



Funka Accessibility Days

• Stockholm 2019 •

Jamie + Lion



Speech is hard



Hello, i'm Jamie



I'm Lion



Disclaimer.

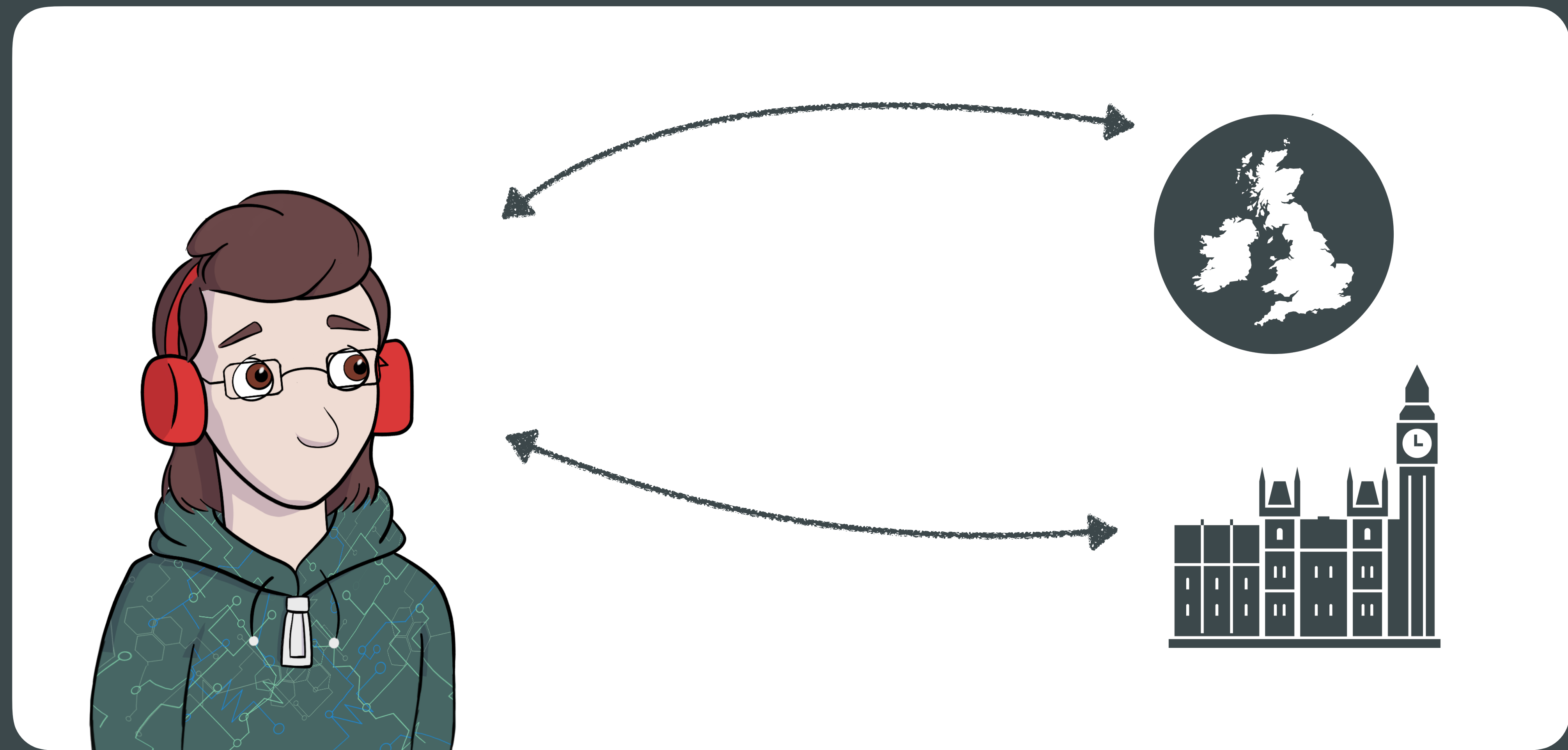
This is not science.

I am one person, talking about how
I use things.

This is anecdote, and i don't speak
for all autistic people.







Interactions between me, my country & my government.



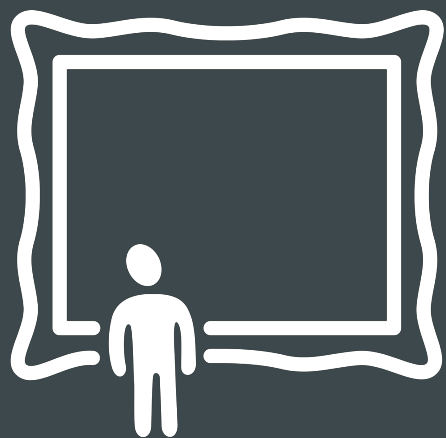
Lenses & Questions



Modelling Disability - the lens I use in my life



Cognitive Access Model - finding good questions

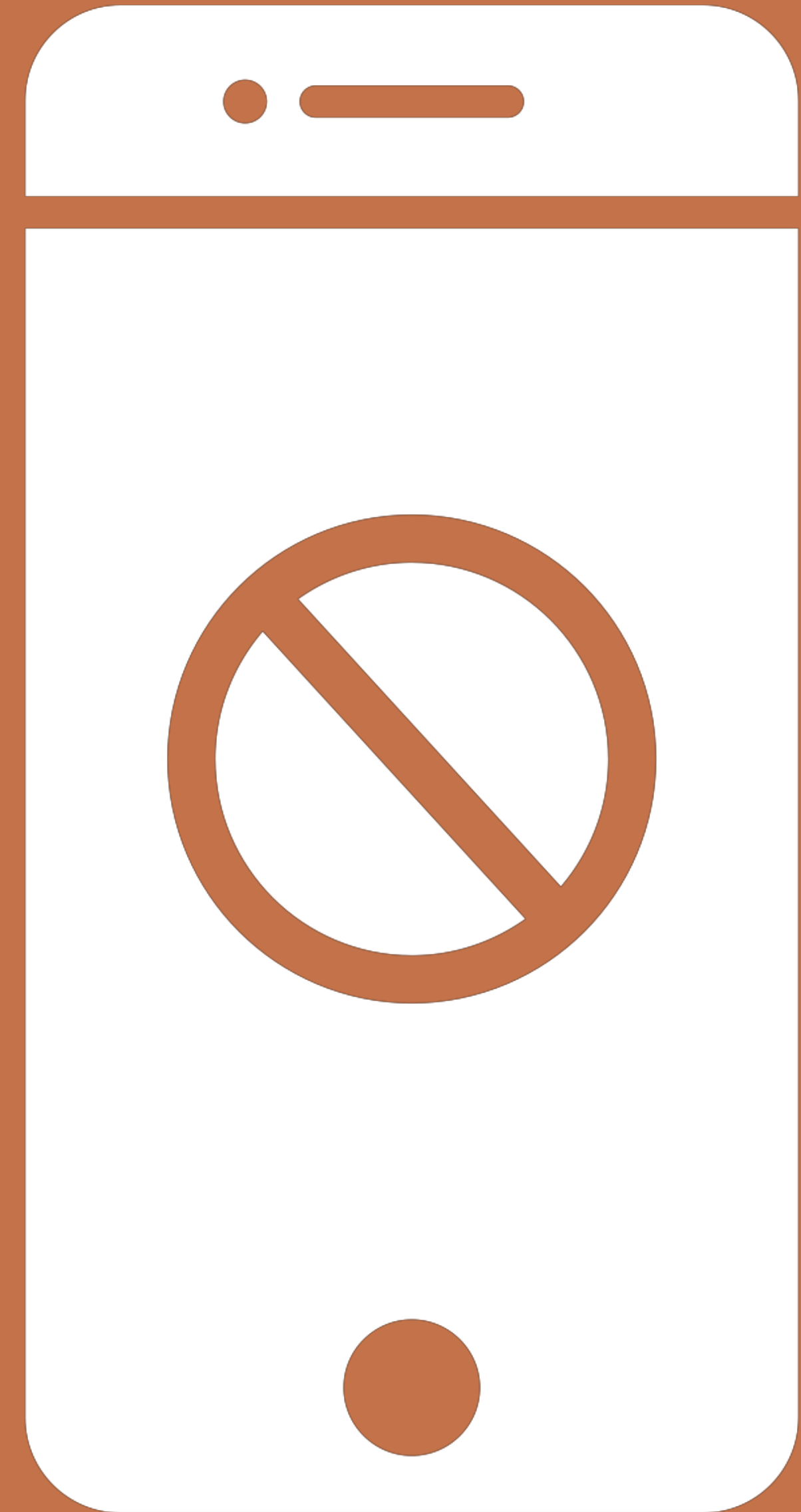


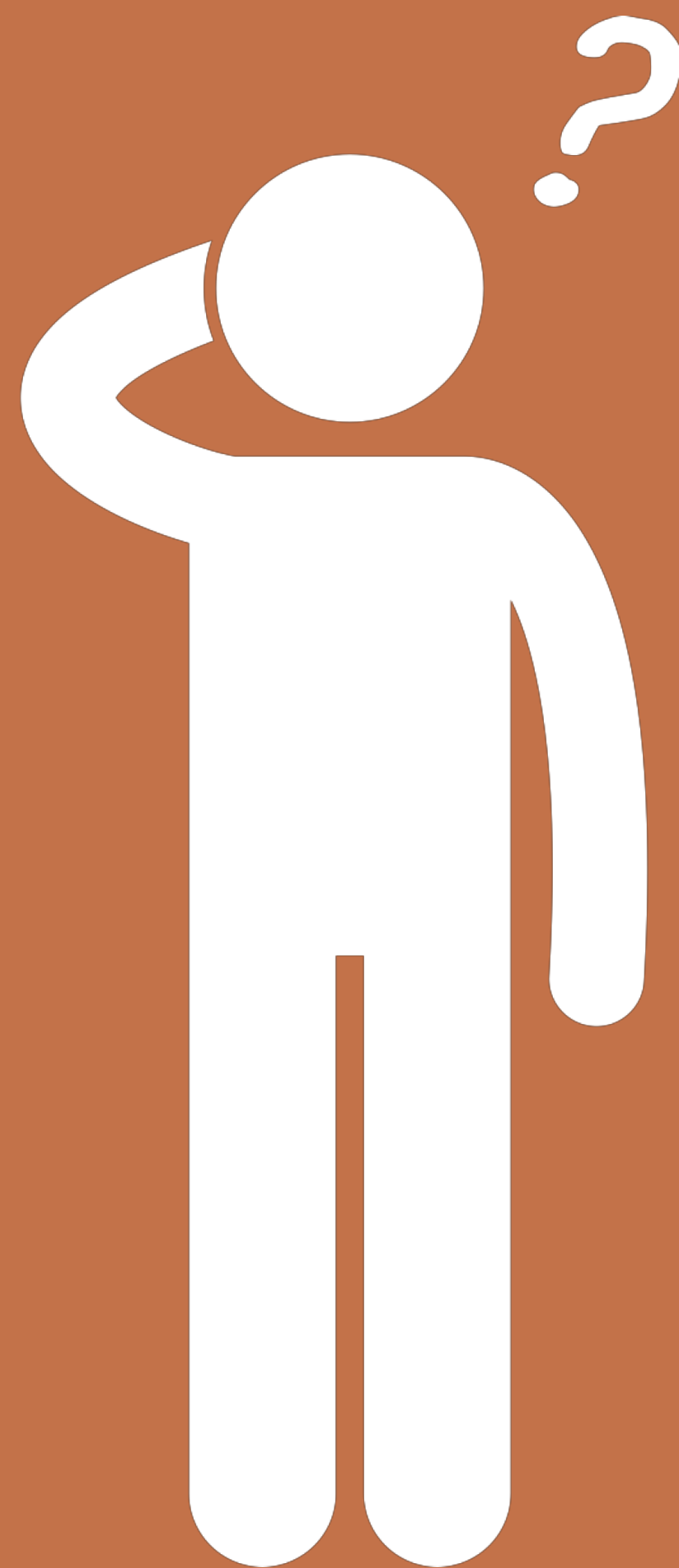
The Big Picture - diversity at large



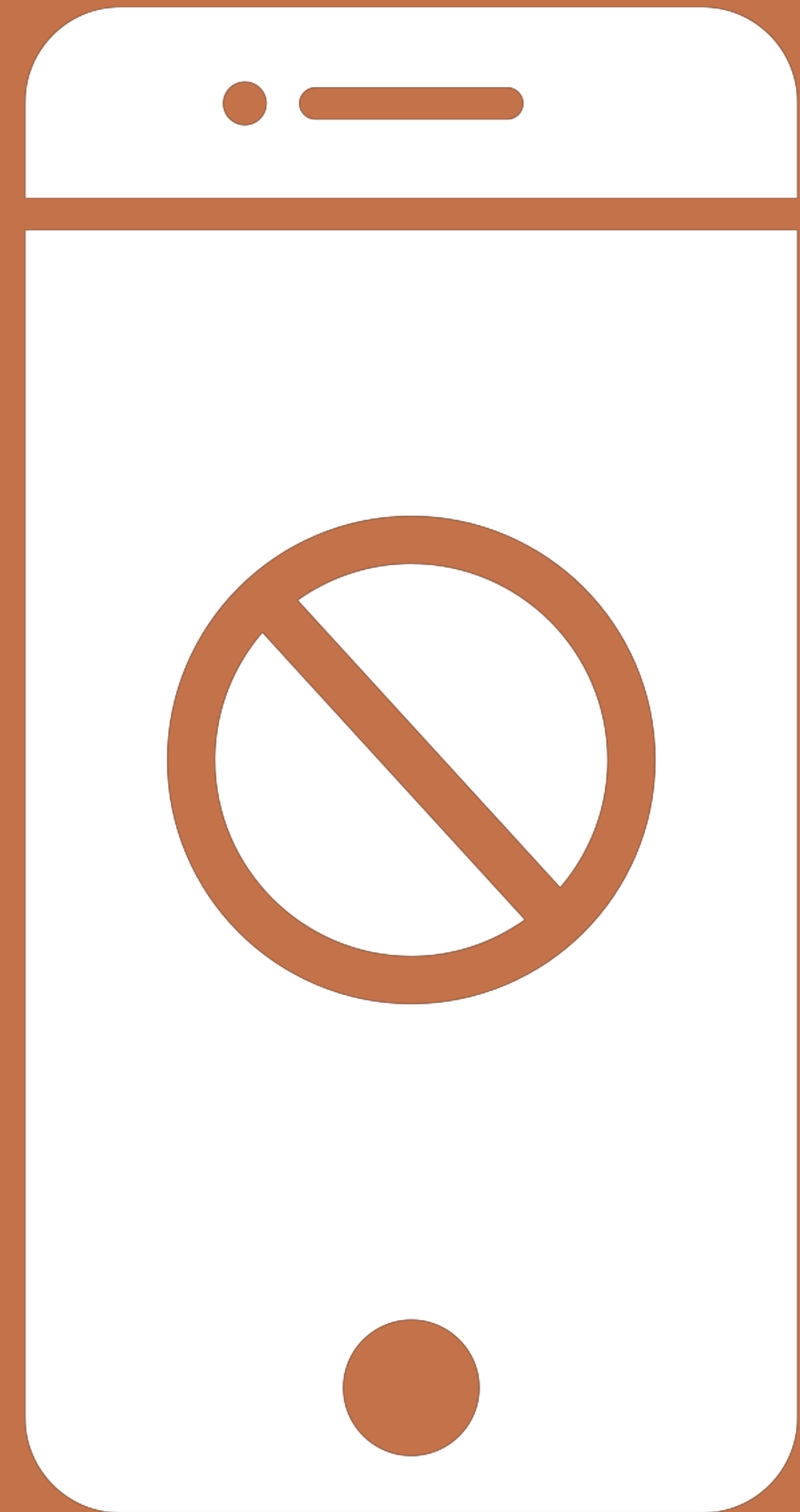
Modelling Disability - the lens I use in my life

“Our goals is to make
sure our websites, apps
and services don't
disable people.”



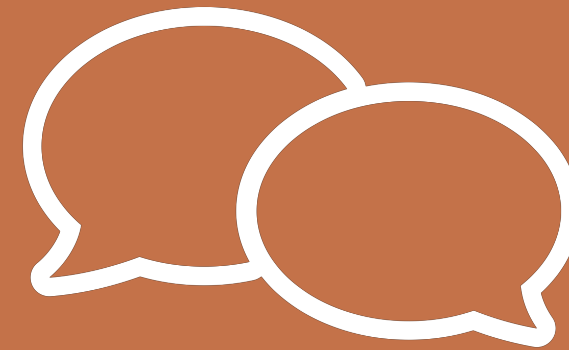


“Our goals is to make
sure our websites, apps
and services **don't**
disable people.”





Disability has many lenses.



Impairment.

The factual difference. The specific areas thing. Eg, Speech, Routine, Safety Awareness



Environment

The things around me. Buildings, attitudes, beliefs and expectations.

Impairment
+ Environment

Disability



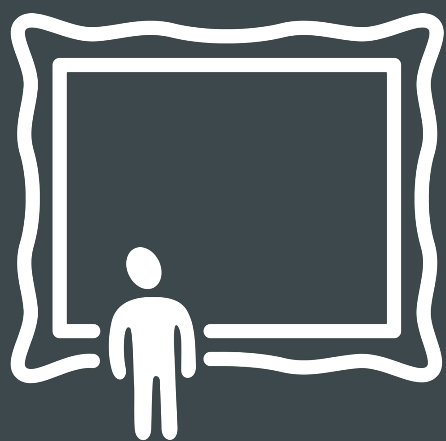
As designers we disable people
when we don't get it right.



~~Modelling Disability - the lens I use in my life~~



Cognitive Access Model - finding good questions



The Big Picture - diversity at large



Cognitive Access Model
finding good questions

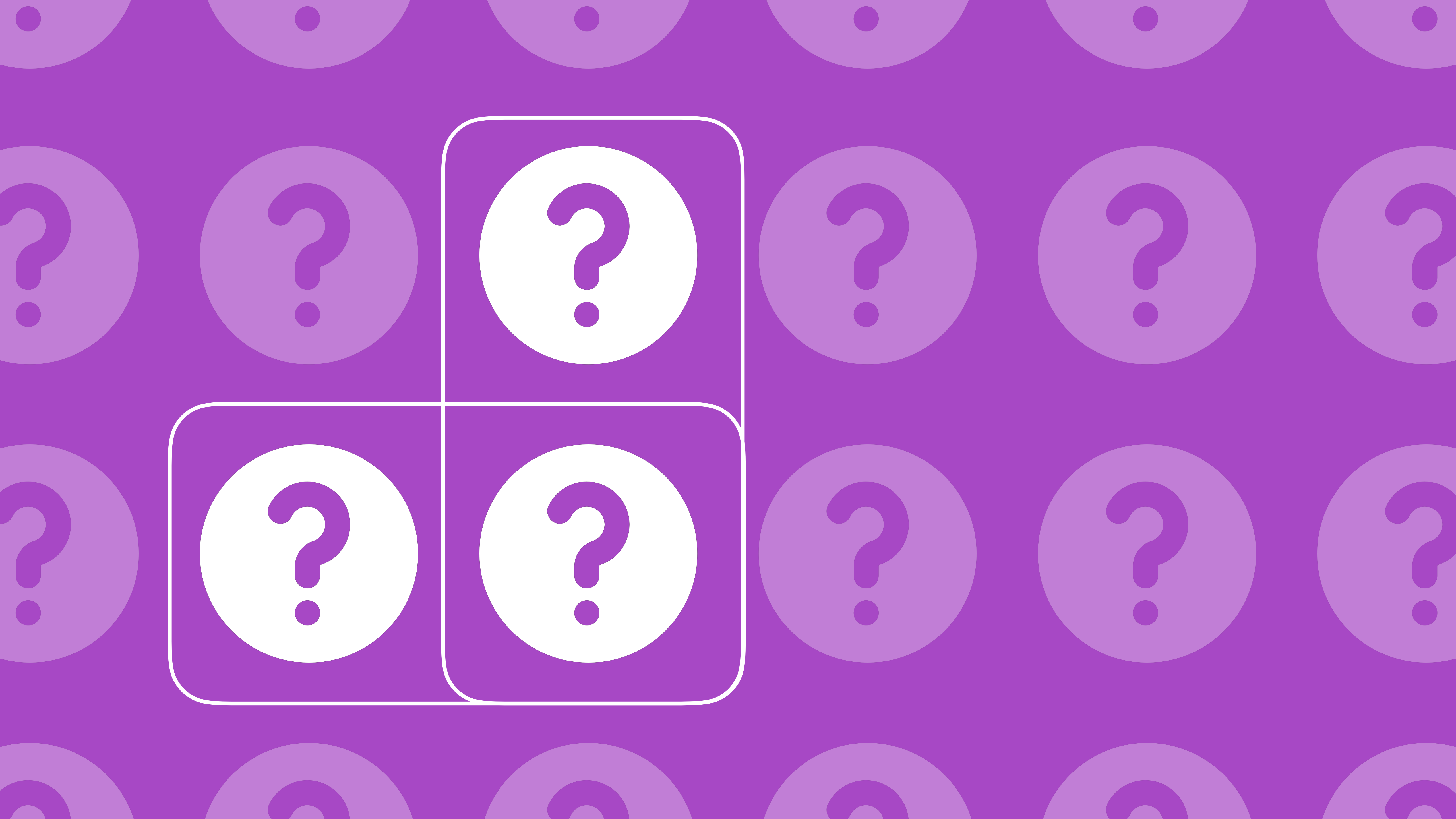


Questions?

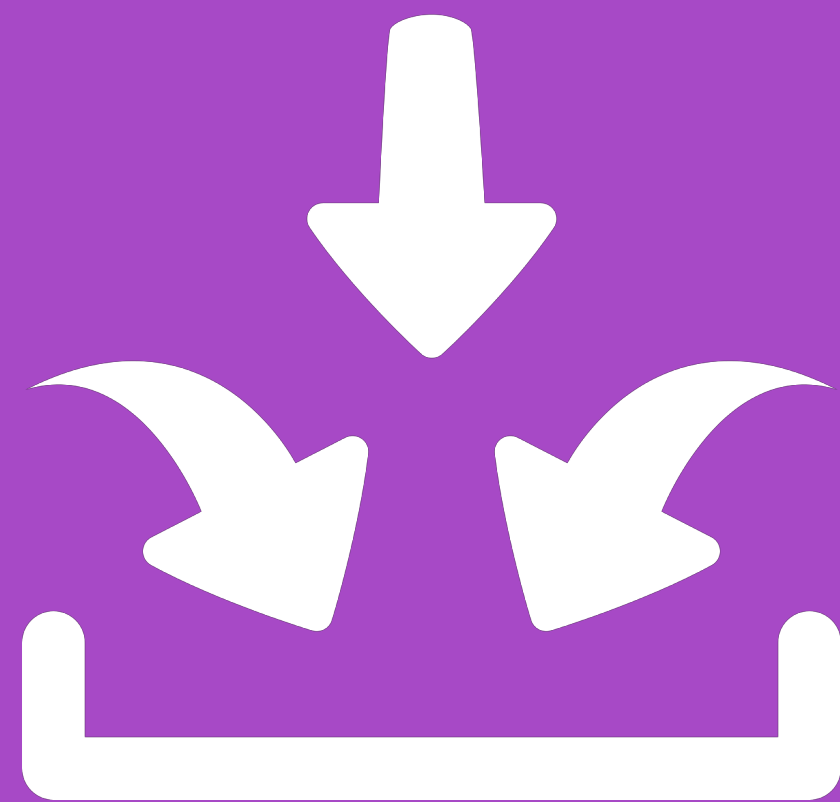
**“A tool for discussion or under discussion;
a matter for investigation.**

source: [dictionary.com](https://www.dictionary.com)



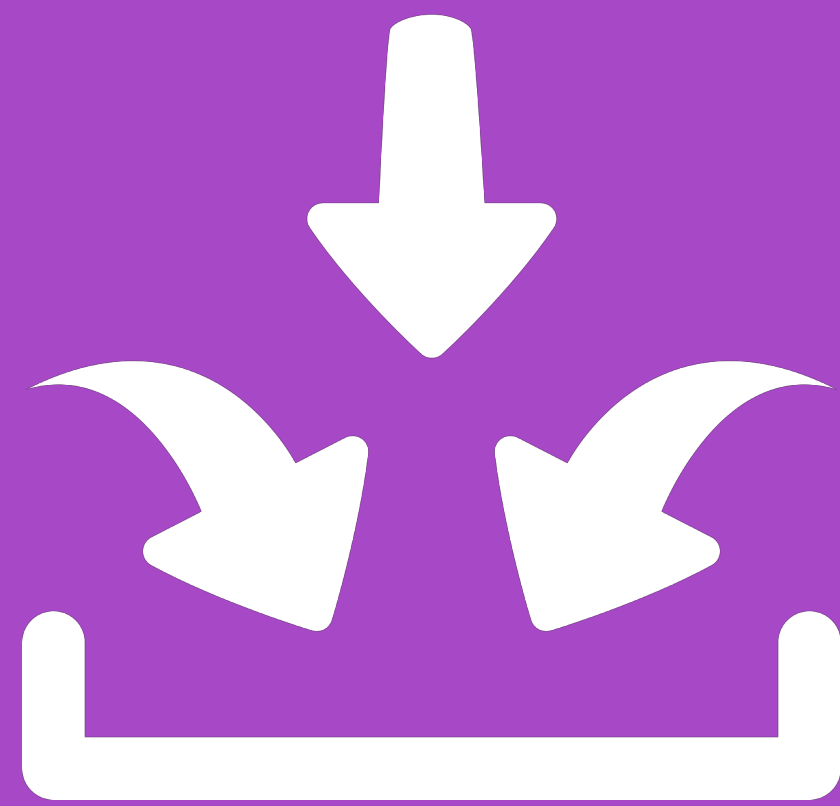




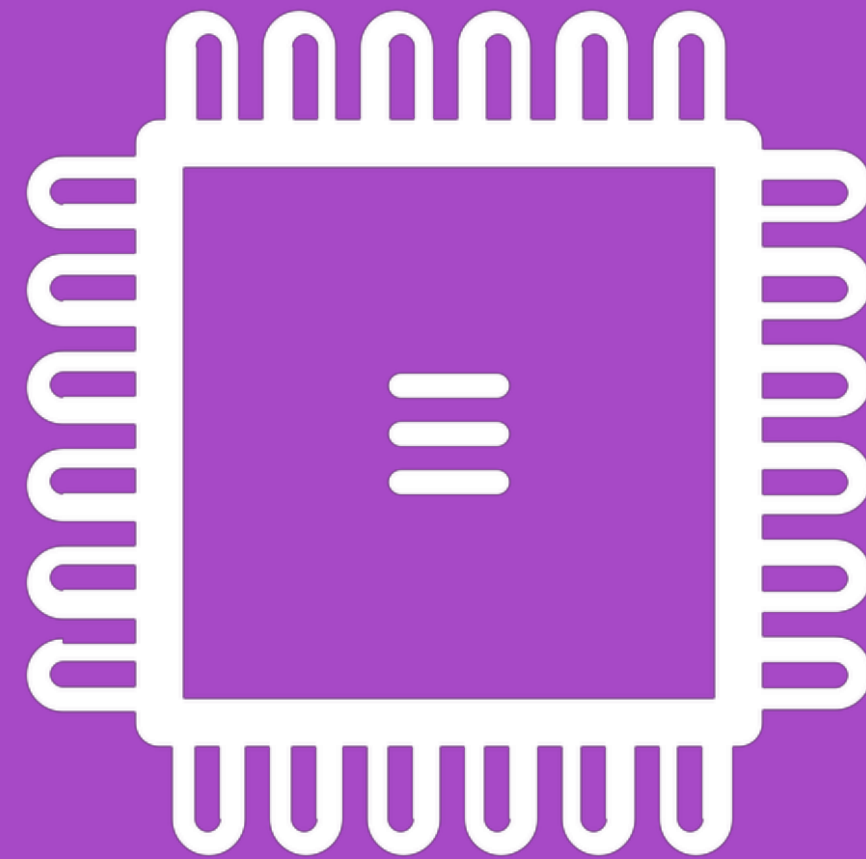


Receiving



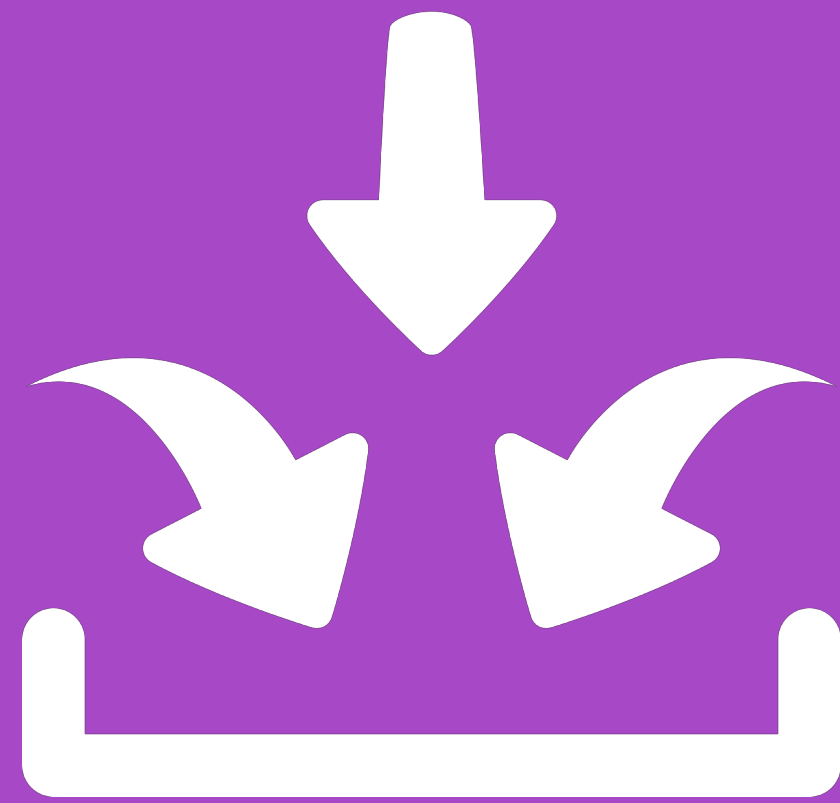


Receiving

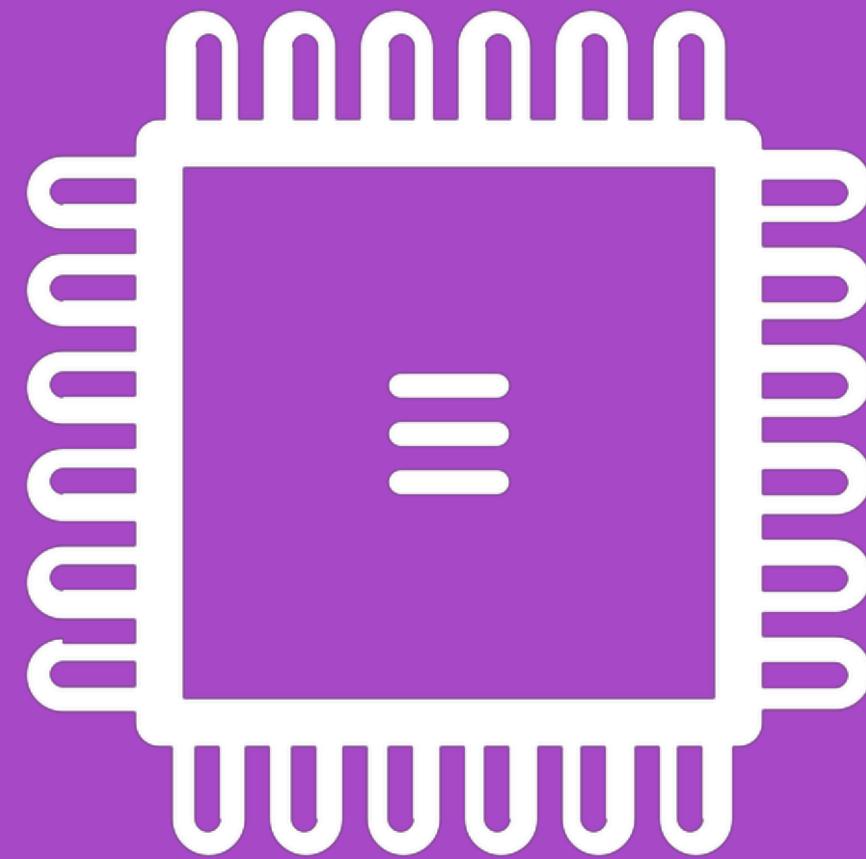


Processing





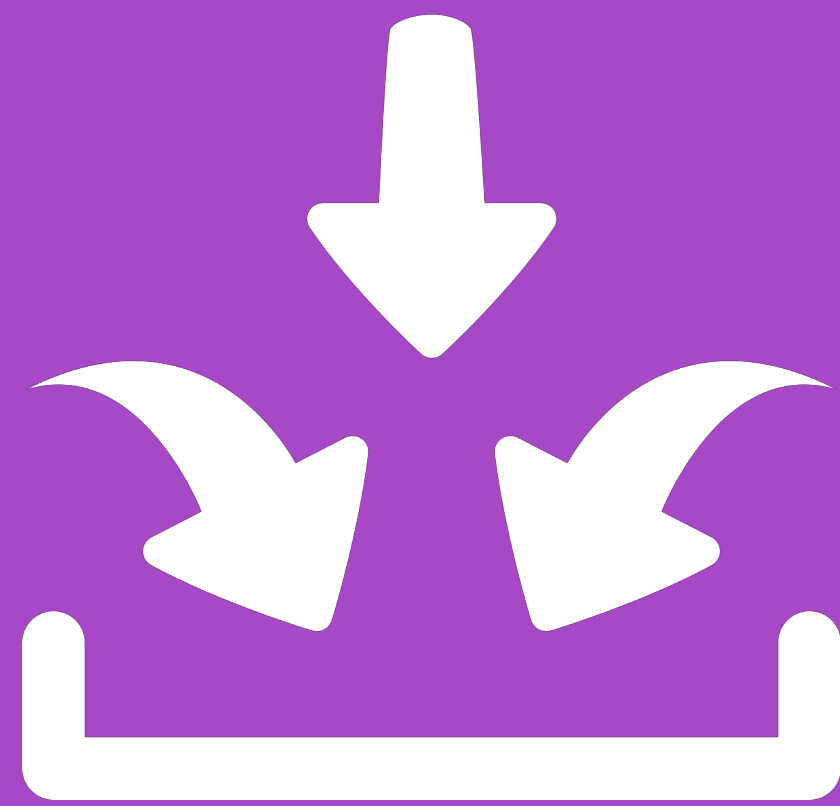
Receiving



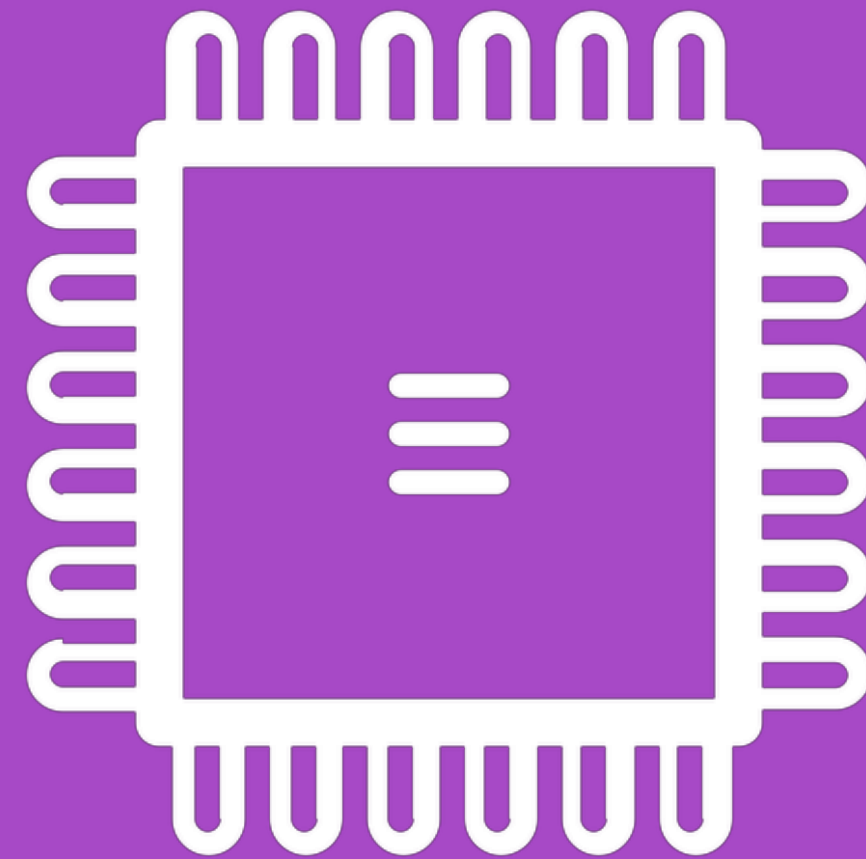
Processing



Actioning



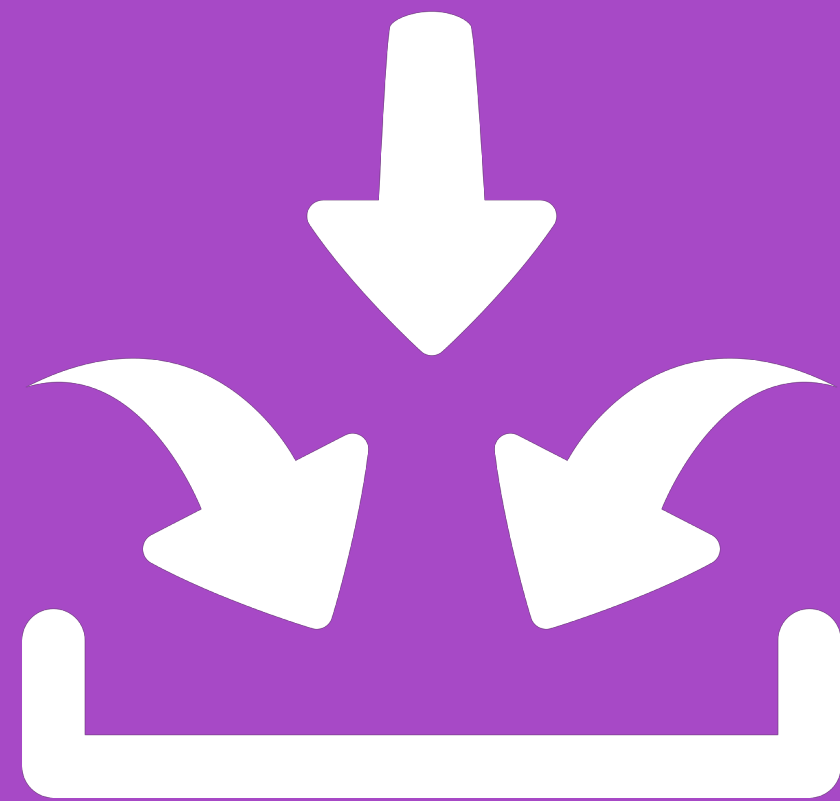
Receiving



Processing



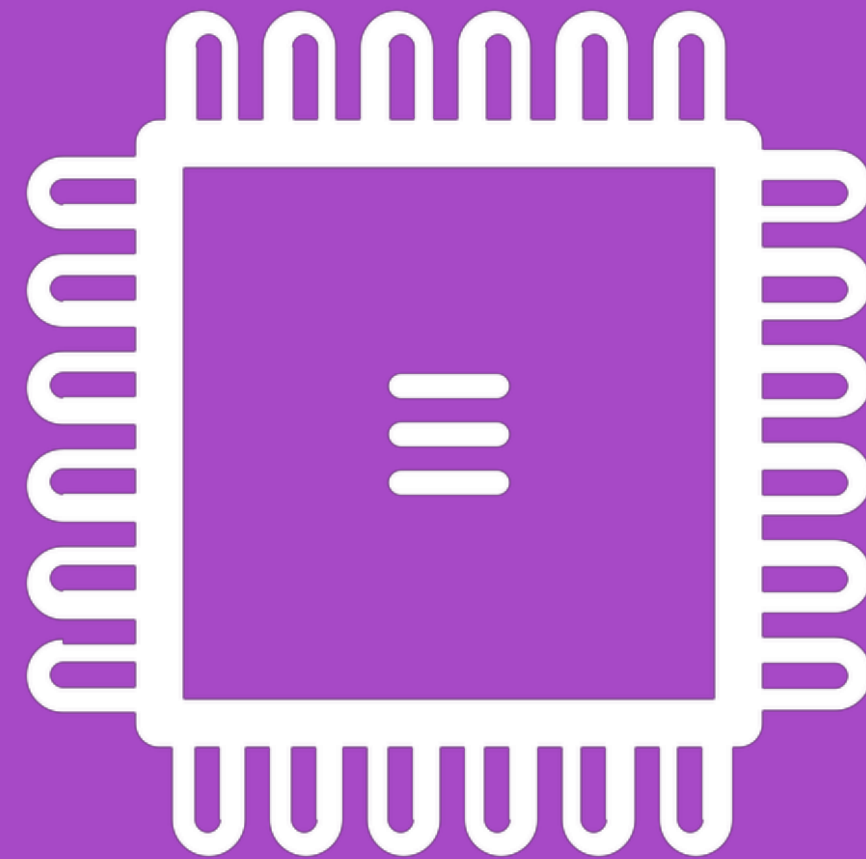
Actioning



Receiving

Perception

Affordance



Processing



Actioning

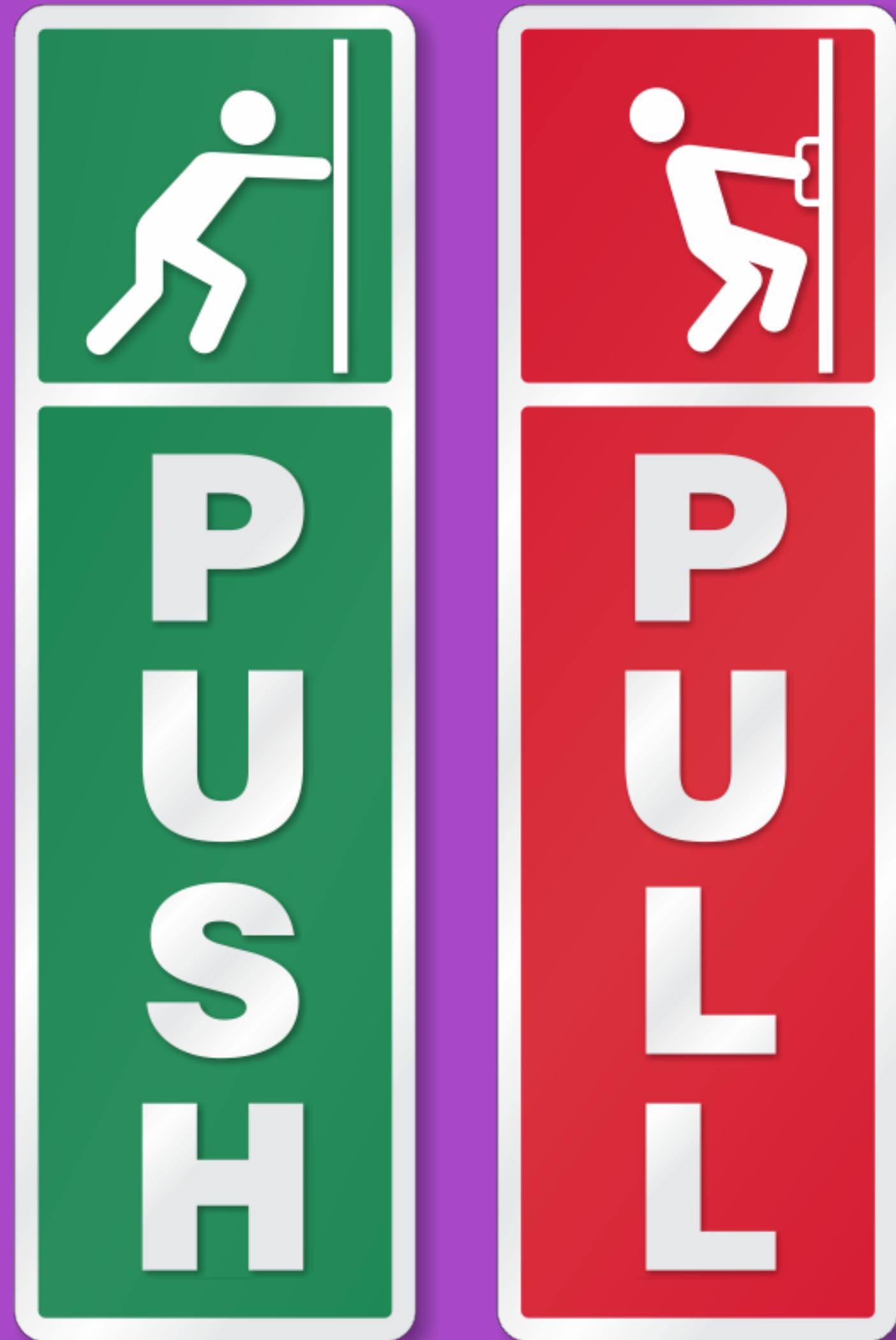


Perception.

The environment needs to provide me with information in clear ways without assuming too much context.

Good Example:

Nest protect - verbal warning, instructions on how to resolve



Affordances.

The environment needs to make possible actions easy to see and comprehend.

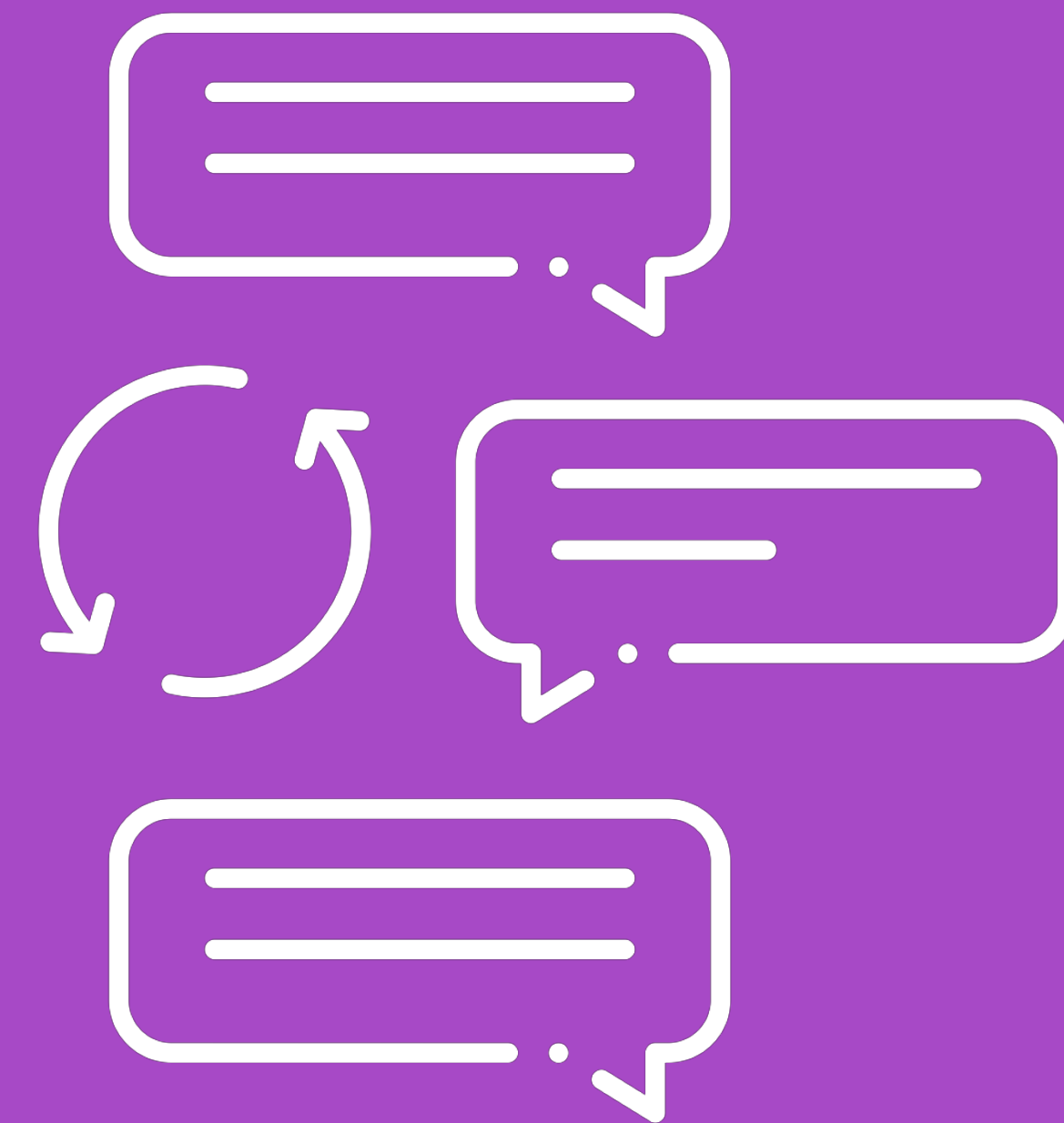
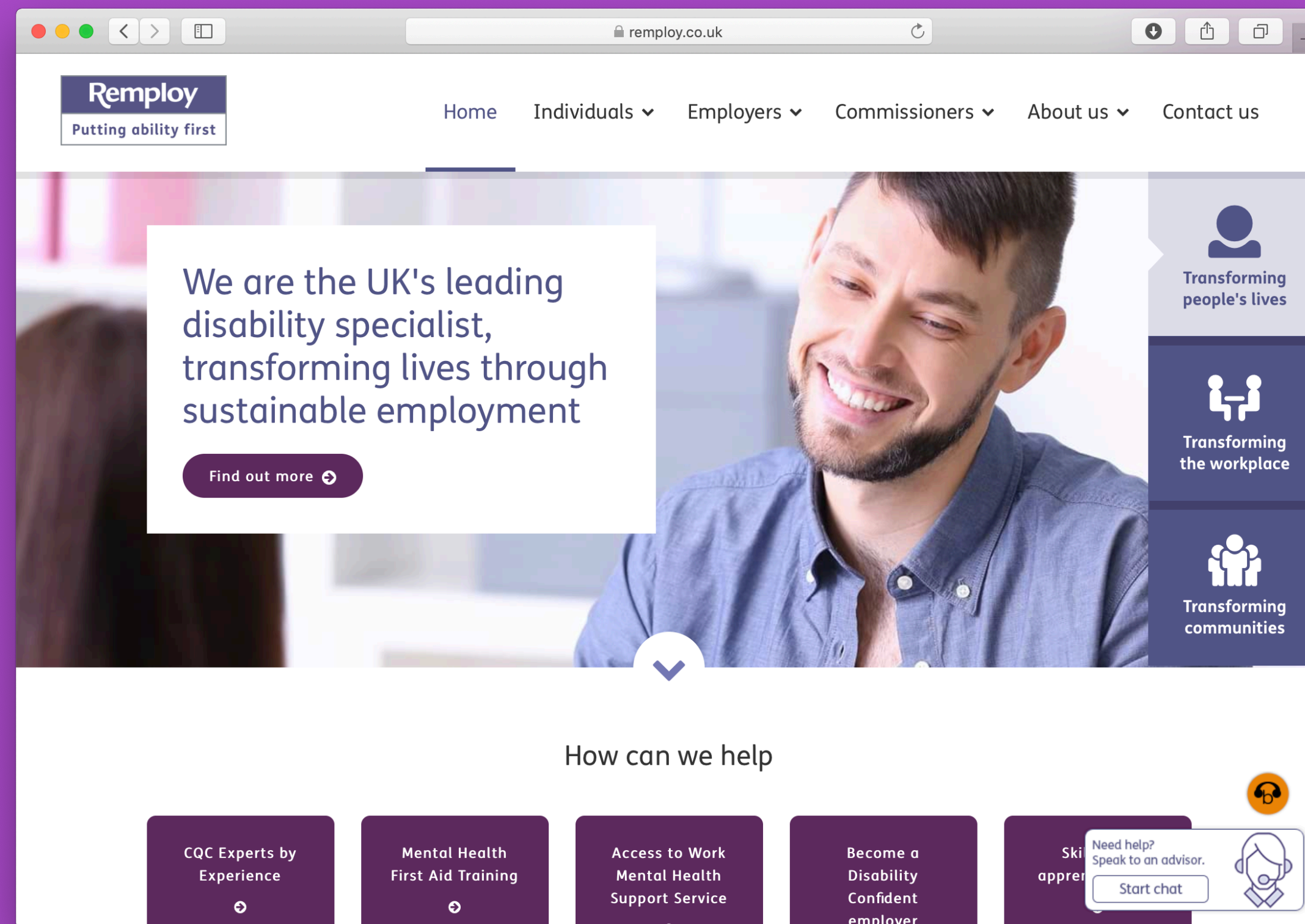
Good Example:

Push / Pull door signs, works + images + colour.



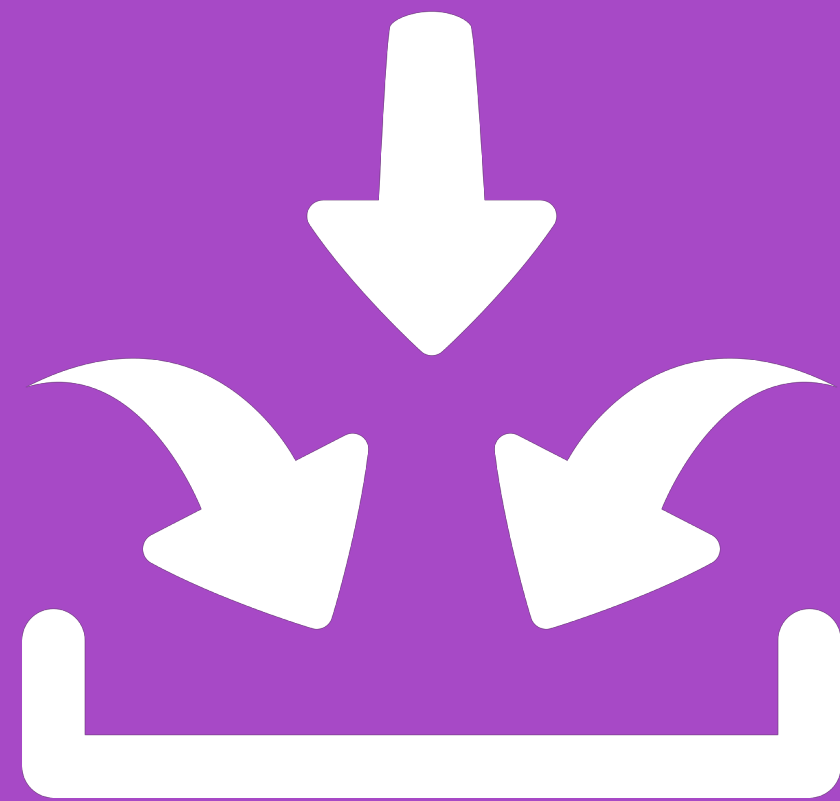
Good Example:
Heathrow customs options. Identifiable & clear options





Good Example:
Access To Work via Remploy - understanding support options

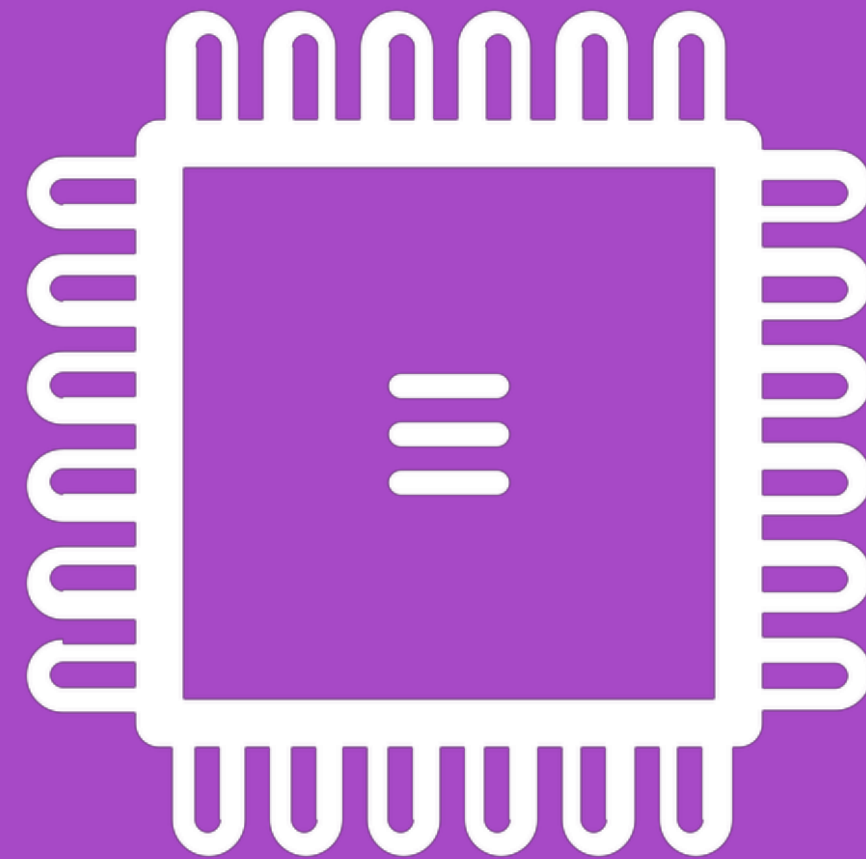




Receiving

Perception

Affordance



Processing

Filtering

Deciding



Actioning

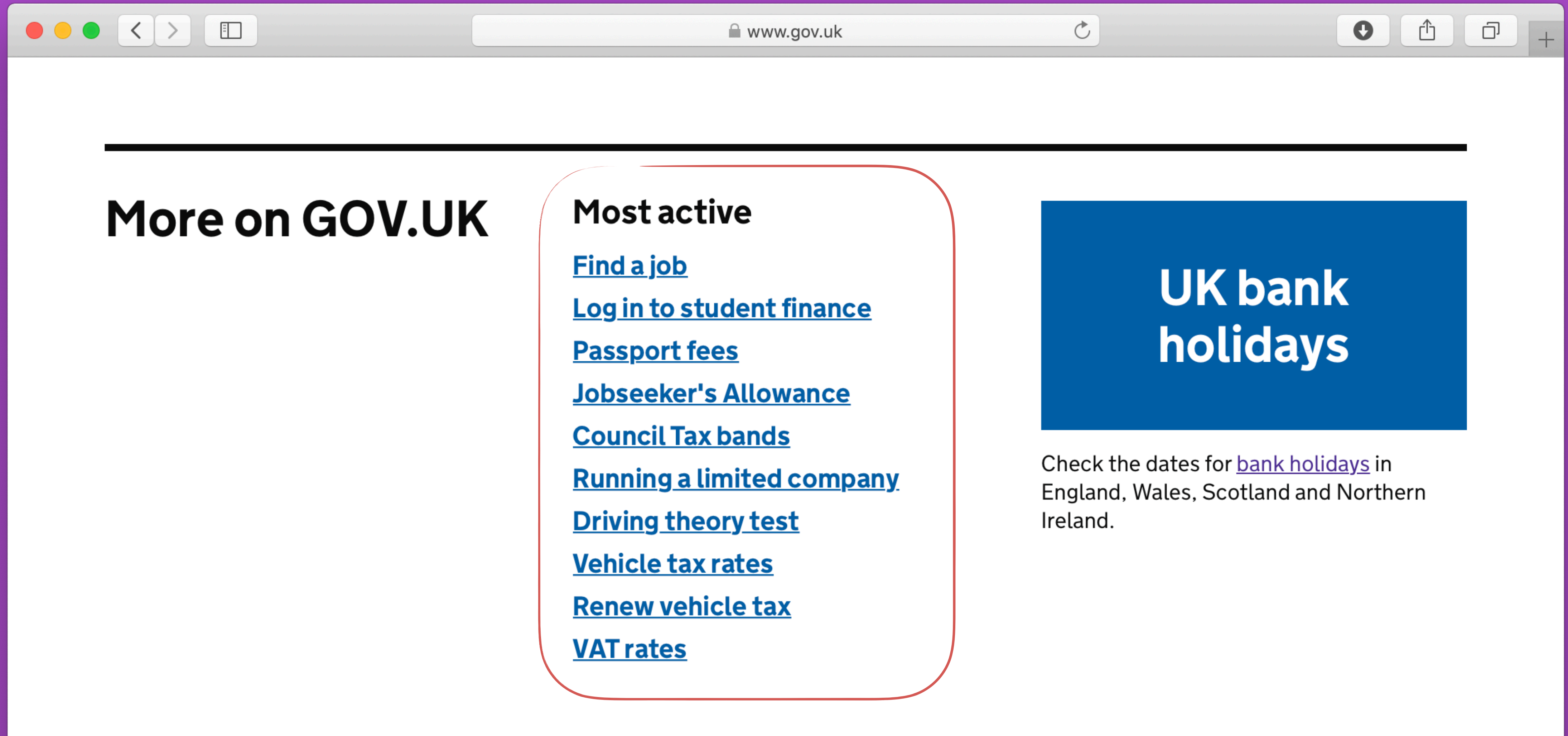


Filtering.

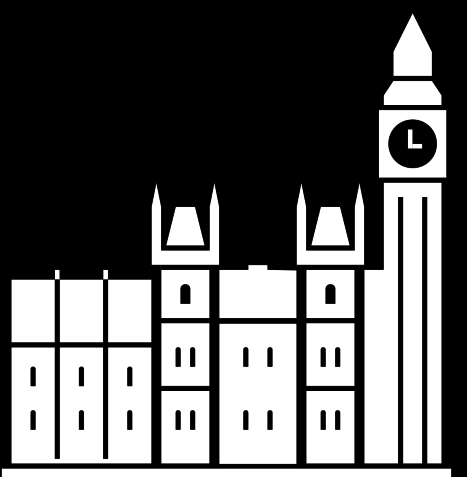
Give me control of options and sensory input. Allow me choices, never assume ability.

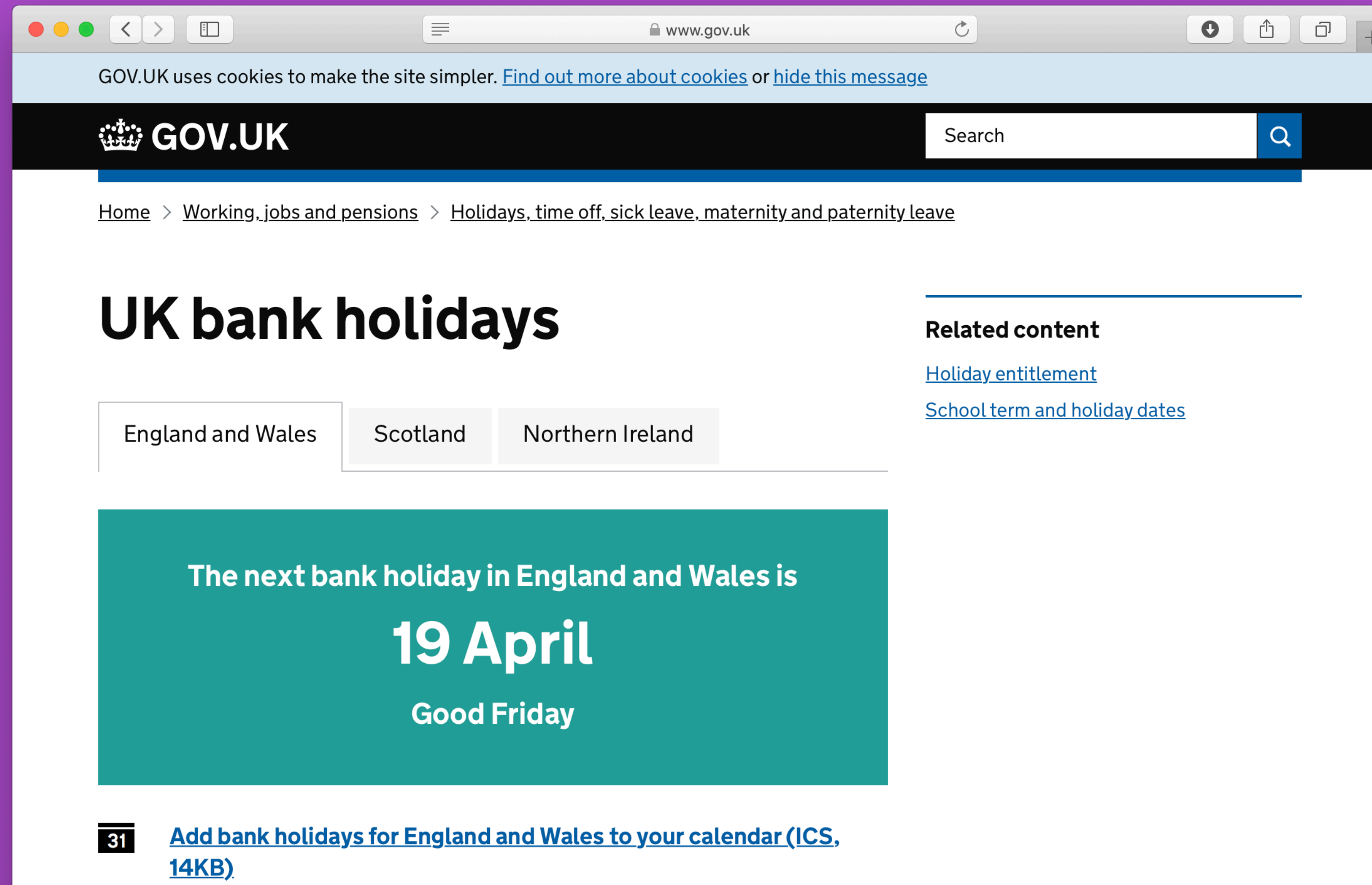
Good Example:

Plantronics® BackBeat PRO, noise cancelling headphones. Filtering noise.

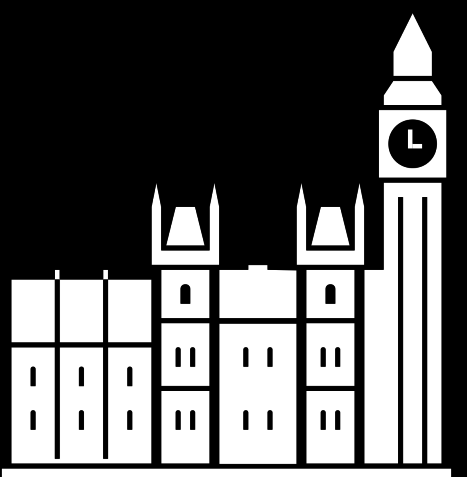


Good Example:
Most Active options - dynamic filtering





Good Example:
Filtering + highlighting the single most common information





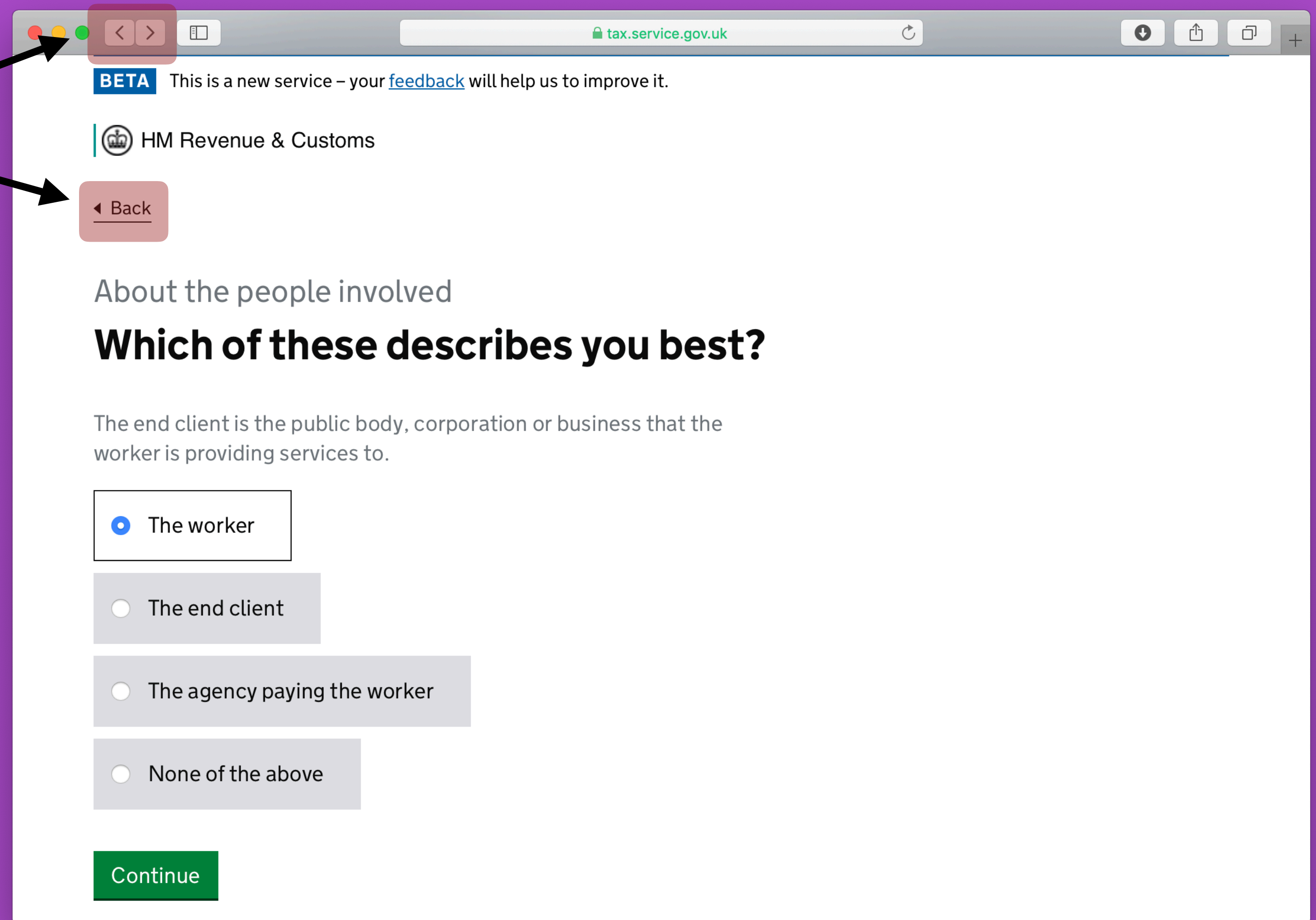
Deciding.

I need to make decisions. Make it clear to me what decisions i can make and what the consequences are.

Good Example:

Undo, Cancel, Clear. Long Timeouts.

Back



A screenshot of a web browser window showing a form on the website `tax.service.gov.uk`. The browser's address bar and navigation buttons are visible at the top. The page content includes a 'BETA' banner, the HM Revenue & Customs logo, and a section titled 'About the people involved' with the question 'Which of these describes you best?'. Below this, there are four radio button options: 'The worker' (selected), 'The end client', 'The agency paying the worker', and 'None of the above'. A green 'Continue' button is at the bottom. Two black arrows originate from the large 'Back' text on the left and point to the browser's back button and the 'Back' button on the page.

BETA This is a new service – your [feedback](#) will help us to improve it.

HM Revenue & Customs

◀ Back

About the people involved

Which of these describes you best?

The end client is the public body, corporation or business that the worker is providing services to.

☒ The worker

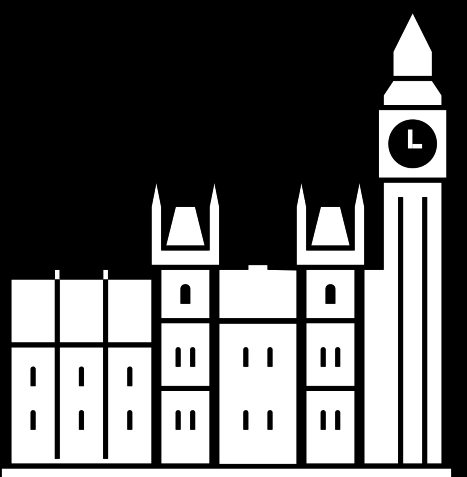
☐ The end client

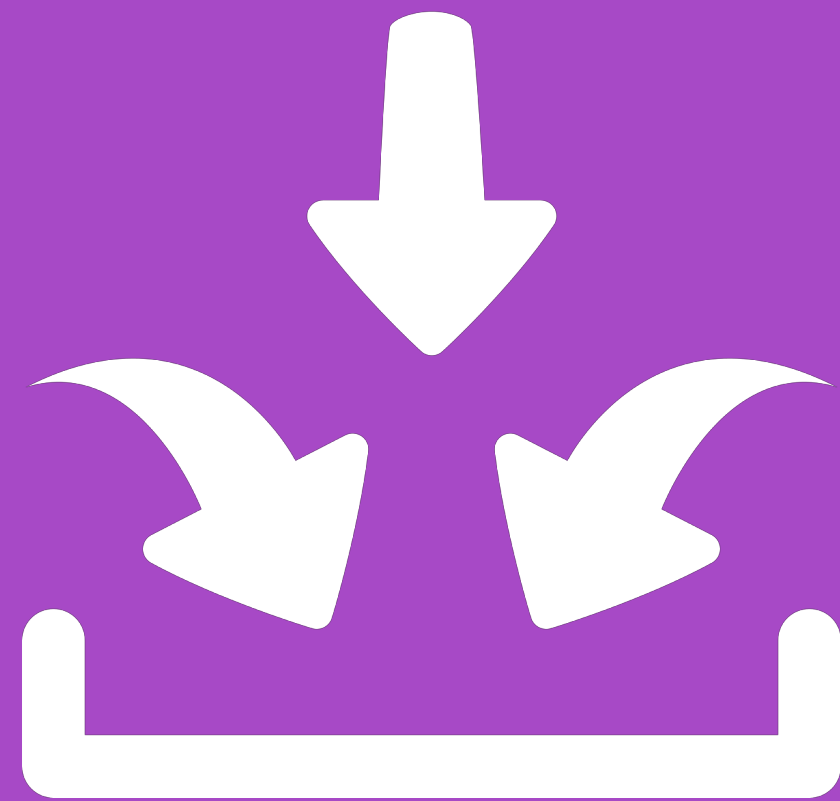
☐ The agency paying the worker

☐ None of the above

Continue

Good Example:
I don't know. I'm scared. But I can go back if needed!

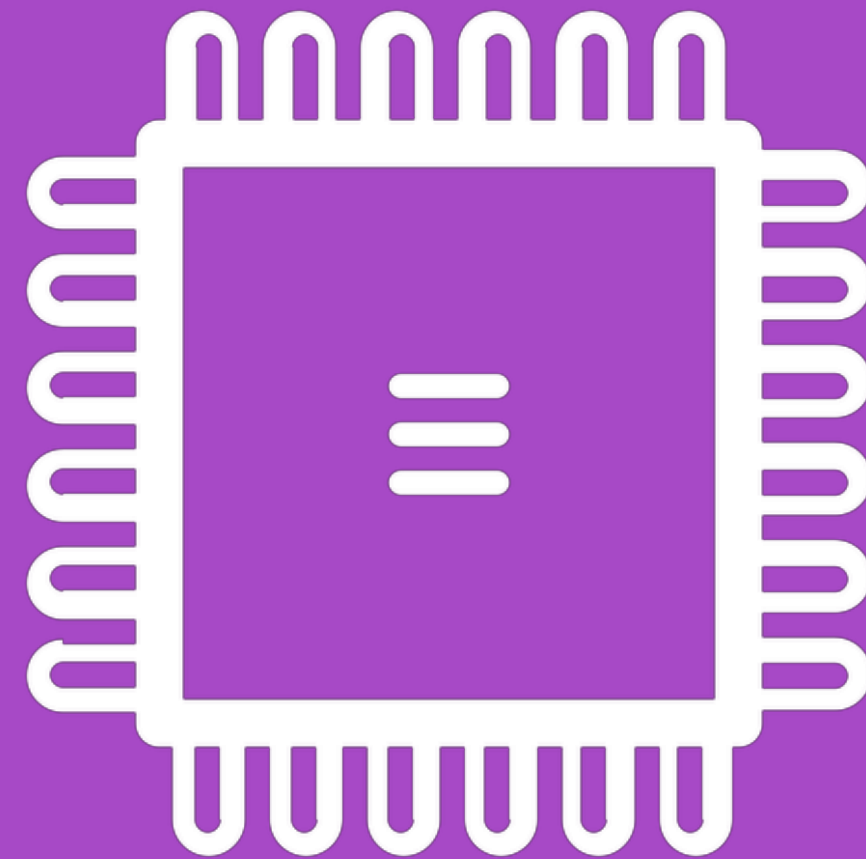




Receiving

Perception

Affordance



Processing

Filtering

Deciding



Actioning

Planning

Doing



Planning.

The environment needs to give me time to plan how to achieve a desired action (movements, words etc).

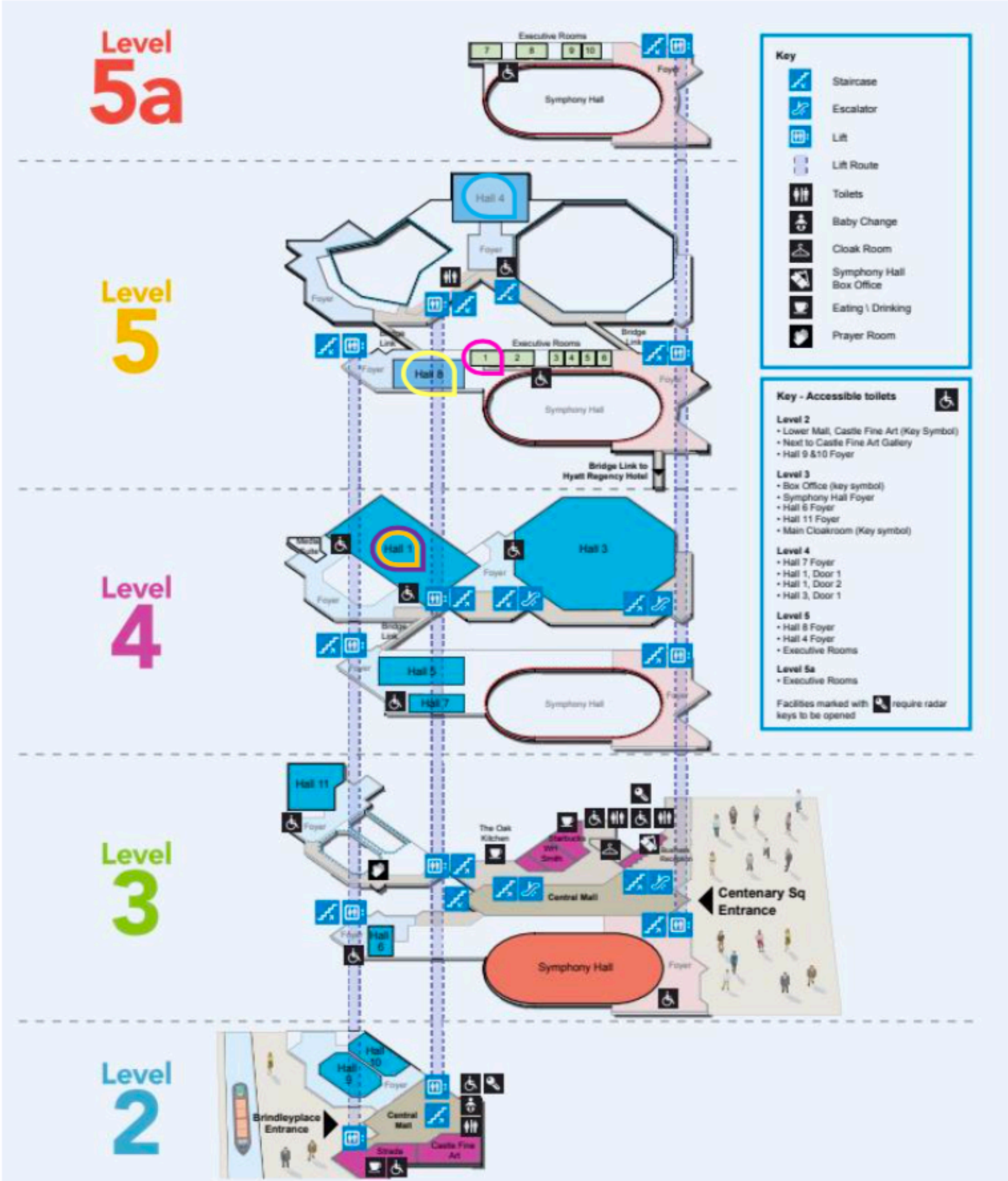
Good Example:

Count down traffic lights.

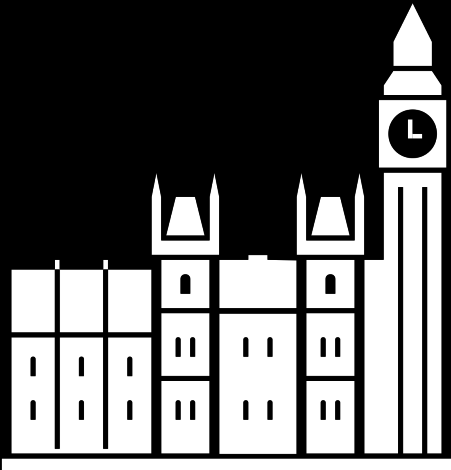
International Convention Centre Layout and Room Allocation

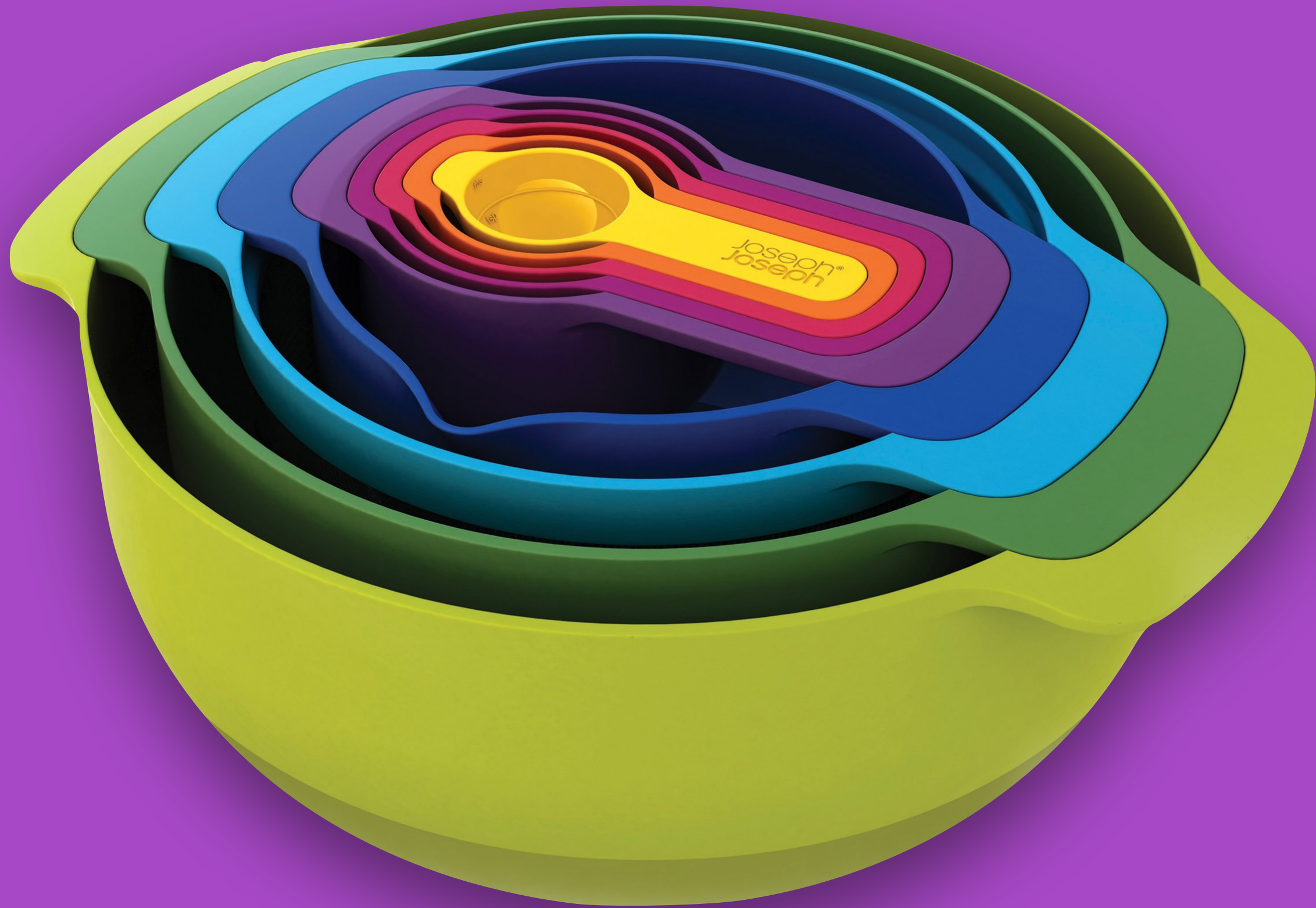


| | | |
|--------------|---|---------|
| Registration | Conference registration Refreshment breaks Lunchtime catering | Level 4 |
| Hall 1 | Welcome addresses Keynote Speakers Stream sessions A Closing remarks | Level 4 |
| | Entrance to reserved seating for | |



Good Example:
NAS Event Guide - Maps and Walking Times.





Doing.

The environment need to allow me to do thing i have decided to do.

Good Example:

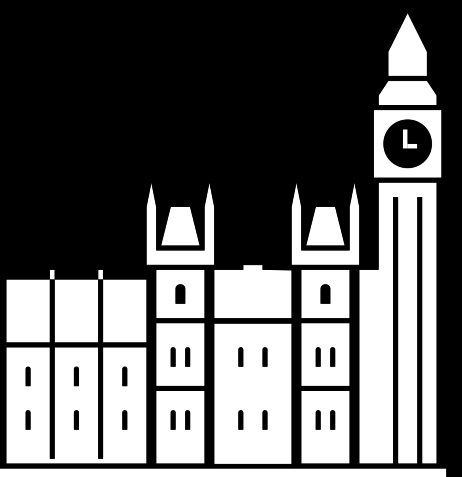
Sensory control.

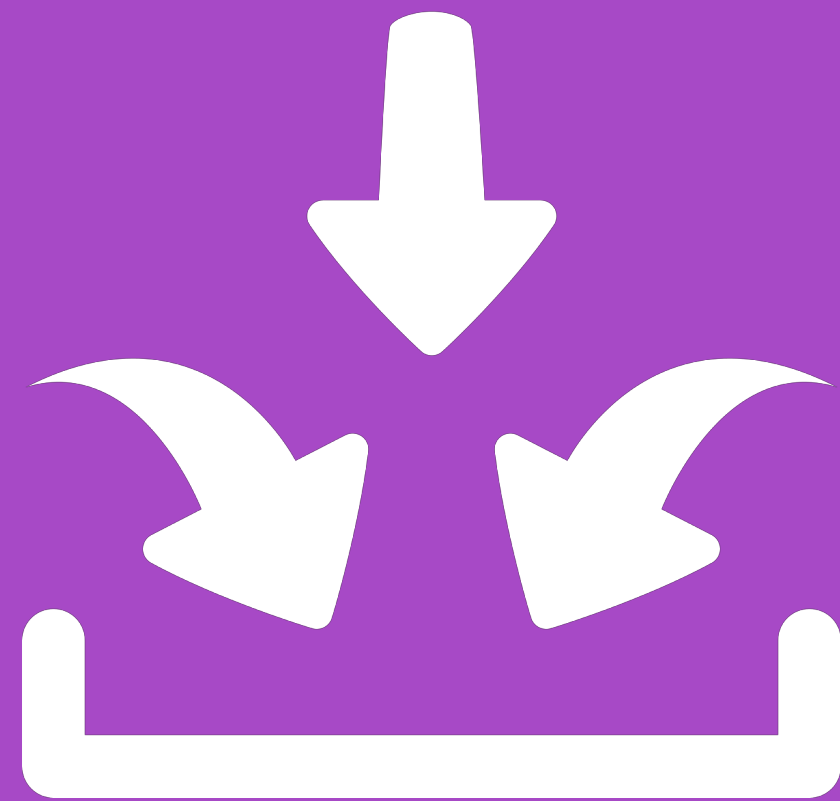
Physical access.

Easy tools



Good Example:
Accessing My Local Pool

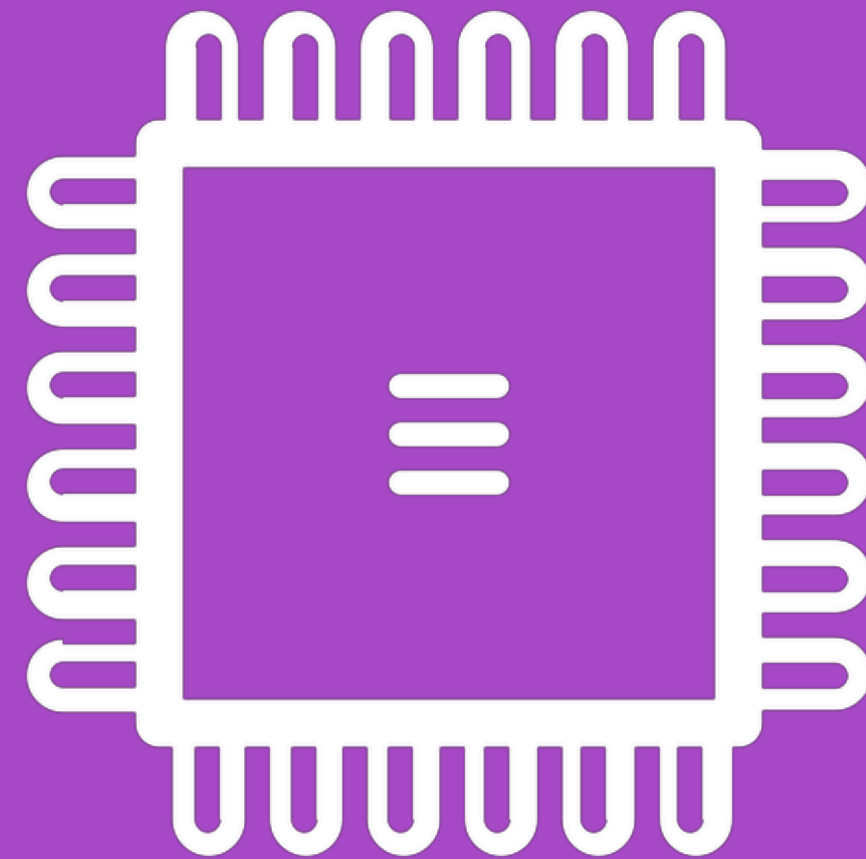




Receiving

Perception

Affordance



Processing

Filtering

Deciding



Actioning

Planning

Doing



How will our users _____?

Perception

Filtering

Planning

Affordance

Deciding

Doing

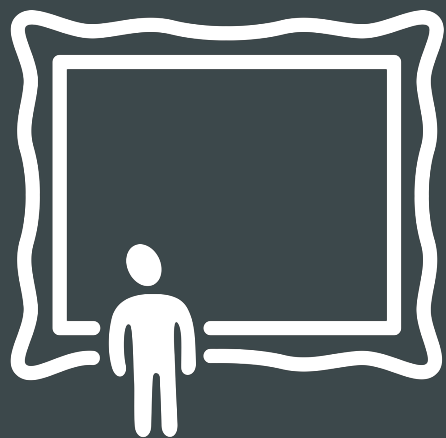




~~Modelling Disability - the lens I use in my life~~



Cognitive Access Model - finding good questions



The Big Picture - diversity at large

BIG PICTURE





More variety is a good thing.



Diverse / Impaired / Distracted

Thank You.

Credits:

Icons from the Noun Project

Thanks to my team

Big thanks to BBC for calling this my job