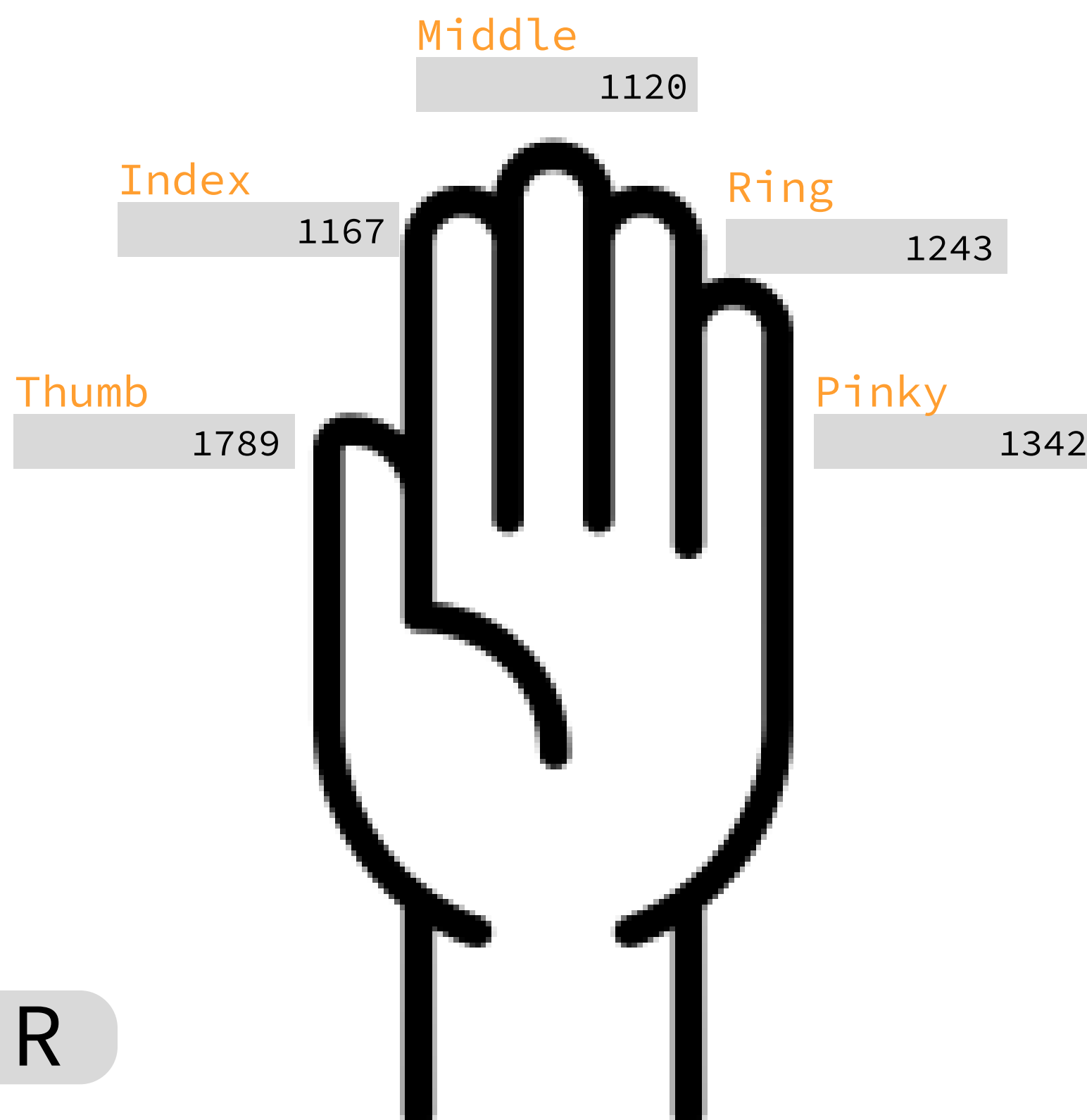
Exercises Completed:



Thera-Hand



Professional View



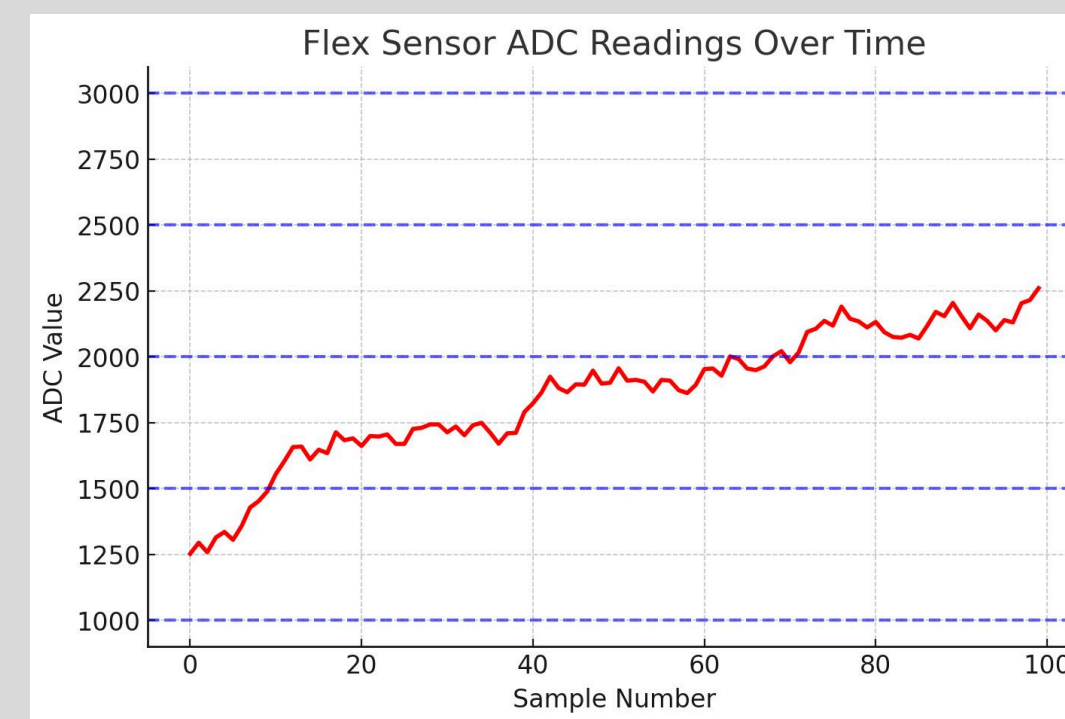
L R

● Linked

Analytics History Exercises

Select a finger

Index ▼



Furthest Distance: 1167

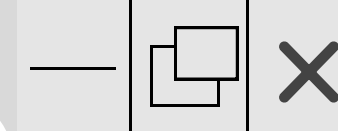
Best Time: 0 min, 12 sec

Current Threshold: 1170

Exercises Completed: Ex 1



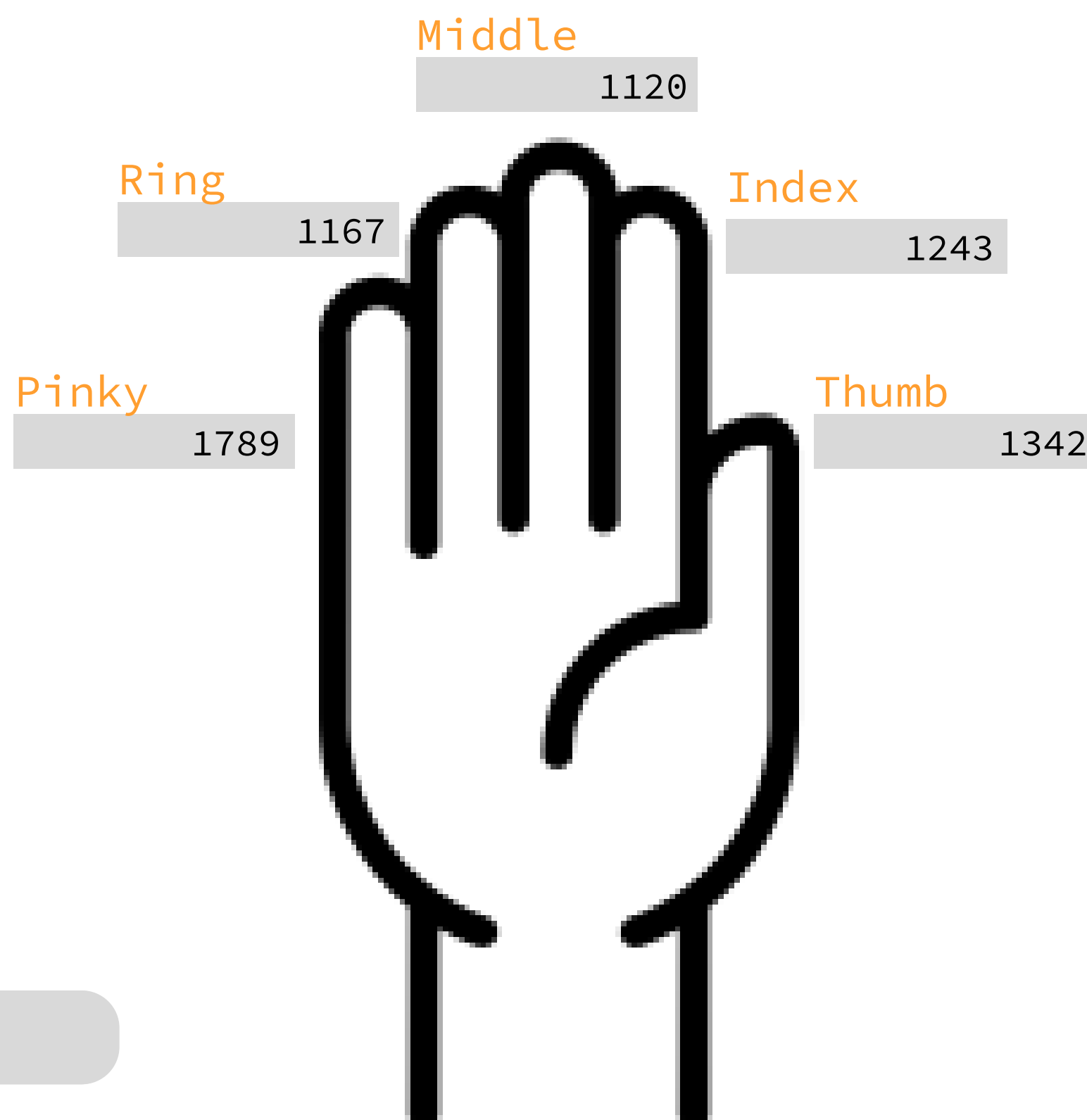
Image 5.2: Linked Interface (L) - Analytics



Thera-Hand



Professional View



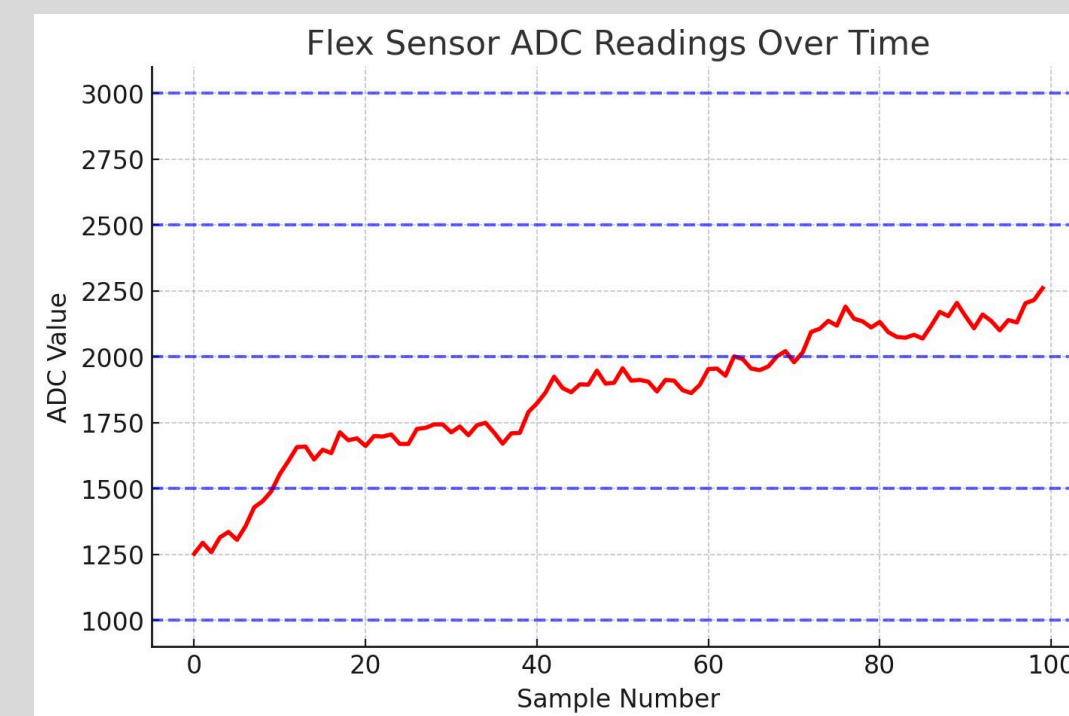
L

● Linked

Analytics History Exercises

Select a finger

Index ▼



Furthest Distance: 1243

Best Time: 0 min, 18 sec

Current Threshold: 1300

Exercises Completed: Ex 1

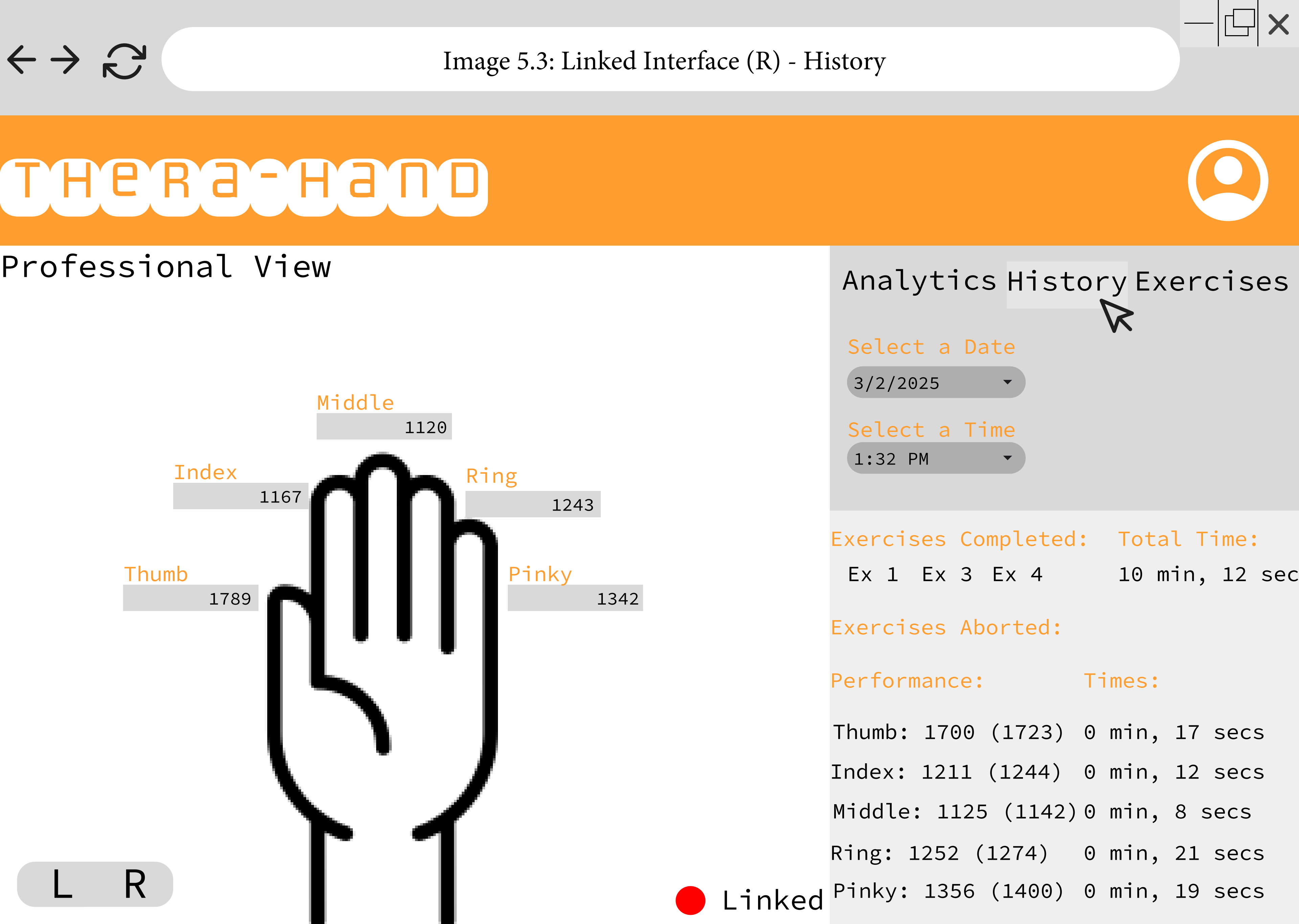
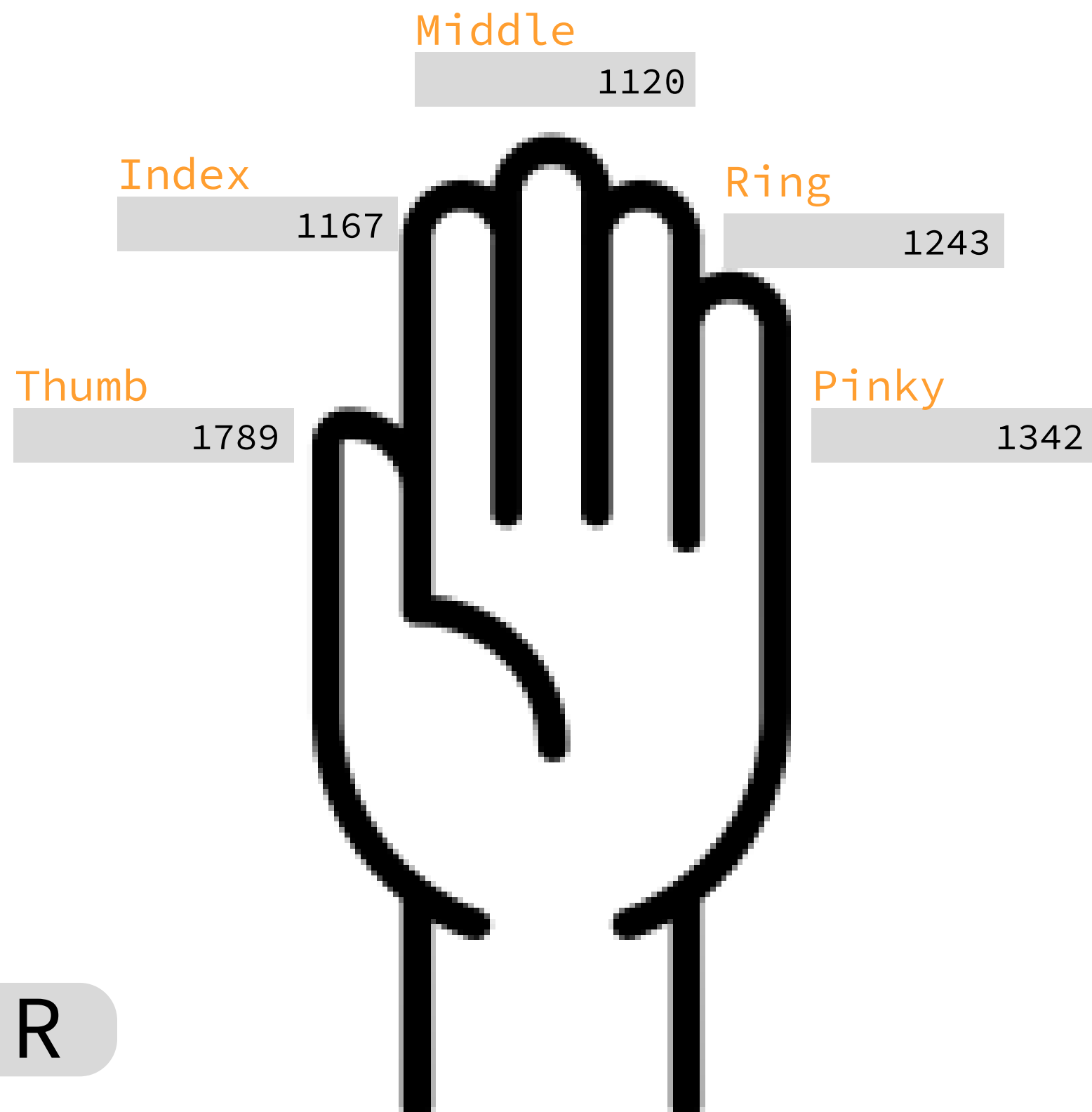


Image 5.3: Linked Interface (R) - History

THERA-HAND



Professional View



L R

Analytics History Exercises

Select a Date

3/2/2025

Select a Time

1:32 PM

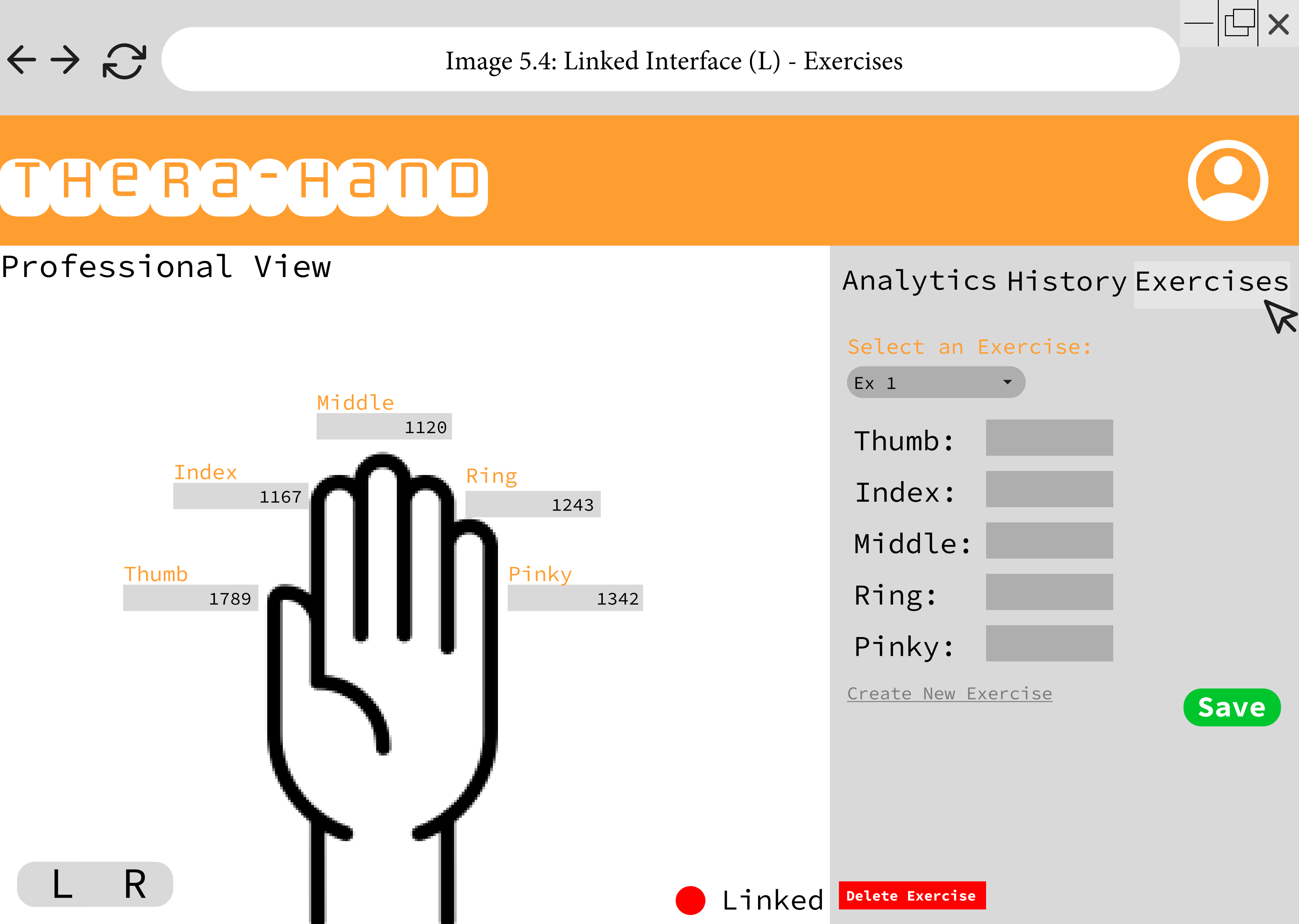
Exercises Completed: Total Time:
Ex 1 Ex 3 Ex 4 10 min, 12 sec

Exercises Aborted:

Performance: Times:

Thumb:	1700 (1723)	0 min, 17 secs
Index:	1211 (1244)	0 min, 12 secs
Middle:	1125 (1142)	0 min, 8 secs
Ring:	1252 (1274)	0 min, 21 secs
Pinky:	1356 (1400)	0 min, 19 secs

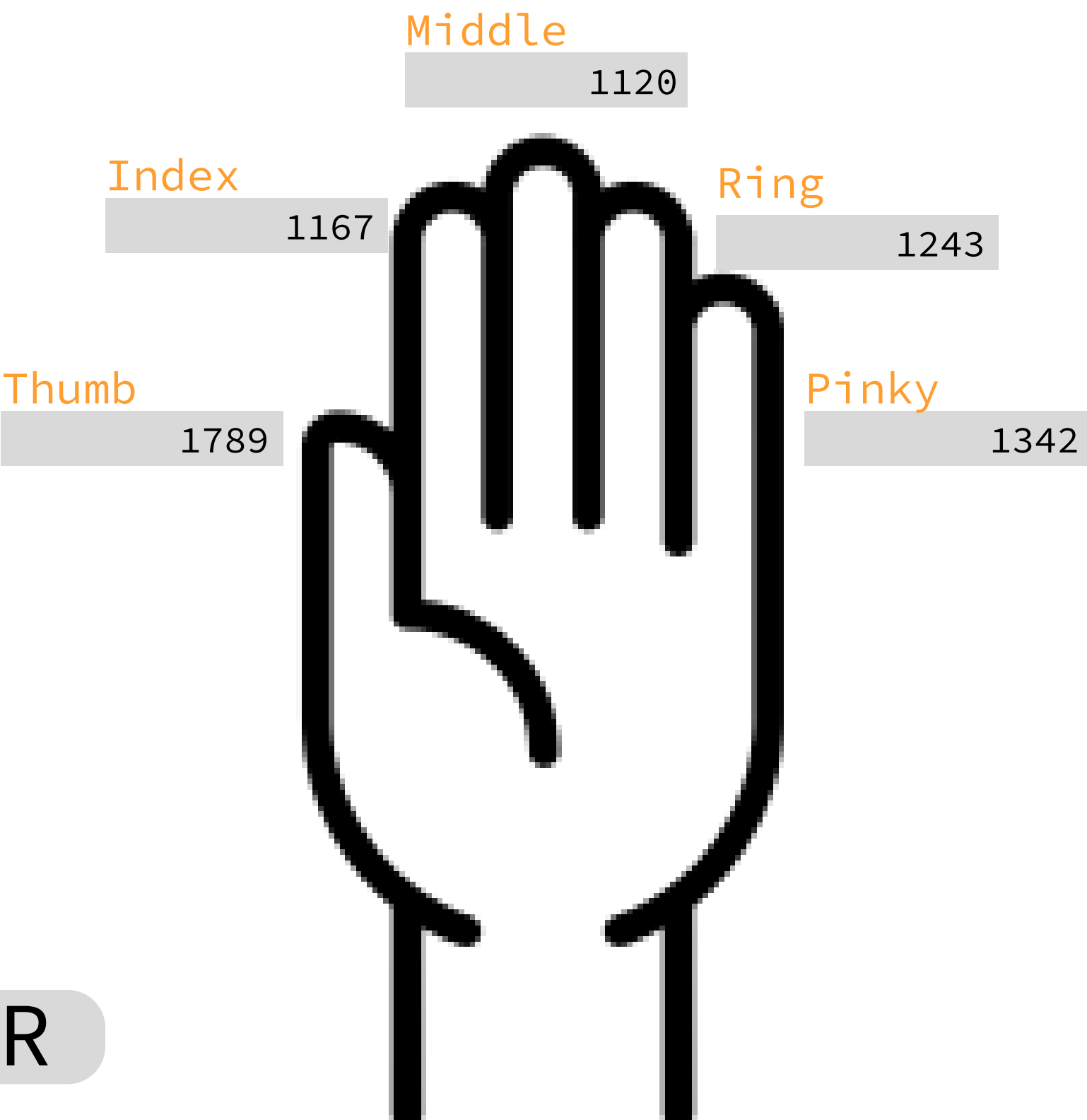
● Linked



THERA-HAND



Professional View



L R

● Linked

Analytics History Exercises

Select an Exercise:

Ex 1

Thumb:

Index:

Middle:

Ring:

Pinky:

[Create New Exercise](#)

Save

Delete Exercise

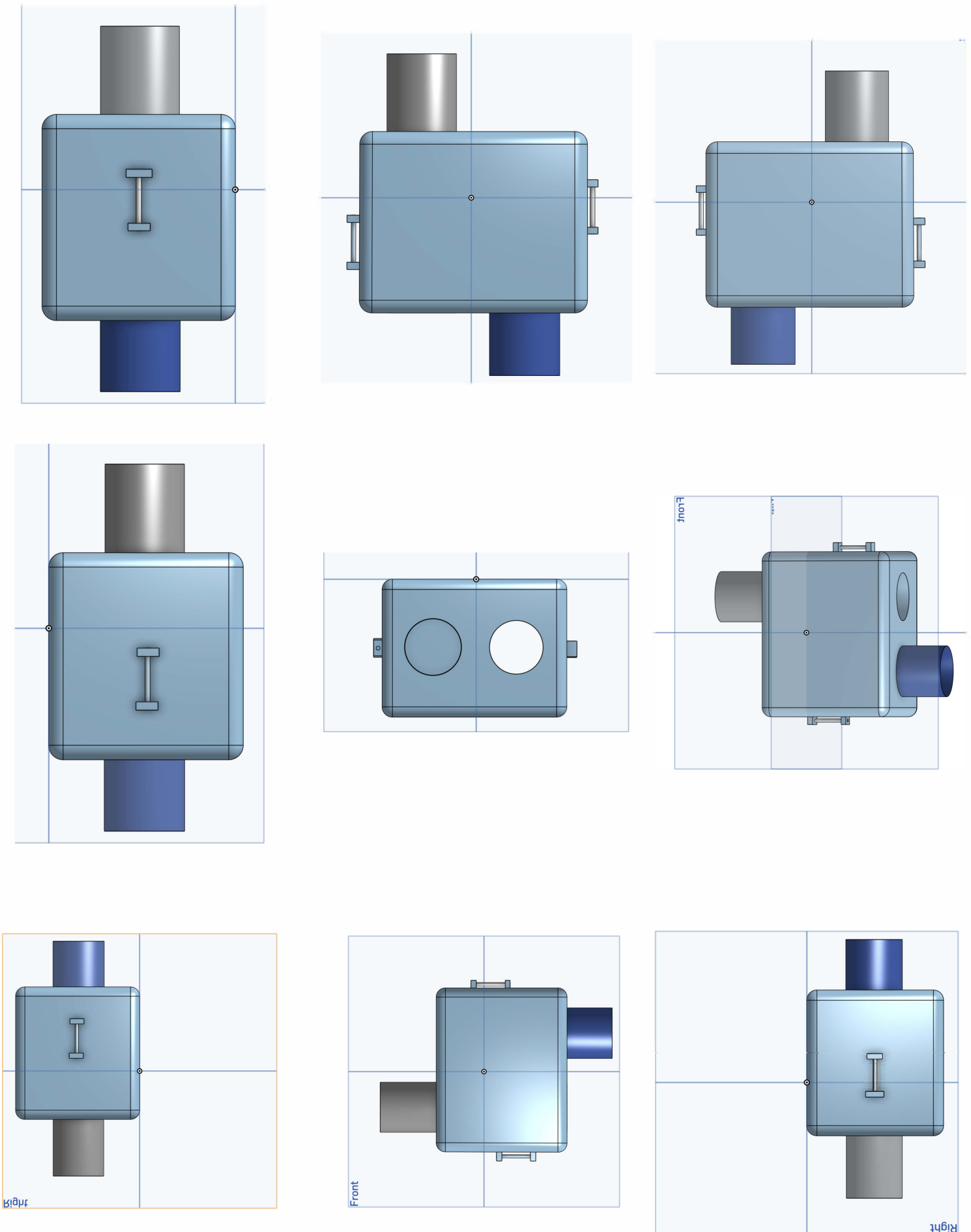


Image 6: Detailed CAD Design for 3D Component