

Google Developers

North America Connect

Power of Visual communication and storytelling in Software Engineering



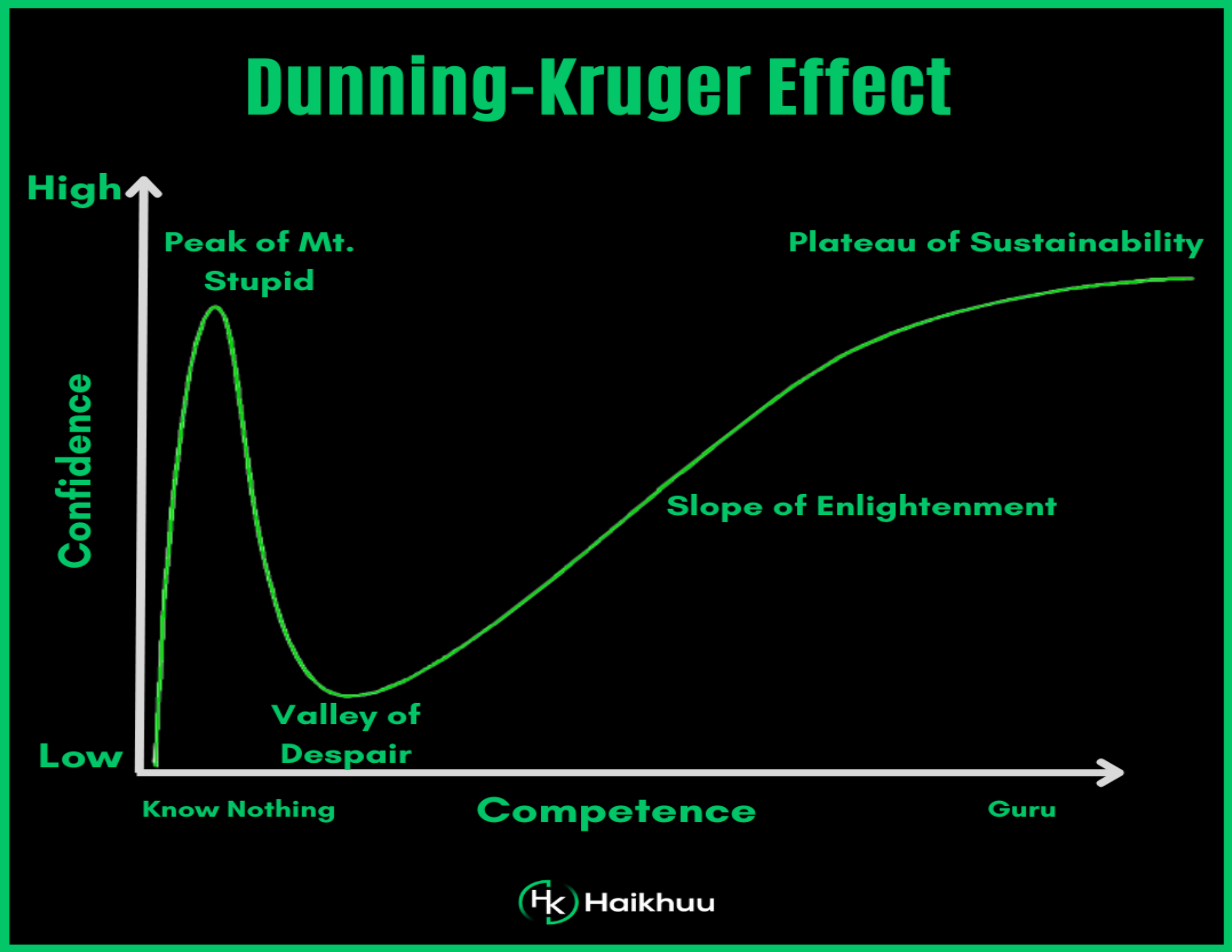
Vaishnavi Venkata Subramanian
@vaishnavitv

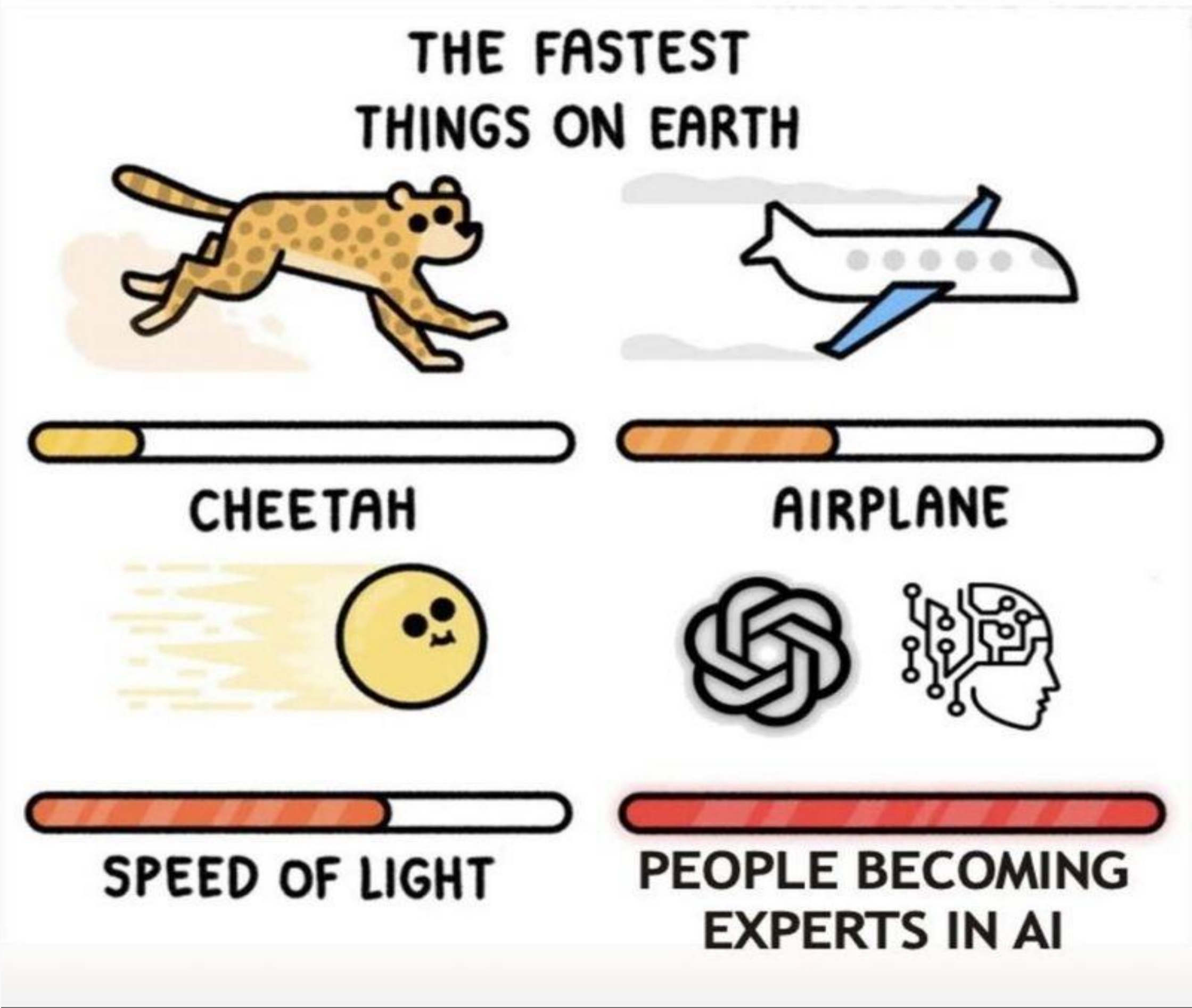
```
filterByOrg = filterByOrg ? study.lead_organization === filterByOrg : true  
filterByStatus = filterByStatus ? study.status === filterByStatus : true  
filterByMatchStatus) {
```

```
function filterStudies({ studies, filterByOrg = false, filterByStatus = false, filterByMatchStatus = false }) {  
  return studies.filter(study => {  
    return filterByOrg === true ? study.lead_organization === filterByOrg : true  
    return filterByStatus === true ? study.status === filterByStatus : true  
    return filterByMatchStatus === true ? study.matchStatus === filterByMatchStatus : true  
  })  
}
```

Disclaimer







Working Memory – Information Processing



George Miller's Magical Number of Immediate Memory

MILLER'S LAW

sensing | ∞ chunks

cat	head	king	tape
apple	house	hammer	arrow
ball	door	milk	flower
tree	box	fish	key
square	car	book	shoe



remembering | 7 ± 2 chunks

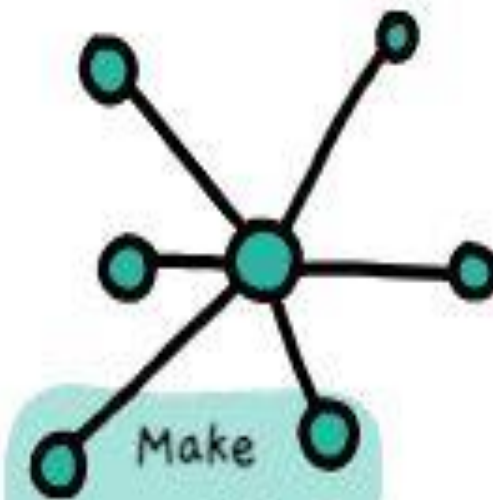


Person is exposed to numerous bits of information when completing a task. For example, they are shown words on piece of paper.

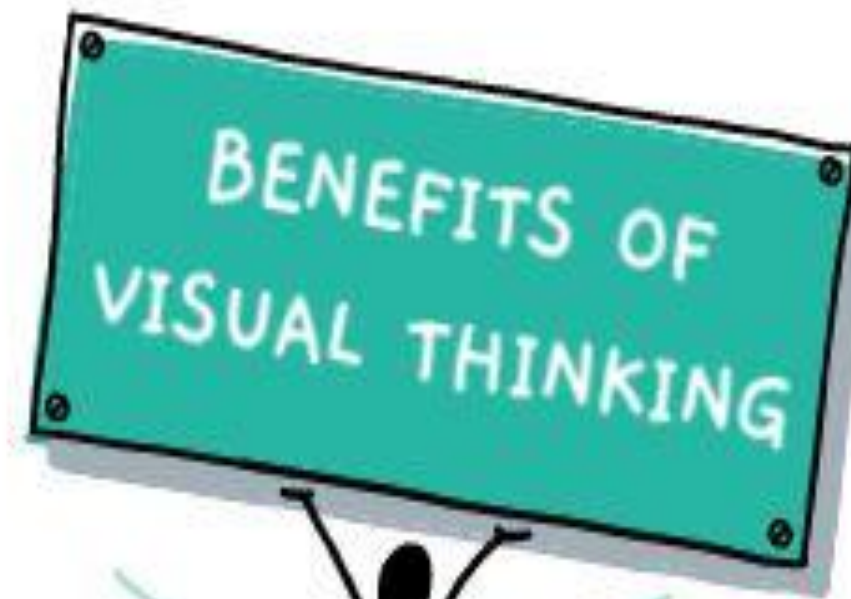
Information is stored temporarily in the prefrontal cortex for 10–15 seconds. The number of 'bits' one can hold in their working memory, is **5-9** items. This is a universal law and limitation observed in many studies.



Organize
Information



Make
Connections



Visual thinking externalizes thinking
so you and others can "see what
you mean." This allows you to:



Work Better
With Others



Solve
Problems



Make
Informed
Decisions



Access Information
In Digestible Chunks



Communicate Better



See the Big
Picture

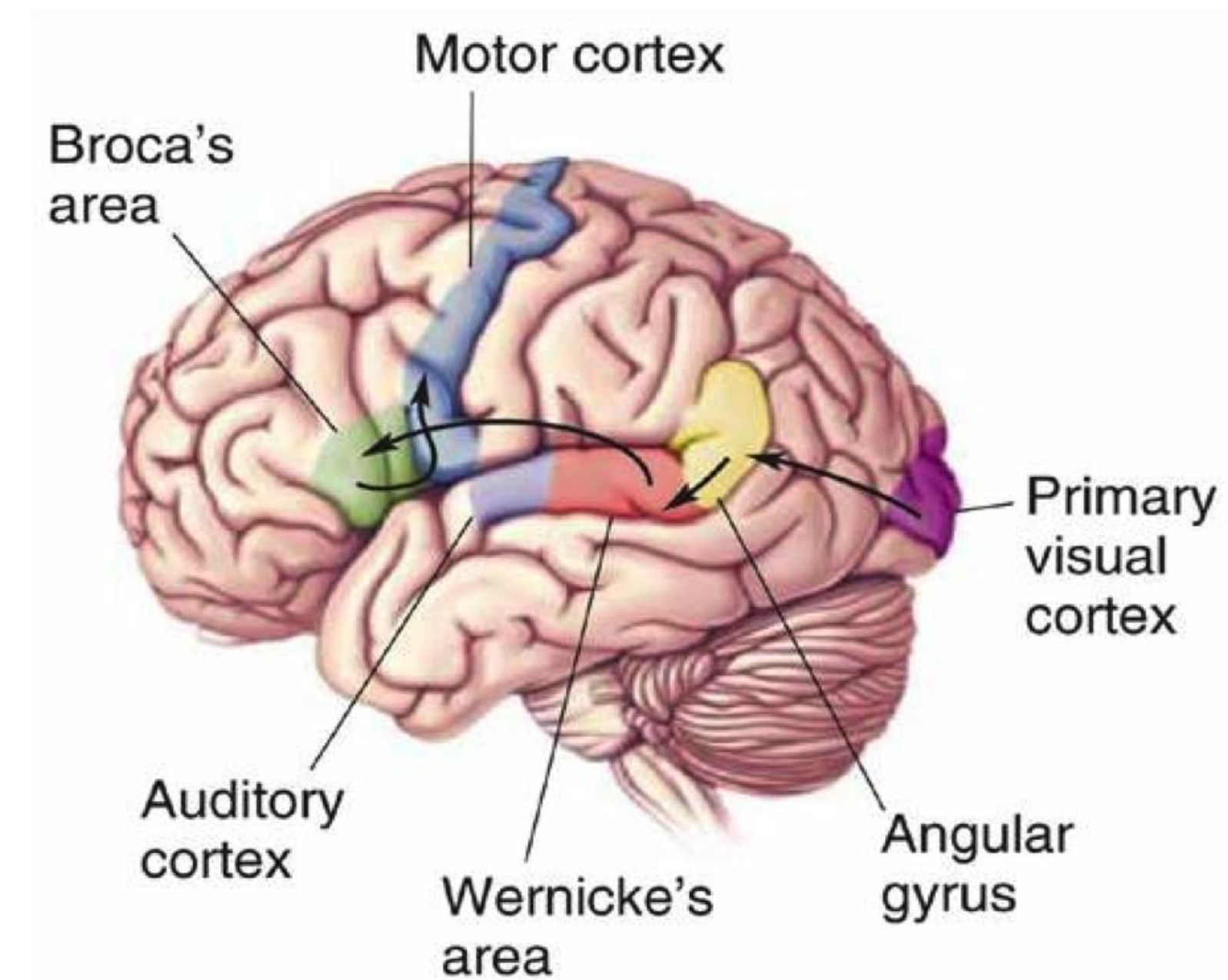
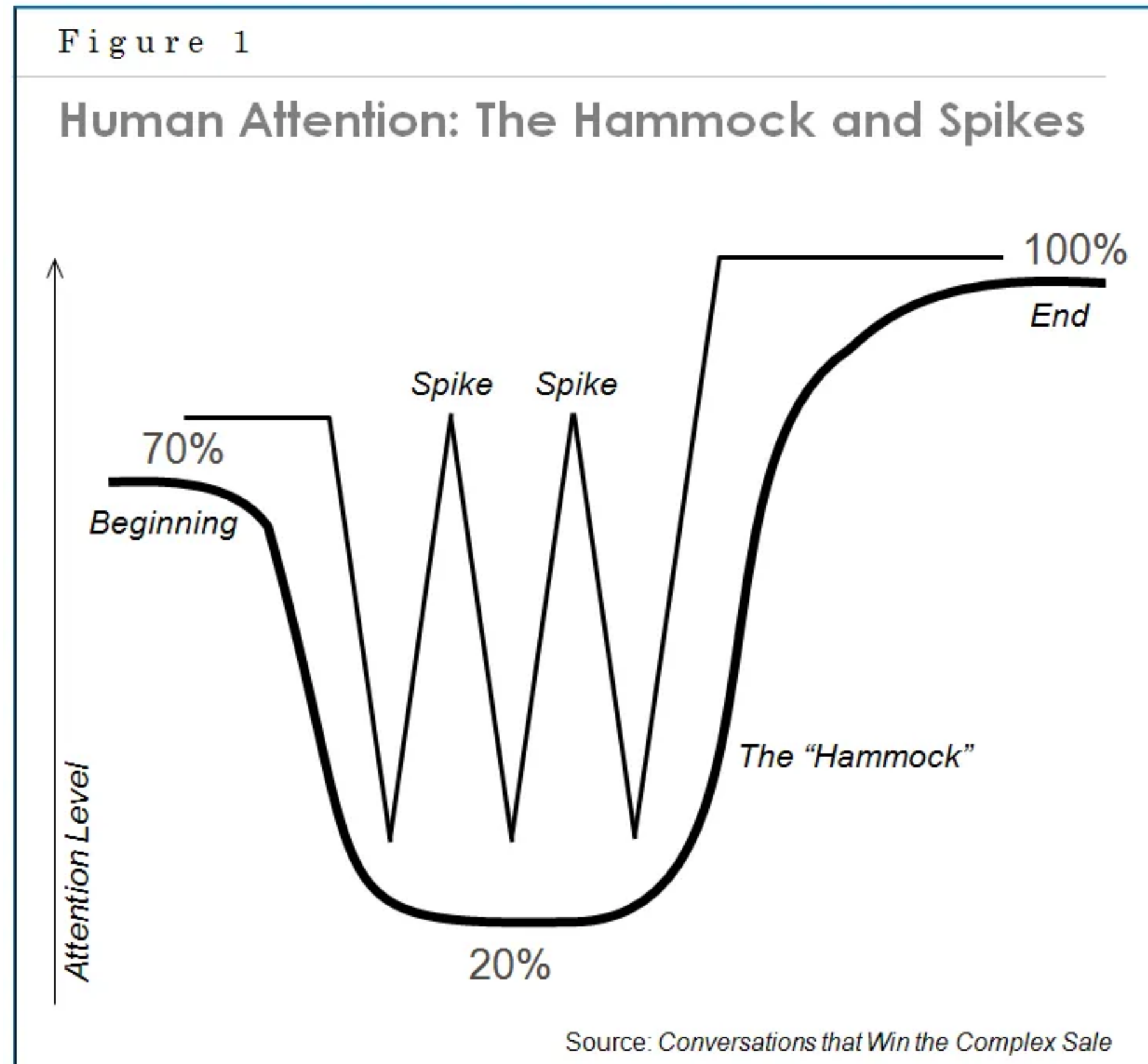


Take Action



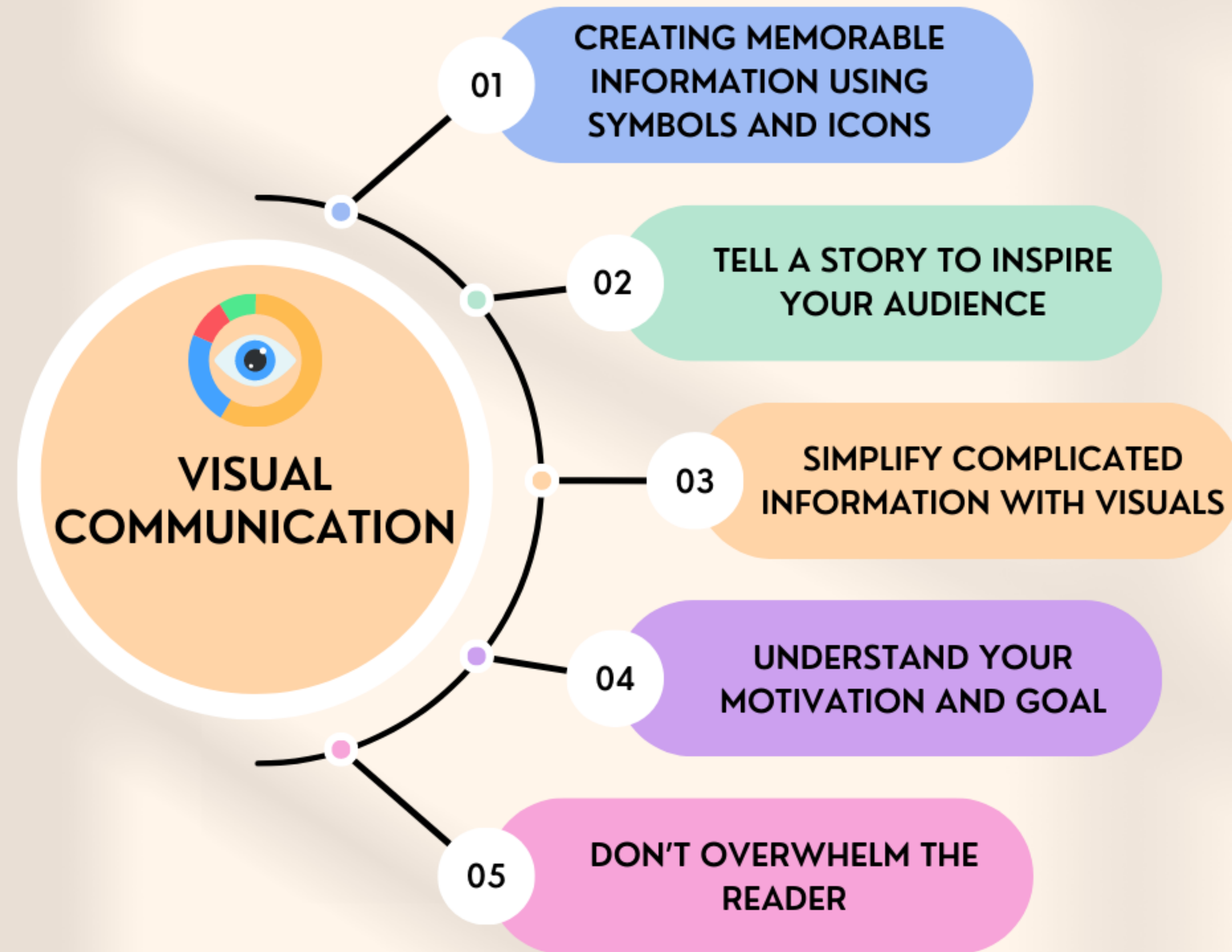
Achieve Your
Goals

Human attention

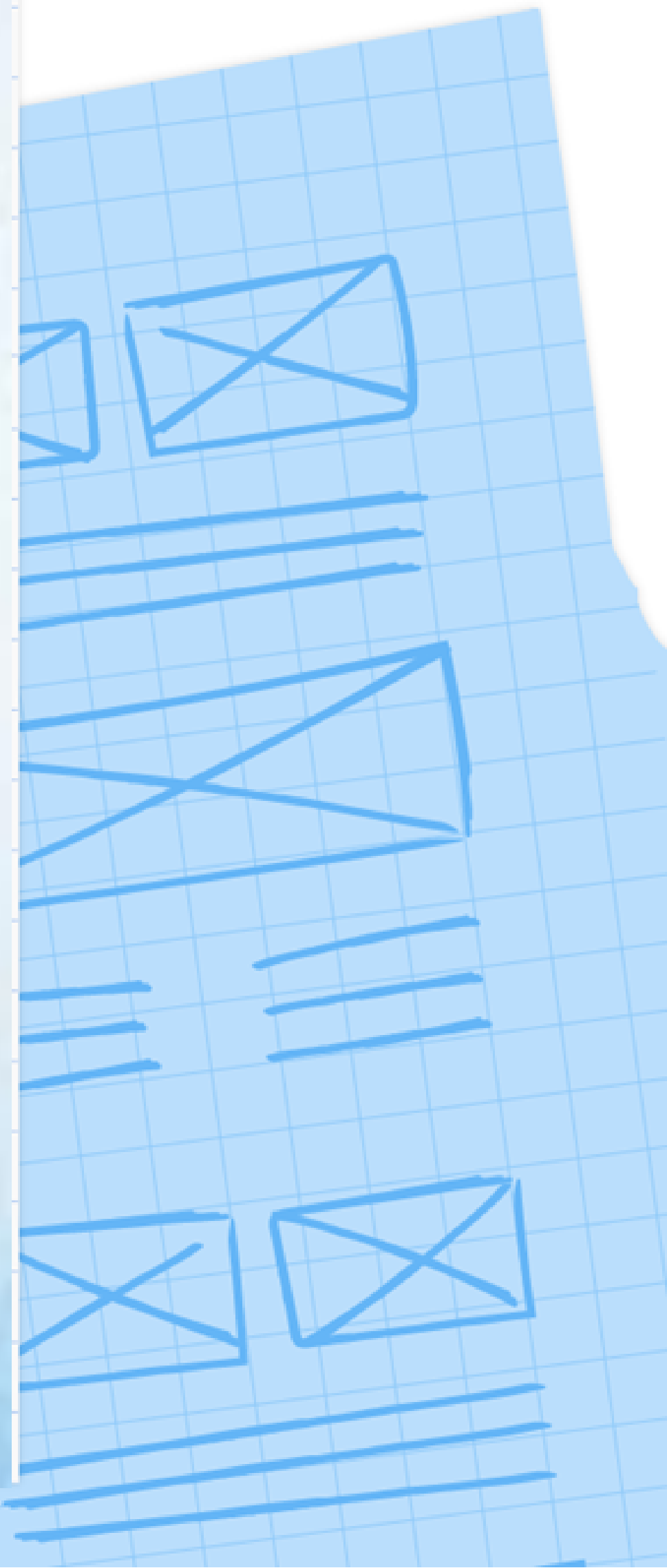




Tips for effective visual communication



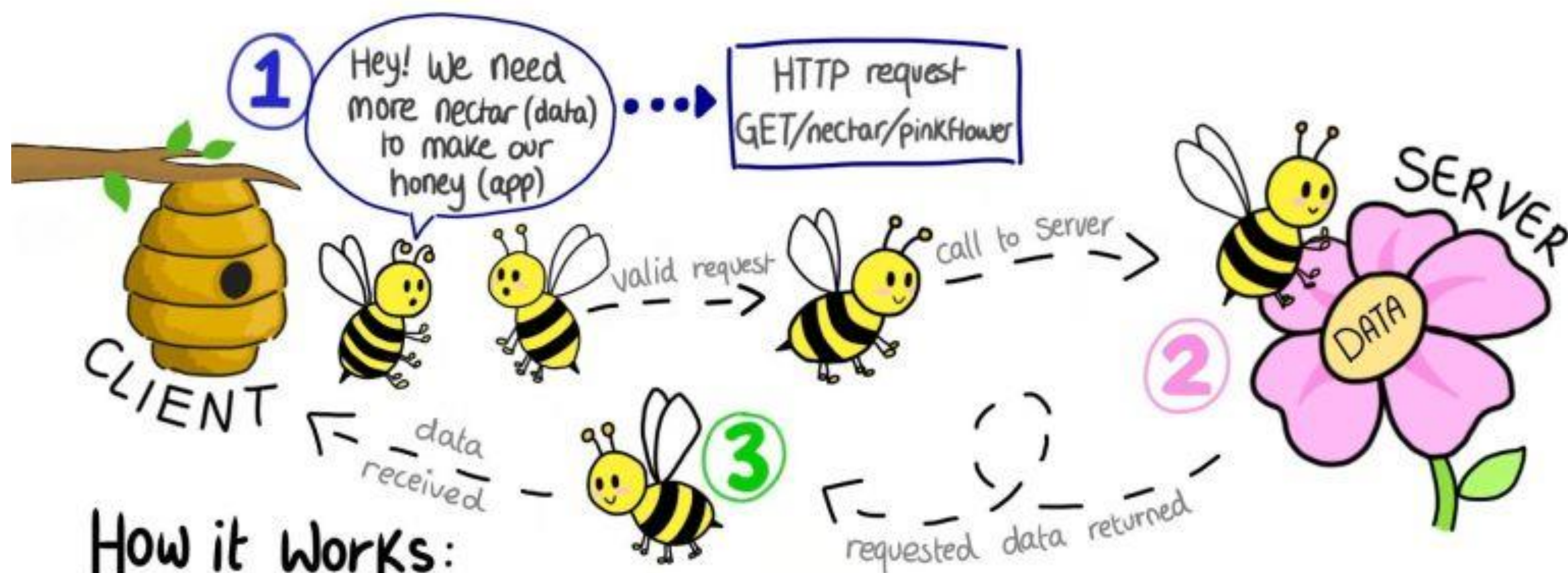
North America Connect



What is an API?

@Rapid_API 

An application programming interface allows two programs to communicate. On the web, APIs sit between an application and a web server, and facilitate the transfer of data.



How it Works:

1 Request

API call is initiated by the Client application via a HTTP request

2 Receive

Our worker bee acts as an API, going to a Flower (server) to collect nectar (data)

3 Response

The API transfers the requested data back to the requesting application, usually in JSON format

Team manual

This is me
(drawn by me)

The conditions
I like to work in

The times/hours
I like to work

The best ways
to communicate
with me

The ways I like to
receive feedback

Things I need to
work well

Things I can
struggle with

Things I love at
work

Other things to
know about me

A user manual for me: Cassie Robinson

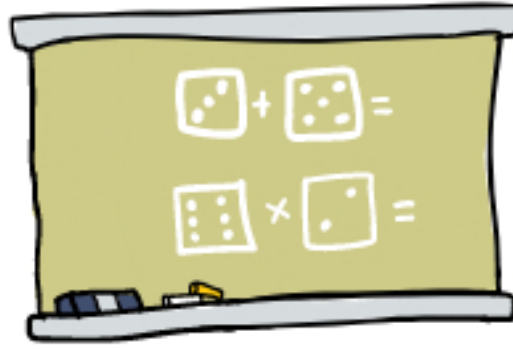
Hello,
I'm Vaishnavi



Vancouver



Things I ❤️



Teaching



Public Speaking



Visual Communication

Things I do 🤖



Software Engineering



Ideation



Team collaboration

How to Give Me Feedback 🙏

Direct constructive feedback provided with utmost honesty to help me grow.
Data driven and candid conversations with potential solutions for me to thrive and succeed.

Comms Preferences 🧑



Working Patterns 🌞



- Morning Person
- Enjoy a quiet and vibrant environment
- Follow Pomodoro Technique 🍅

Things I struggle with 🥷



Mickey Mouse Job
#halfbaked



Yak Shaving



Interruptions

“Simple things should be simple,
complex things should be possible.” - Alan Kay

P.S: No animals or disney characters were harmed in the making of this manual 🐦 🐼 🦉

April 2023
Version 3

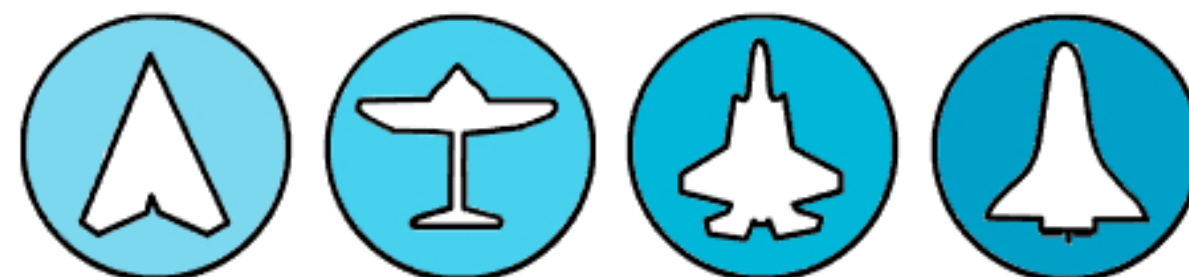


101 Switching Protocol
426 Upgrade Required

MISSION

302 Mission Found

Empower marginalized community through the power of technology, story telling and visual communication one person, one story, one visual at a time.



VISION

100 Continue
103 Early Hints

To serve as an empathetic and honest leader and use my voice as a speaker and advocating for representation in tech to improve the lives of underrepresented people..



WARNING

406 Not Acceptable
504 Gateway Timeout

- All my scheduled meetings need an agenda.
- Known to burn myself out.
- Tackle the Talkers and Enable the Doers
- Swiss Army Knife
- Struggle to take compliments
- Trying to channelise my Internal Saboteurs



MANAGEMENT style

Combination of Quiet, Servant and Visionary Leadership



```
JS HelloWorld.js  
  
document.write('Hello World');  
console.log('Hello World');  
alert('Hello World');
```

INTERESTING FACTS

200 OK
418 I'm a teapot

- I believe in the power of documentation.
#DocsOrItDidntHappen
- I thrive on honest and candid feedback.
Afterall feedback is the breakfast of the champions
- Passionate about accessibility, diversity, usability and neurodiversity.
- Love to solve 1000 piece jigsaw puzzles
- Love people watching and a selenophile



KNOWN DEFECTS

500 Internal Server Error
506 Variant Also Negotiates

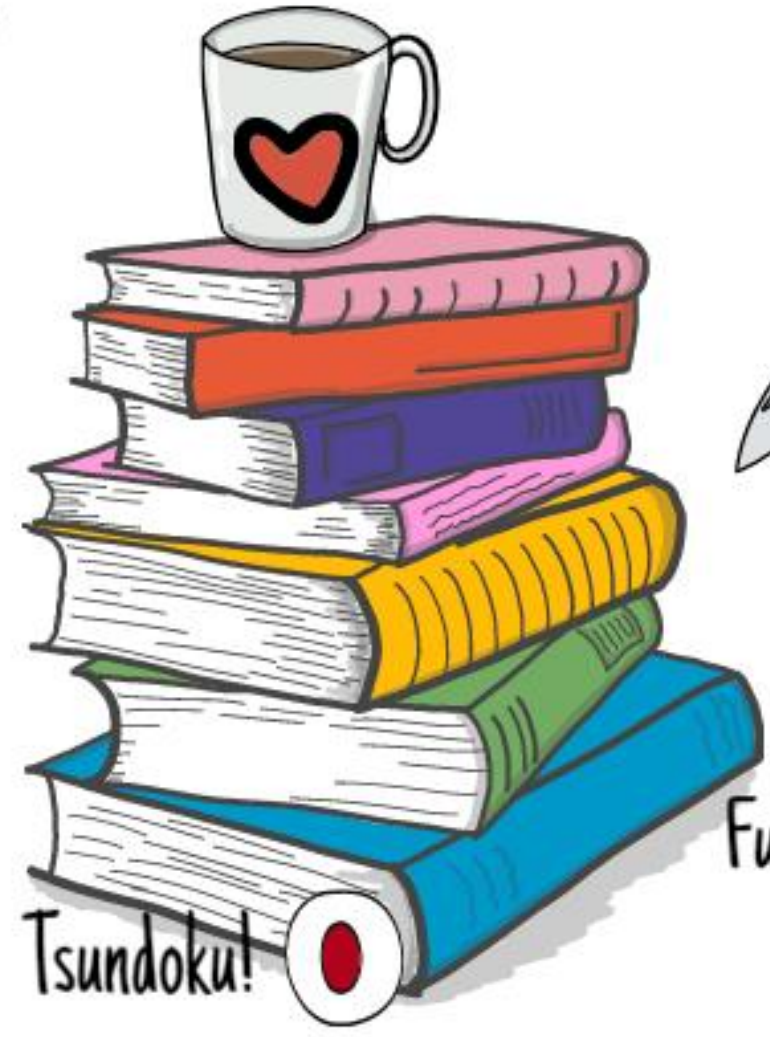
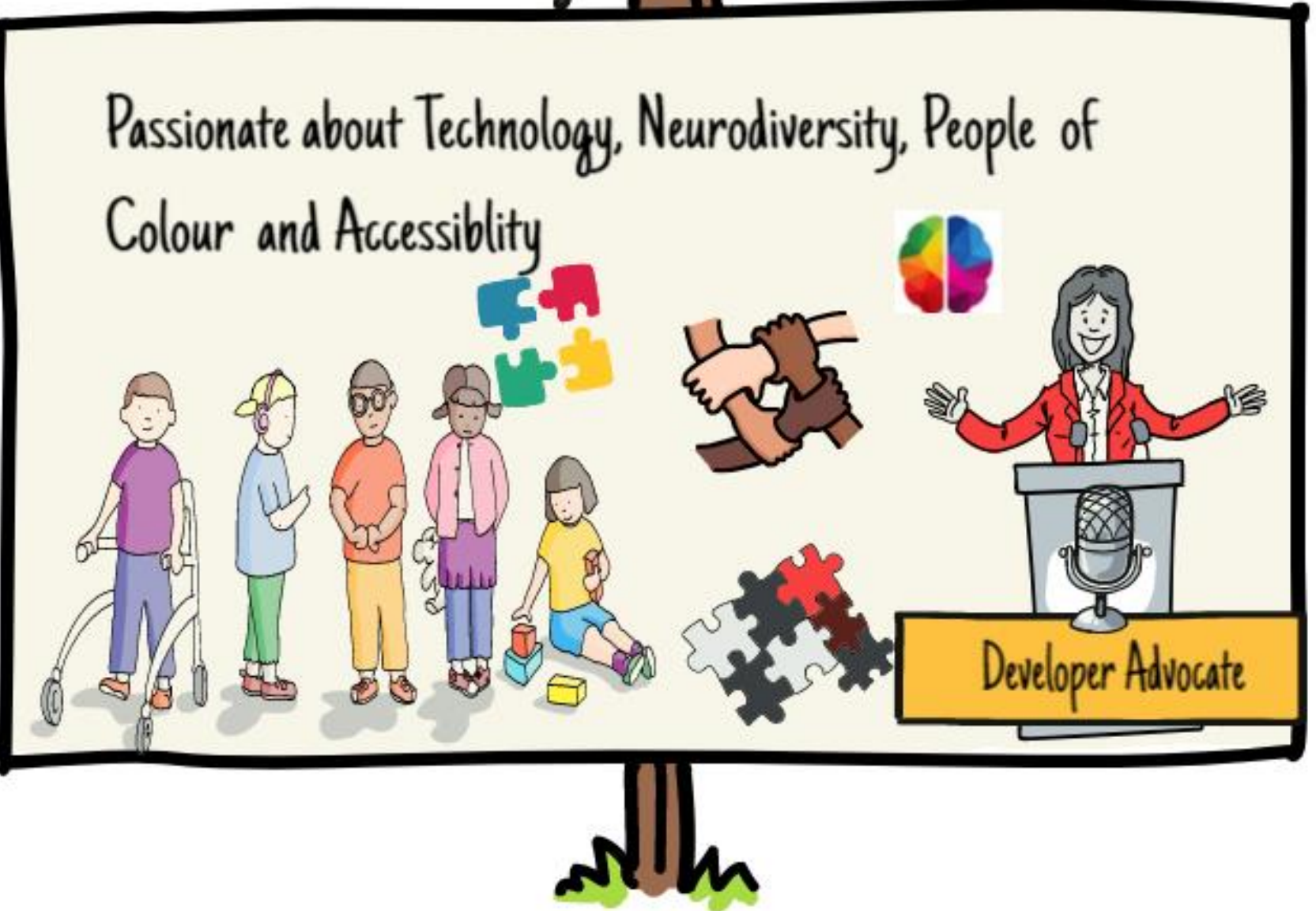
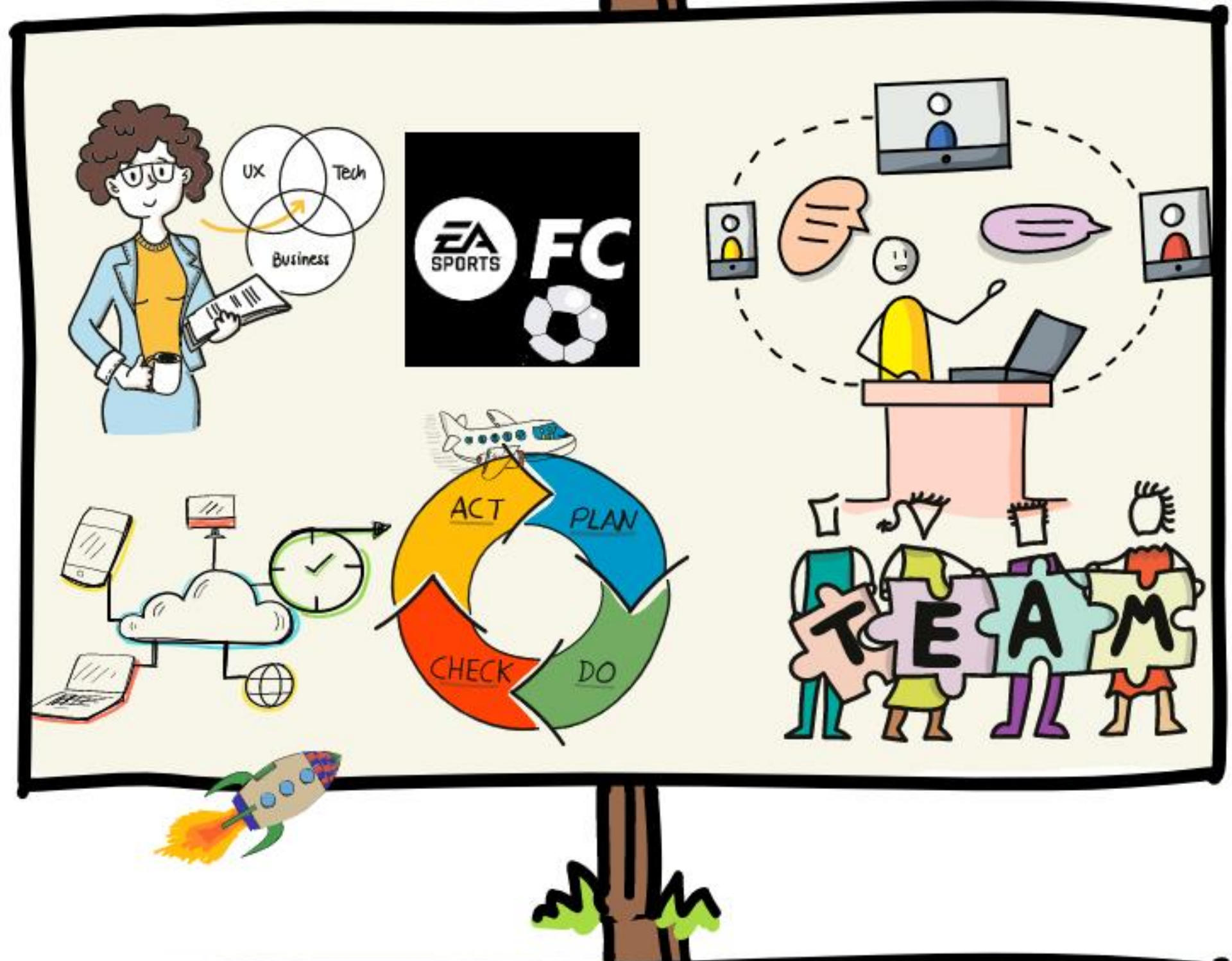
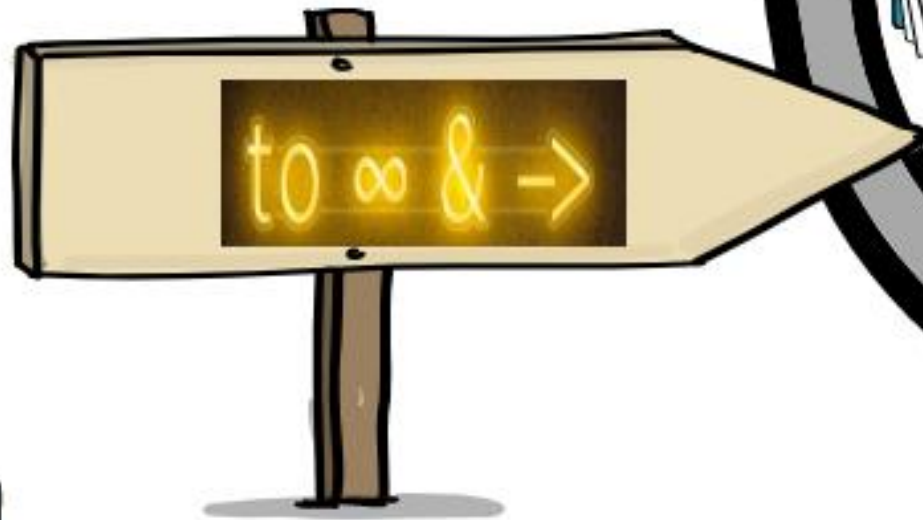
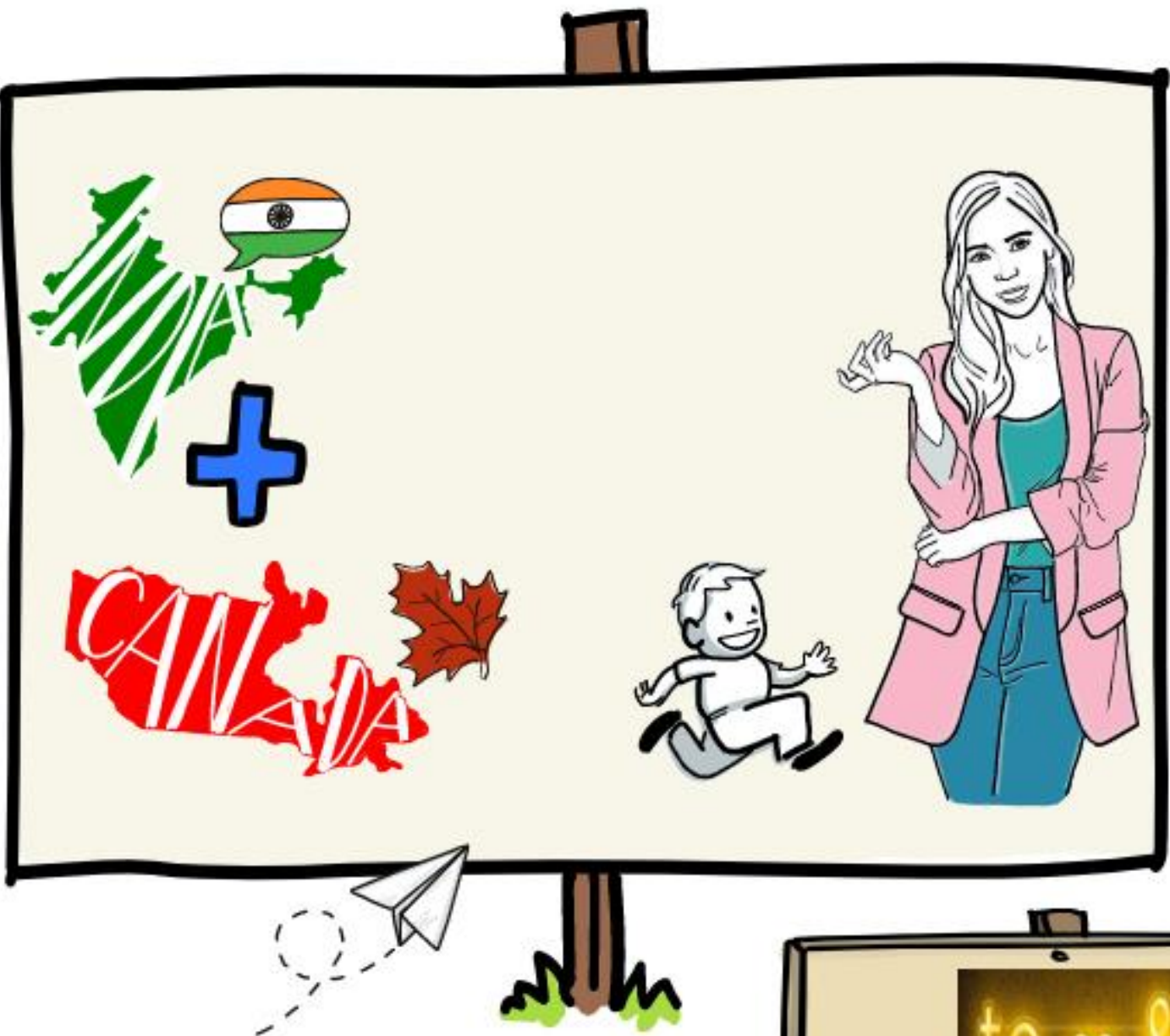
- People pleaser, leading to overcommitment
- Struggle to say no
- Self-critic
- Don't always take my own advice
- Falling victim to comparison trap
- Can get in my own way
- Sensory overload

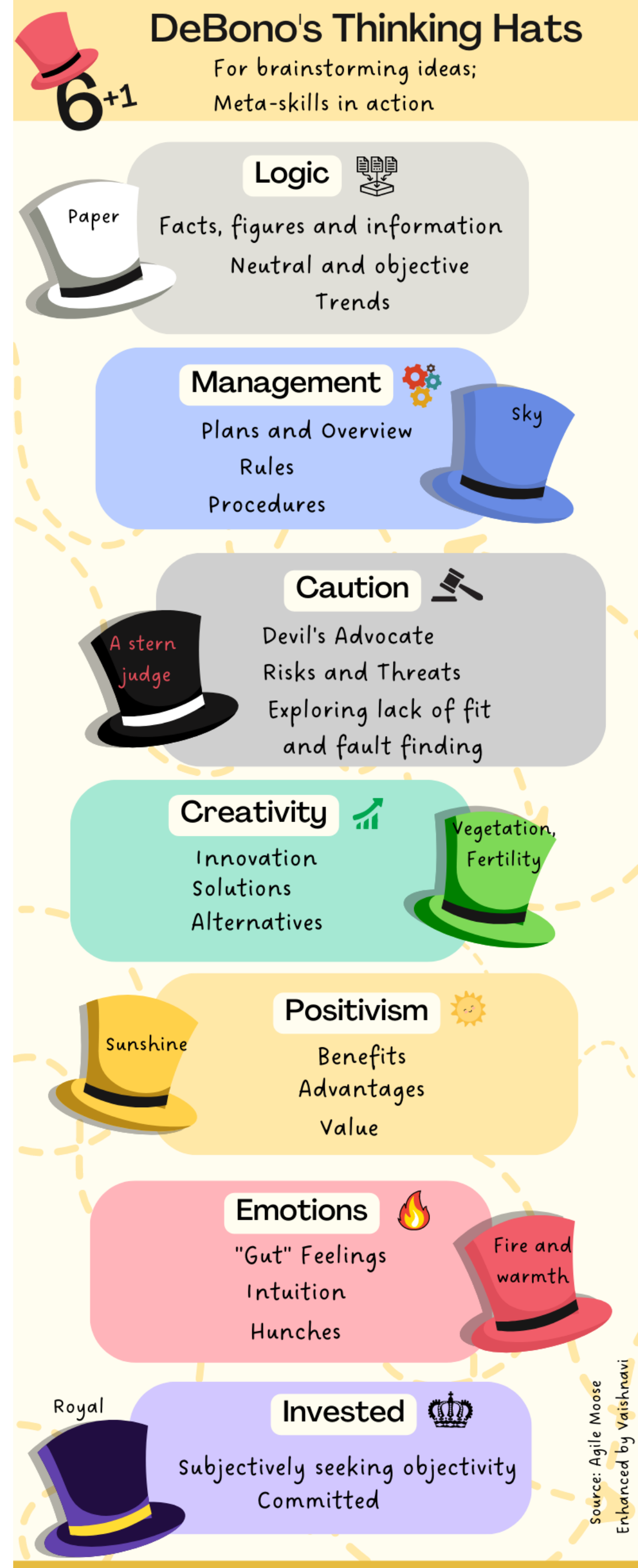


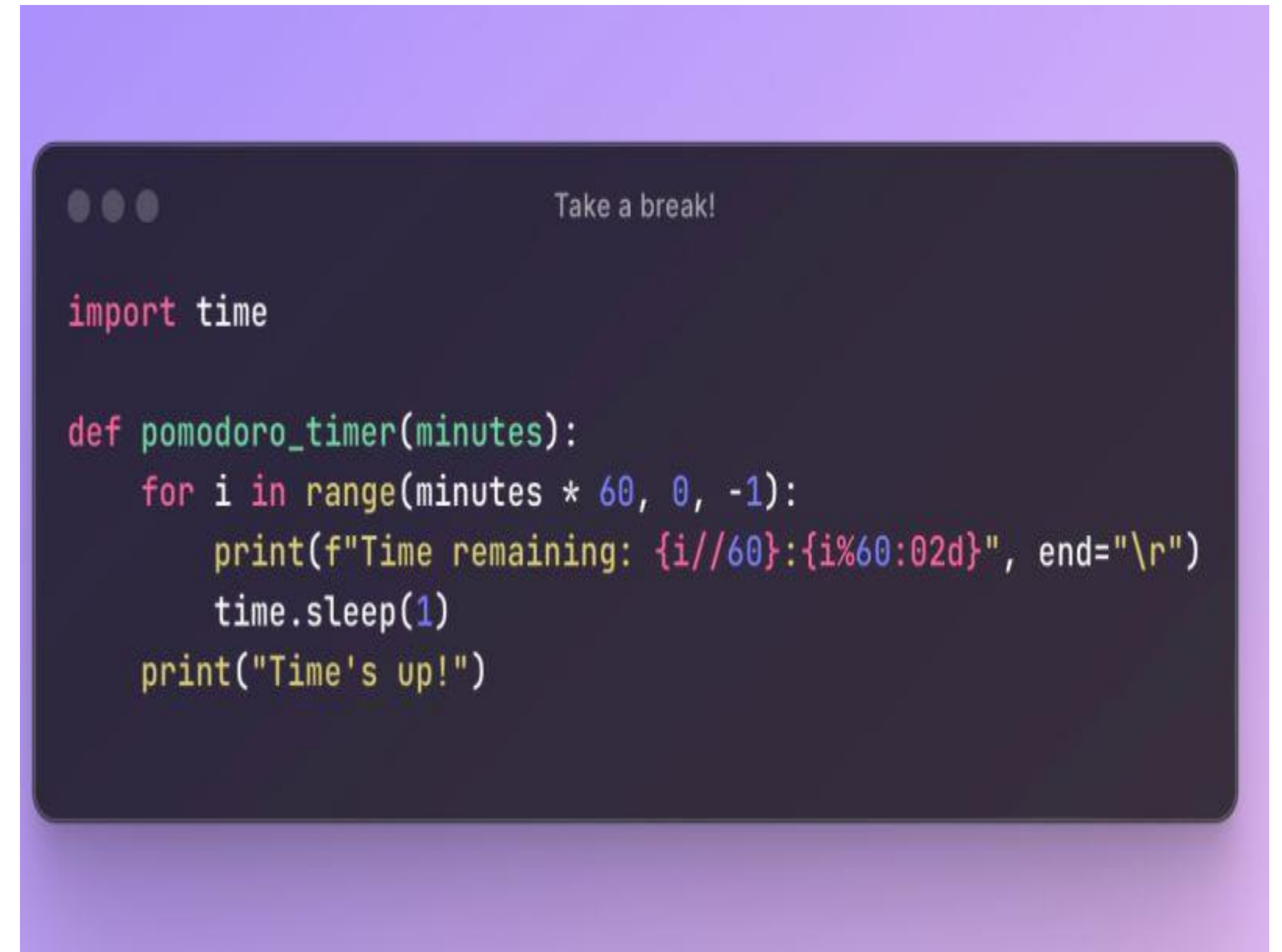
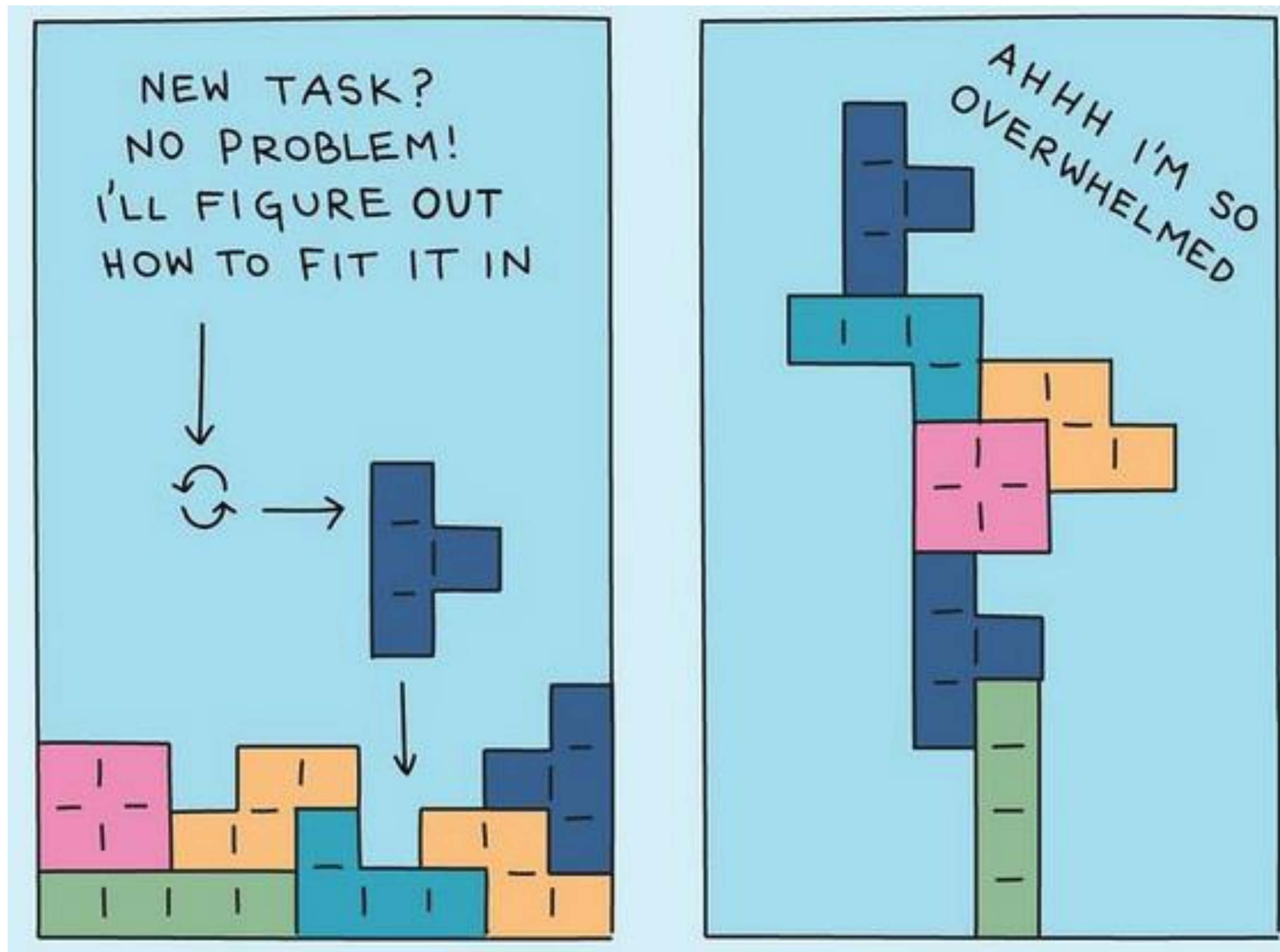
*3 digit numbers are HTTP Status Codes



Title : Manual Of Me
Version : 1.0
Release: March 2023







Programmer Jargon

Pokémon Exception Handling



For when you just Gotta Catch 'Em All.

```
try {  
}  
catch (Exception ex) {  
    // Gotcha!  
}
```



```
if (5 == count)
```

 ROOKOUT

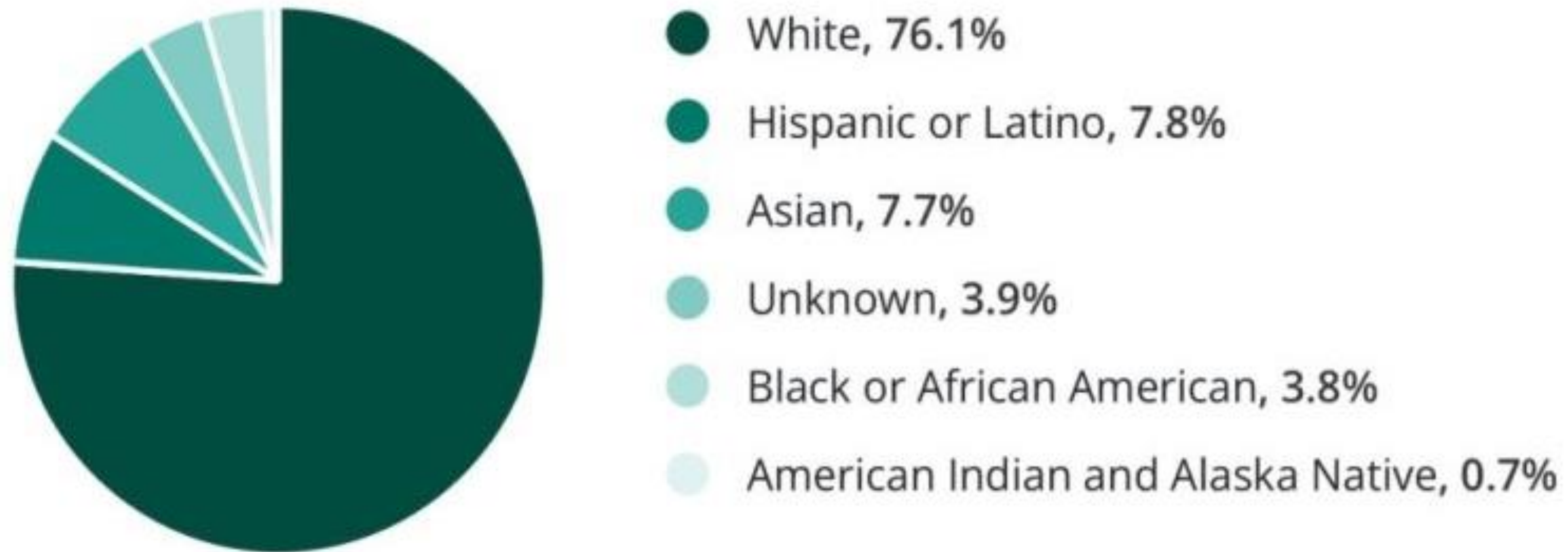
Heisenbug ⁽ⁿ⁾:

A software bug that disappears or alters its behavior when one attempts to probe or isolate it.

The Jargon File

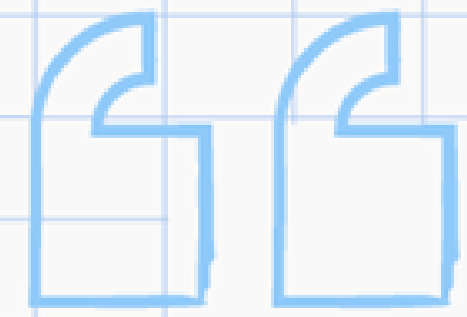


⊘ Don't Overwhelm the user!



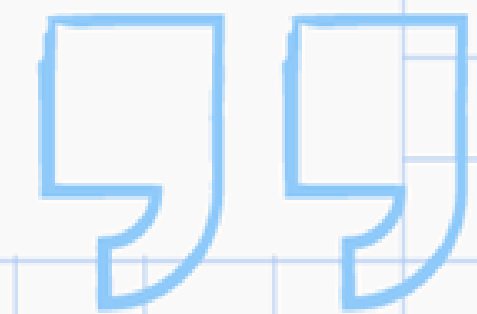
DEEPPFAKE TECHNOLOGY: SEEING IS BELIEVING, OR IS IT?





Software is like entropy: It is difficult to grasp, weighs nothing, and obeys the Second Law of Thermodynamics; i.e., it always increases.

- Norman Augustine





MISINTERPRETATION OR READING BETWEEN THE LINES?



UN Women
@UN_Women · Follow



#GenerationEquality

1:39 PM · Jan 27, 2020

 3.4K  Reply  Share

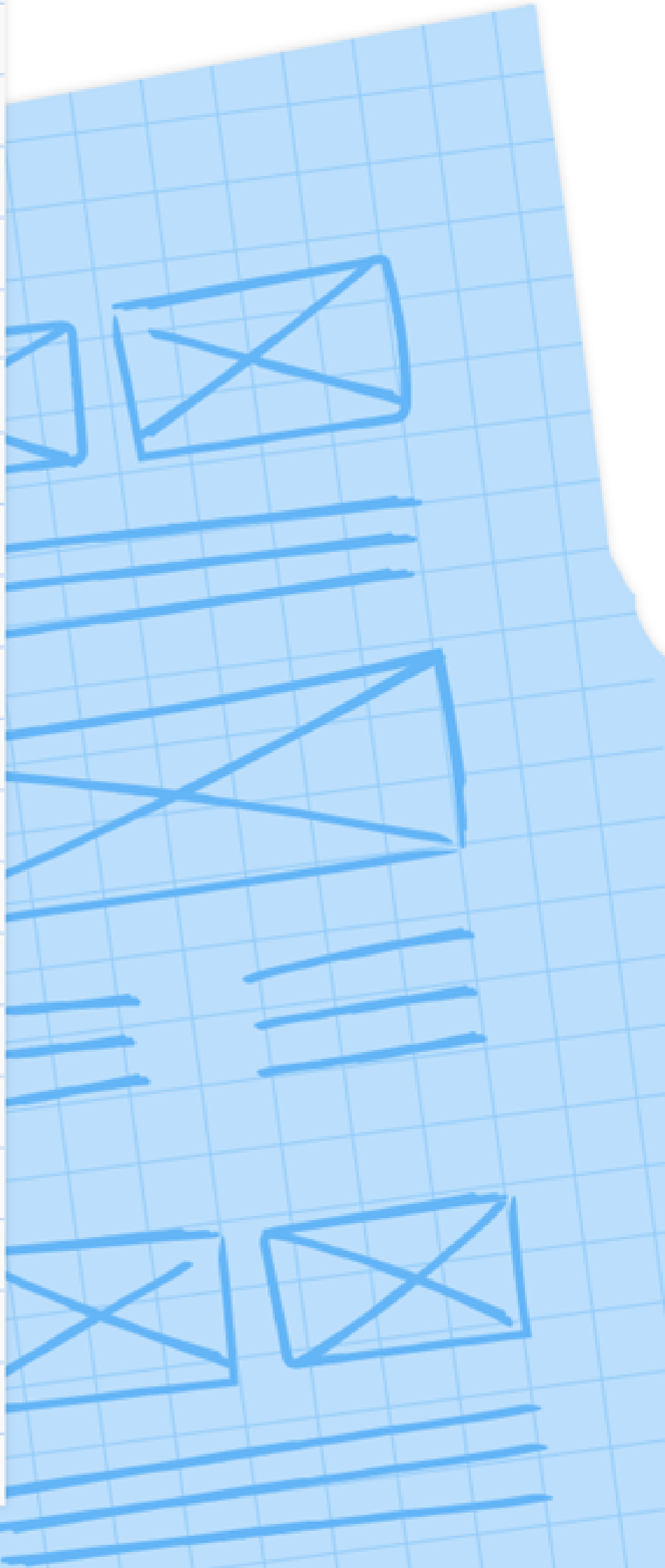


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Replying to @UN_Women



4:20 AM · Jan 28, 2020





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