

GDC

March 20-24, 2023
San Francisco, CA

Assessment Games

#GDC23



ROBLOX Education









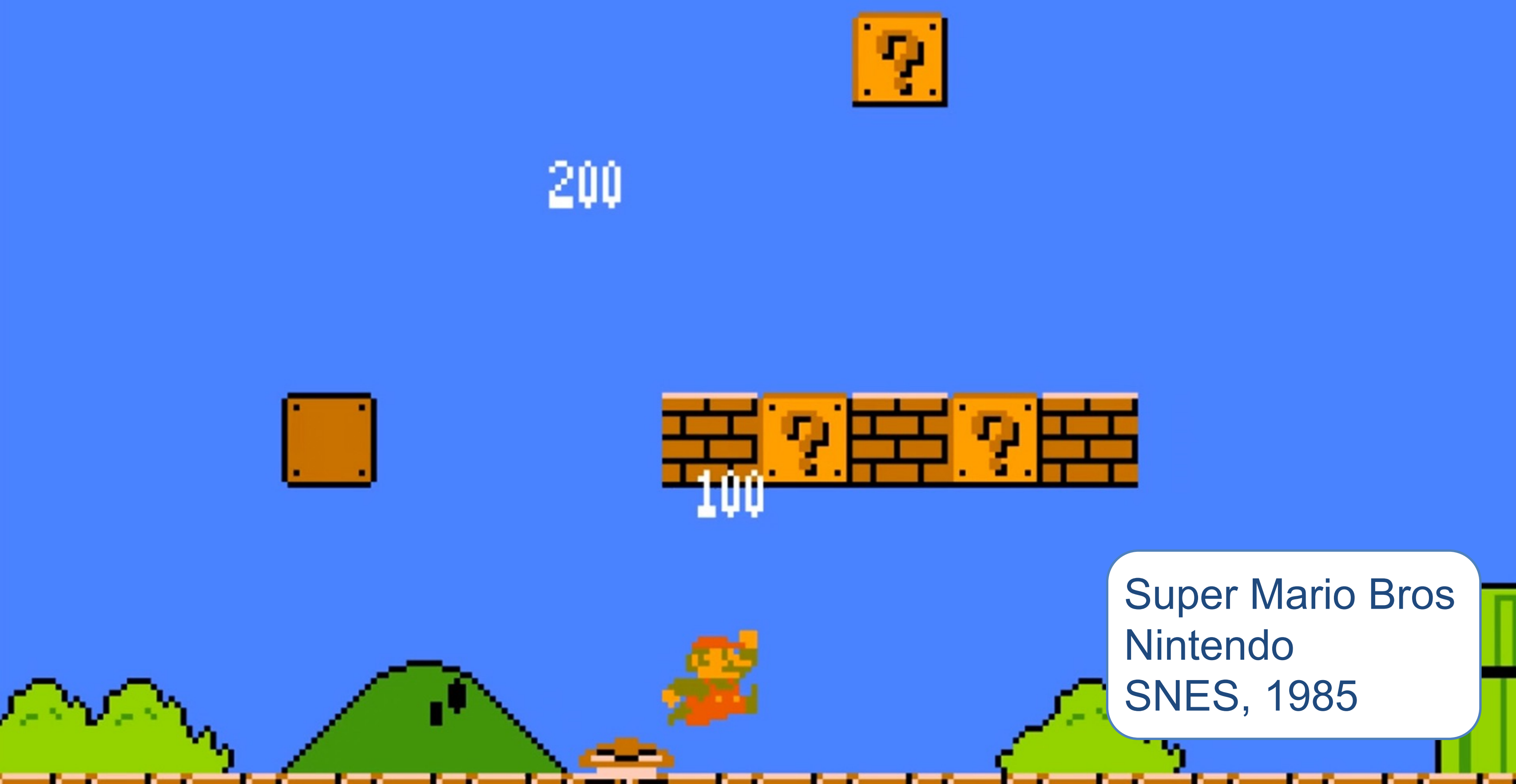




**WAIT, GAMES
ARE ASSESSMENTS?**

**ALWAYS
HAVE BEEN**

imgflip.com



Super Mario Bros
Nintendo
SNES, 1985



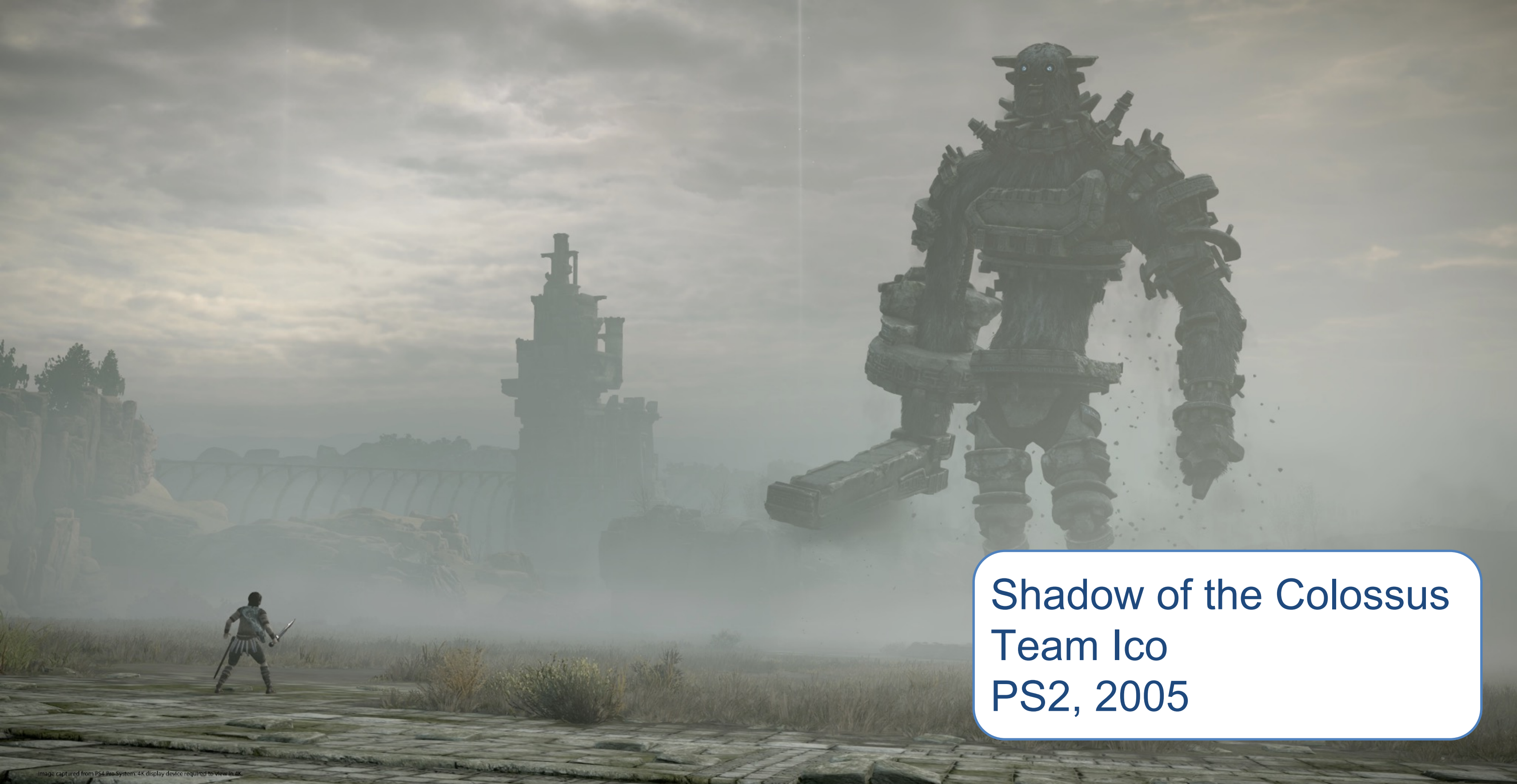
E Make Honey

440227/660000

Bee Swarm Simulator
Onett
Roblox, 2018



Spider-Man
Insomniac Games
PS4, 2018



Shadow of the Colossus
Team Ico
PS2, 2005

Image captured from PS4 Pro System. 4K display device required to view in 4K.

Final-Exam Boss

Follow 



Main



Laconic



Quotes

PlayingWith

Create New 

"Let's see if you remember everything you learned, slowbeef."

— Diabetus, [Retsupurae](#), "Parkour Parkour Brooklyn" 

A Final-Exam Boss is a boss (usually the [last](#) or [second-to-last](#)) that can only be defeated by using every (or almost every) item and power you've acquired throughout the game (often in the same order you got them, even). Sometimes you just have to use those items to [make the boss vulnerable to conventional weapons](#), like freezing a water monster form before bashing it with your [Weapon of Choice](#). Such a boss often employs [weakness-changing abilities](#). A variant applies this to the whole stage instead of, or in addition to, the boss: you have to use all of your special abilities to get through [The Very Definitely Final Dungeon](#) for the big showdown. Of course, this is the finale of the [Plot Tailored to the Party](#).

Obviously overlaps with [Sequential Boss](#) and [Puzzle Boss](#). For the television version, see [Final Exam Finale](#). For the dungeon version, see [All the Worlds are a Stage](#). For an entire series, see [Megamix Game](#).

As these examples are almost universally found at the climax or end of a game, expect unmarked spoilers







edutopia



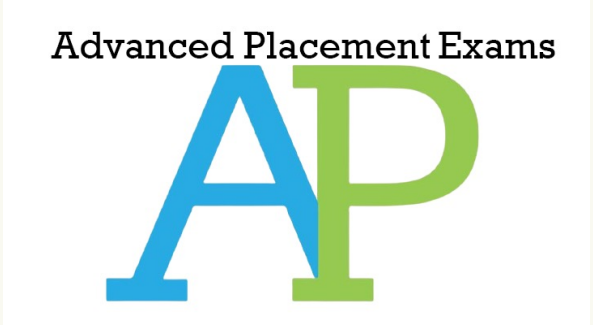
Math Blaster Ep1
Davidson & Associates
Sega Genesis, 1994

Advanced Placement Exams

AP

SAT[®]

 CollegeBoard



5 skills the next generation will need for success



What are the Most Important Soft Skills our Next Generation of Leaders Need?

 Elmarie Pretorius
Owner, The Mindspa

339 articles + Follow

June 15, 2022



Jobs at Roblox

Game

x 🔍

City, state, zip code or "remote"

📍

Go

Advanced Options ▾

60 open jobs match your search Use your resume to get matched with the right job.

UPLOAD RESUME

Senior Full Stack Game Engineer, ROS Experience

📍 San Mateo, CA, United States

Engineering

Senior Quality Assurance Coordinator - Game Engine

📍 San Mateo, CA, United States

Game Engine

Game Rendering Software Engineer

🔗

Senior Full Stack Game Engineer, ROS Experience

San Mateo, CA, United States

ID: 2934

Apply Now

Job Description

Every day, tens of millions of people come to Roblox to explore, create, play, learn, and connect with friends in 3D immersive digital experiences- all created by our global community of developers and creators.

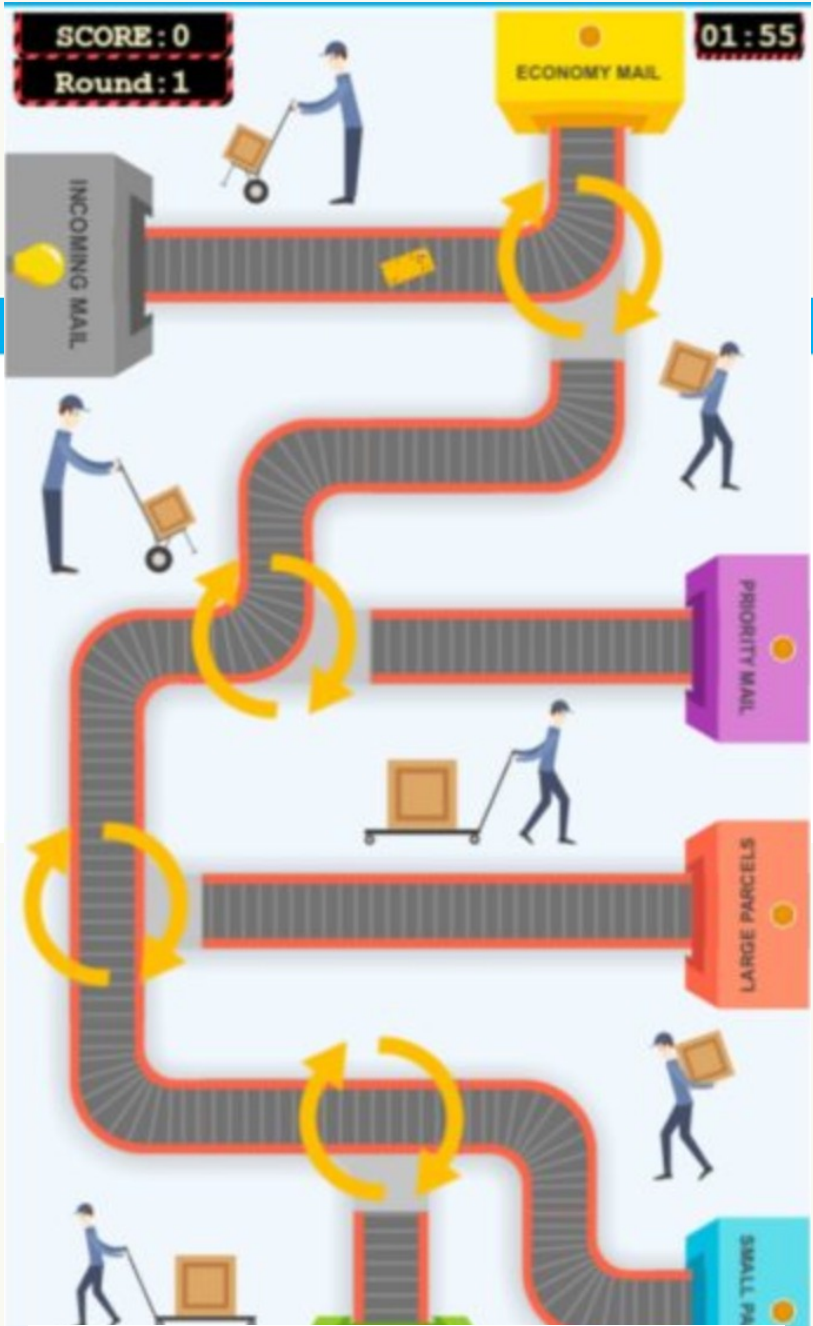
At Roblox, we're building the tools and platform that empower our community to bring any experience that they can imagine to life. Our vision

Get Matched

Upload Your Resume And See Jobs That Match Your Skills And Experience

Upload Your Resume

...



 assess candidates

THE GAMES

12 out of 16 complete

Letters



Play

Shapes



Play

Magnitudes



Play

 **pymetrics**
a Harver Company




HireVue 

 **ARCTIC SHORES**



Apax PARTNERS  **The Business Game**



Jenny McCartney
Business Mentor

Hello, I am your mentor for this project. I will show you around the office and I will e... This is your main office. It is you... your business. Now click on the plasm...





Imbellus
(logo not found)

McKinsey
& Company



Jobs at Roblox

Game

x 🔍

City, state, zip code or "remote"

📍

Go

Advanced Options ▾

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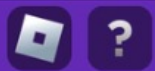
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Get Matched

Upload Your Resume And See Jobs That Match Your Skills And Experience

Upload Your Resume



Tutorial



Time Paused

[Return Home](#)

Building Draft 2

Test Robot

Tutorial Objective

Attach all the parts

☒ Default Wheel


☐ Floater



Floater

[Show Part Details](#)



Click an Attachment Point  to attach.



ENERGY USED

0 of 3



GOAL

Edit the factory to earn as much money as possible over 24 hours.

[View Instructions](#)

Tested Factories

Initial Test \$3,828

Test 1 \$5,216

Test 2 \$5,376

Hour 6 \$3,009



20

▶ Step

▶ Play

[Edit from Test 2](#)

Draft 3

[Continue Editing](#)

Explore the Factory

Feel free to explore the tutorial factory more. When you are ready to move on click the "End Tutorial" button to begin the timed, scored task.

[End Tutorial](#)



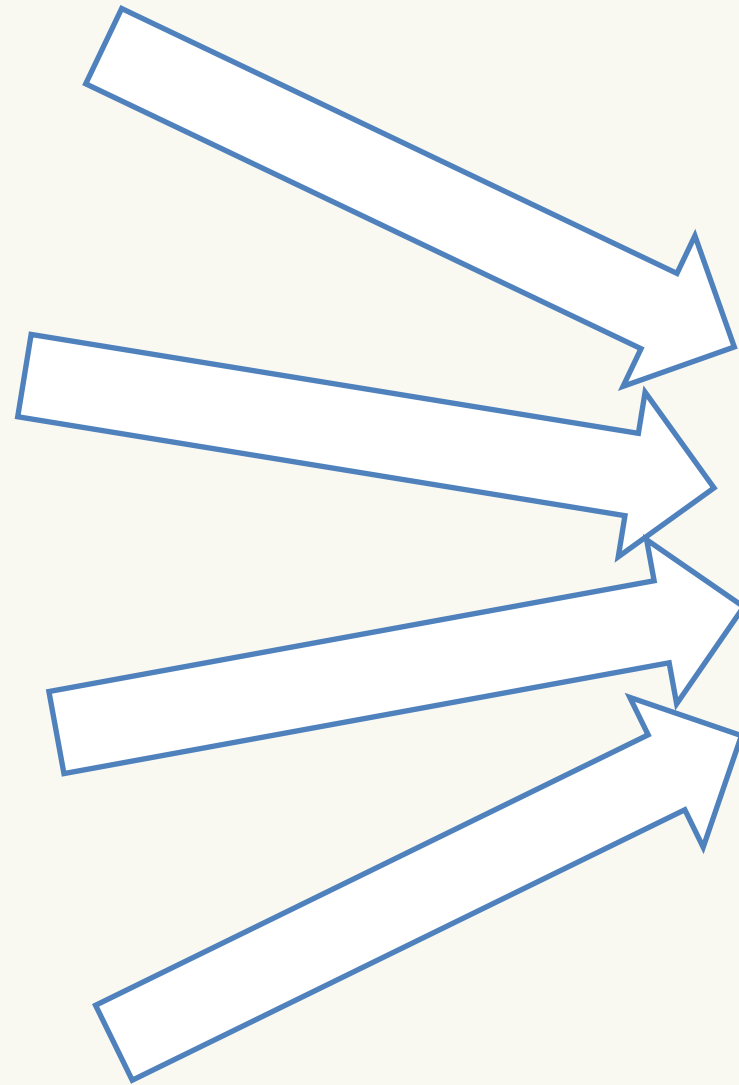
Numbers!

Internship

New College
Grad

Data Science

Product
Manager



34,000
assessments
completed
@Roblox

Numbers!

Our most recent assessment has a reliability coefficient of .93 based on internal comparisons. This is very good for an assessment.

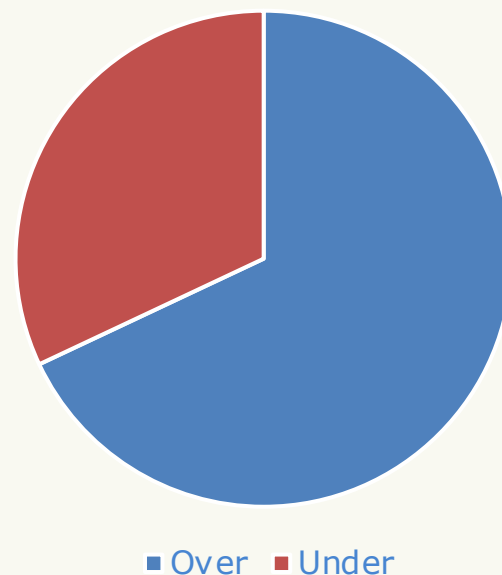
The reliability coefficient is the level of the internal consistency of the scores. A high number means that the scores measure the same thing.

Numbers!

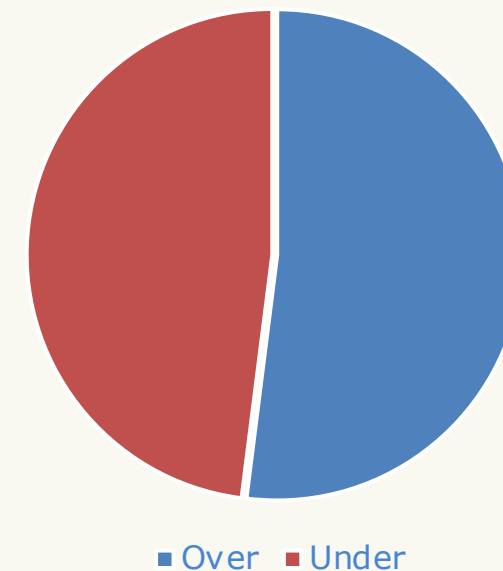
Since implementing the gamified tool in late 2020, Roblox has grown its percentage of hires from underrepresented schools from 32% from 2020 to 2021 to 48% in 2022

(<https://www.hr-brew.com/stories/2023/01/12/roblox-is-building-a-game-that-screens-applicants>)

Hires 2020/2021

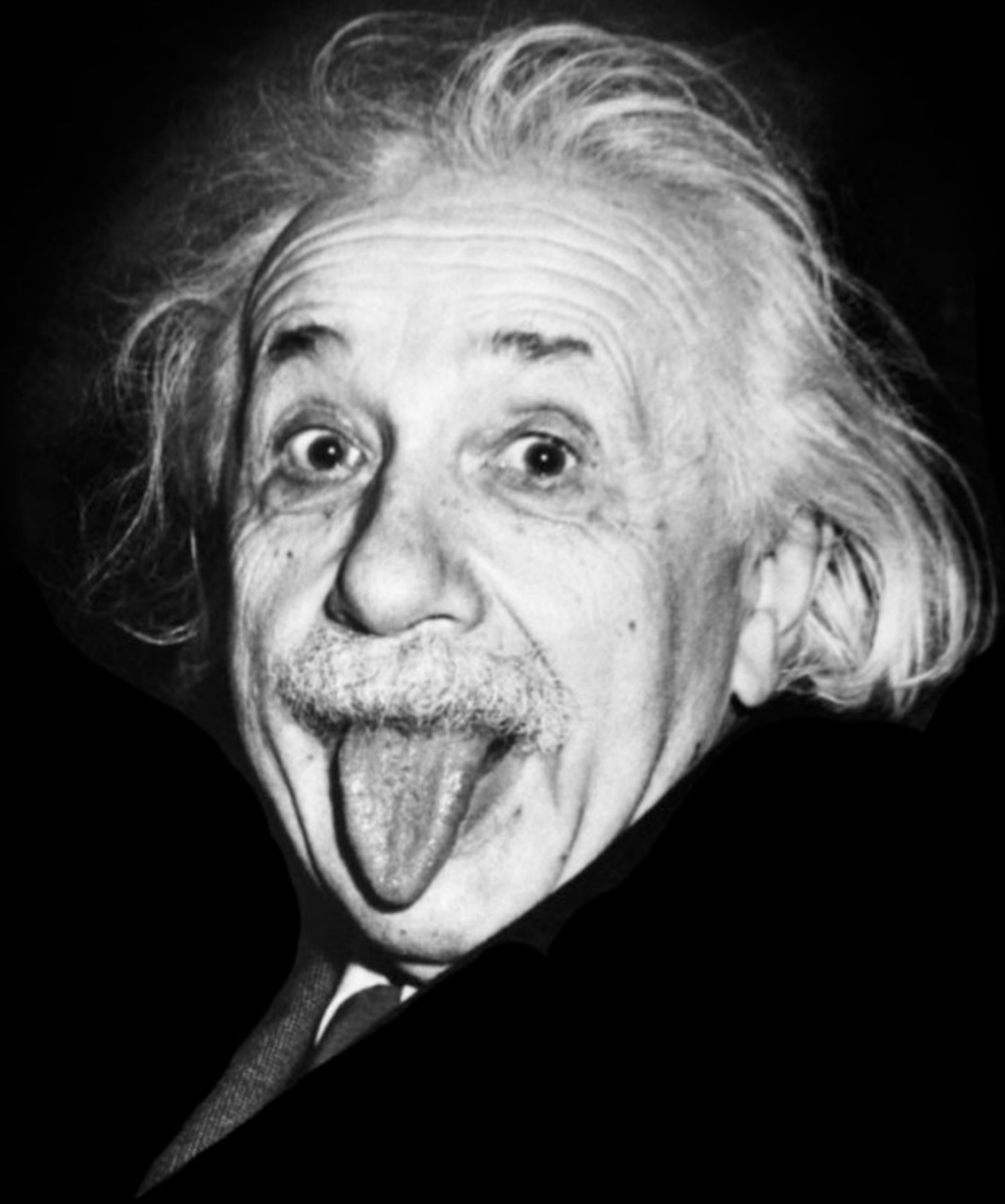


Hires 2022



How?









Game
Designer

UI/UX
Designer

Producer

Programmer



GDC

March 20-24, 2023
San Francisco, CA

GDC Changing the Sniper Rifle from 0.5 to 0.7 Seconds in Halo 3

1:02:17

GDC 'Diablo' Classic Postmortem

1:17:43

GDC The Challenges of Collaboration

44:48

GDC Building Strong Studio Culture

1:11:15

GDC How I Got My Mom to Play Through Plants vs. Zombies

54:50

GDC Shipbreaker: Creating Processes for Original IPs

33:01

#GDC23





Game Designer

Producer

UI/UX Designer

Psychometrician

Data Scientist

Programmer





BY SARAH NORTHWAY
& FRIENDS

REBUILD 3

GANGS OF DEADSVILLE



+ NEW GAME

▶ CONTINUE

≡ LOAD GAME



Core Gameplay Loops

Traditional Game Dev

The core loop needs to be fun and support long-term engagement and monetization.

Assessment Games

The core loop needs to support scores and equivalent variations and ideally be fun.

No monetization

No retention - each player plays once, ever.

Prototyping

Traditional Game Dev

Occasional paper prototypes for internal review and discussion. Varies a lot by team.

Assessment Games

Everything gets a paper prototype as quickly as possible, which we run through full testing suites.

Documentation

Traditional Game Dev

Documentation is a specification for developers to build the things.

Assessment Games

Documentation is a tool to help developers and academics see each others' perspectives. And a spec for developers and a spec for scores.

Playtesting

Traditional Game Dev

Testing is critical. Put the game in front of the target audience to make sure they have fun and understand things. Watching the video to see what they do is the most rewarding part.

Assessment Games

Testing is critical. Put the game in front of the test audience to make sure they have fun, understand things, and do the right thinking. They need to verbalize their thoughts to see how those align to the game.

Process

Design			Build				Test		
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational





Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational



Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

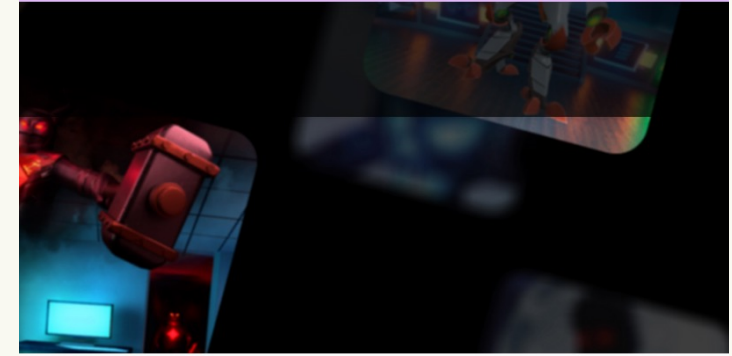
Field

Operational



Education
Training

Career
Games



Jobs at Rob

Game

60 open jobs match your search Use you

Senior Full Stack Game
Engineer, ROS Experience

San Mateo, CA, United States

Engineering

Senior Quality Assurance
Coordinator - Game Engine

San Mateo, CA, United States

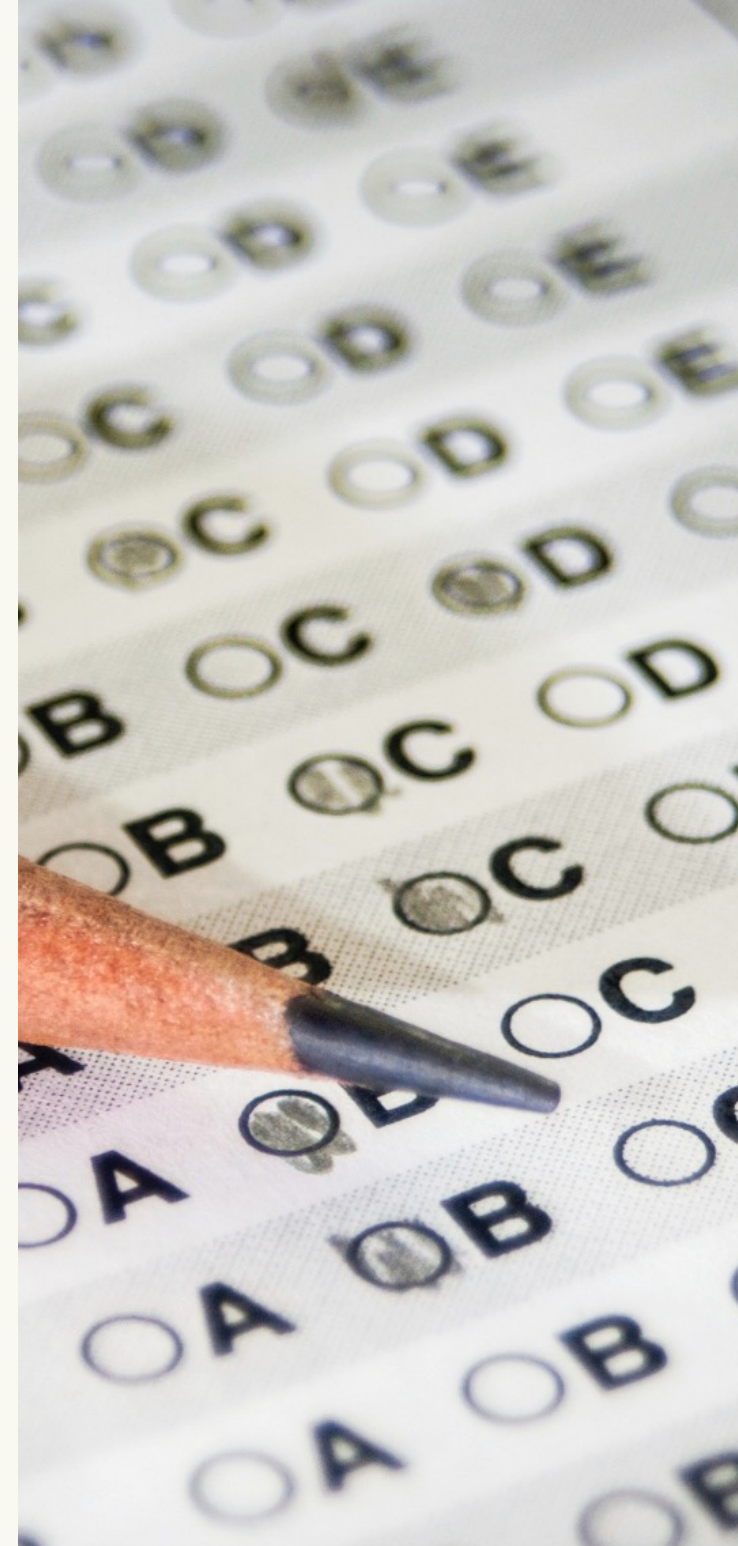
Game Engine

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Teach

Assess

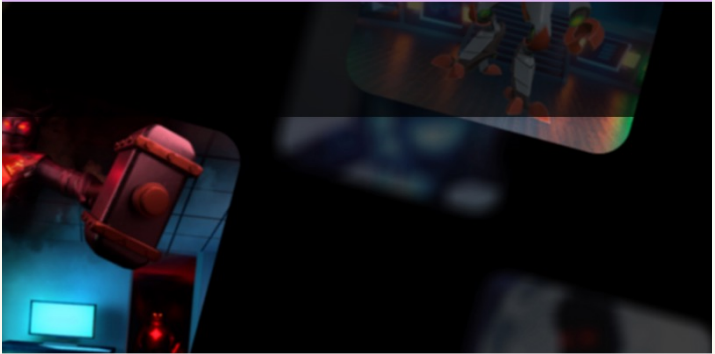


Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Formative

Summative



Jobs at Rob

Game

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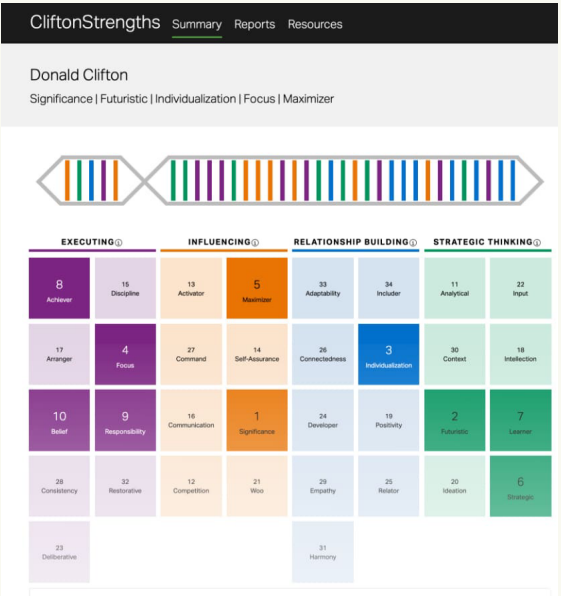
Game Engine



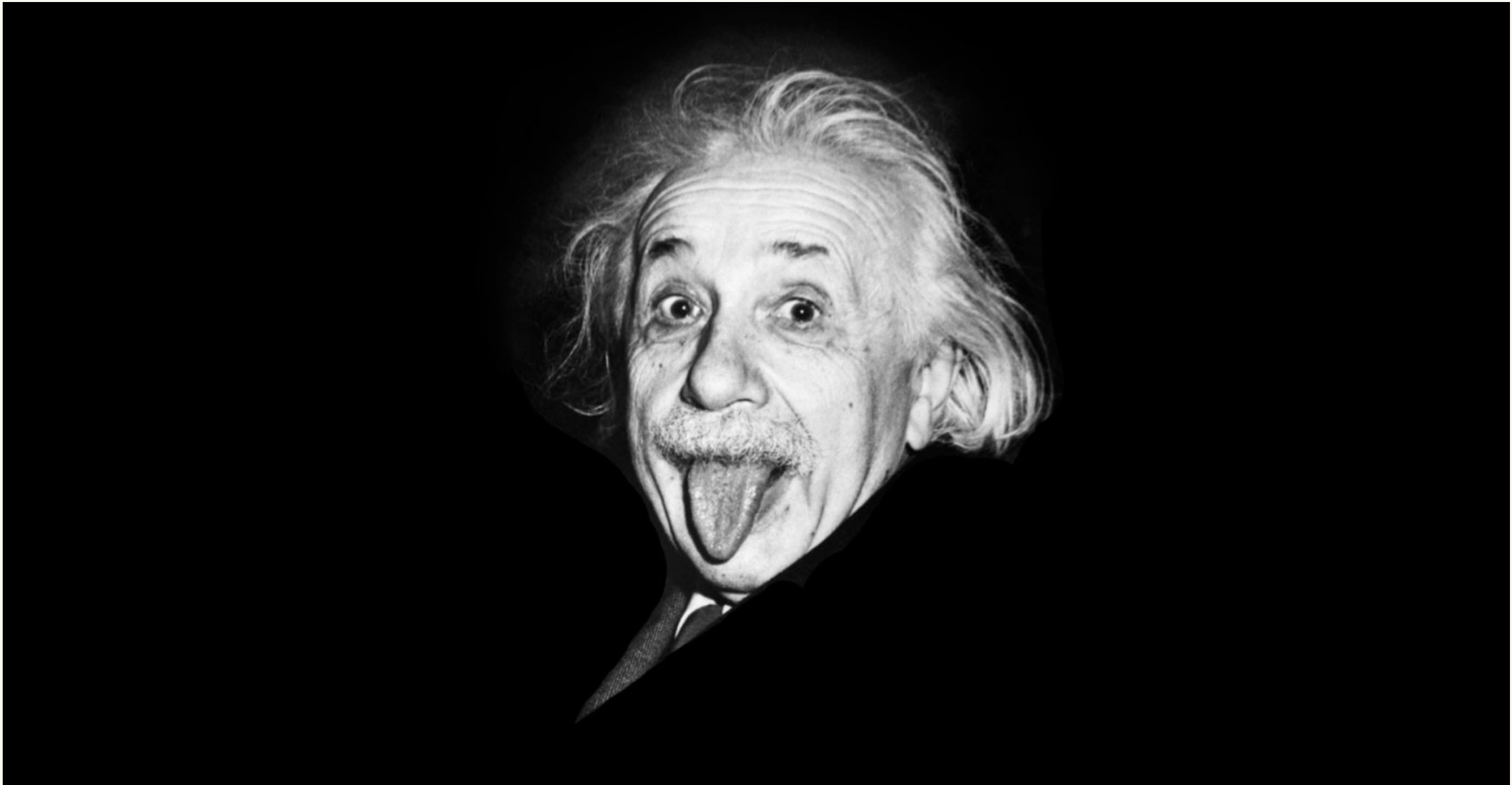
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Knowledge

Skills



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request

Needfind

Concept

Prototype

Development

Iteration

QA

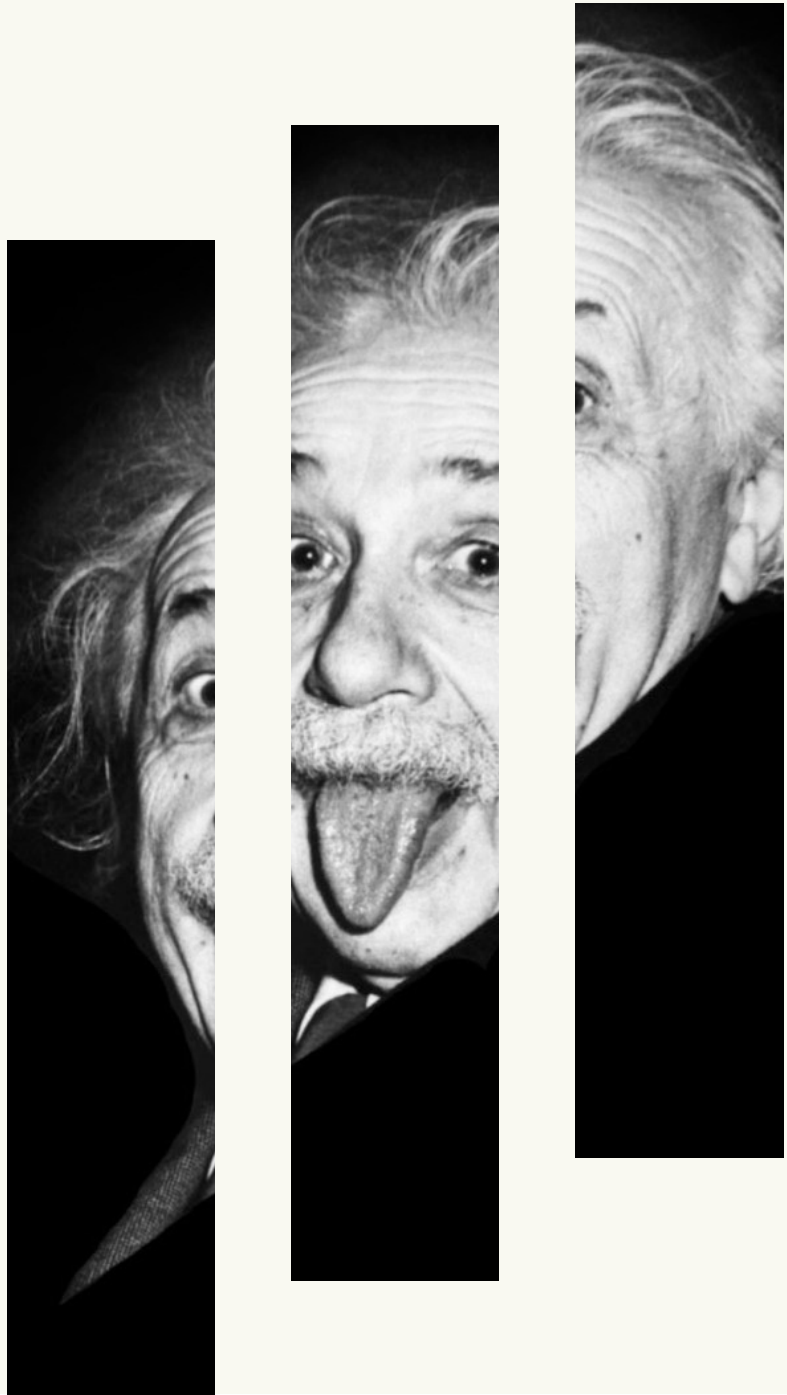
Pilot

Field

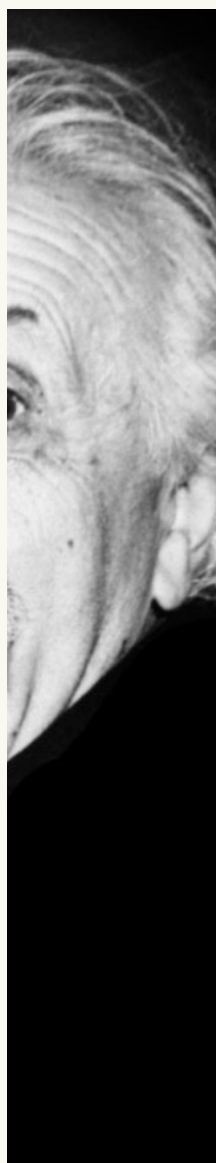
Operational



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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definition noun

def·i·ni·tion (de-fə-'ni-shən)

[Synonyms of definition >](#)

- 1 a** : a statement of the meaning of a word or word group or a sign or symbol
| dictionary *definitions*
 - b** : a statement expressing the essential nature of something
 - c** : a product of defining
- 2** : the action or process of stating the meaning of a word or word group
- 3 a** : the action or the power of describing, explaining, or making [definite](#) and clear

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request

Needfind

Concept

Prototype

Development

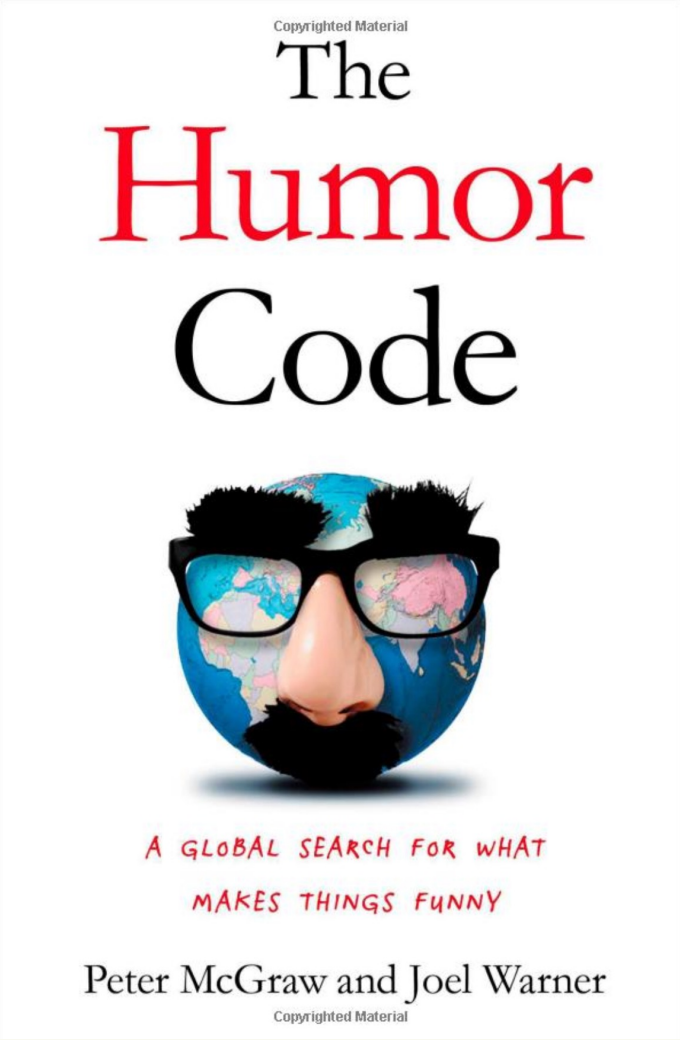
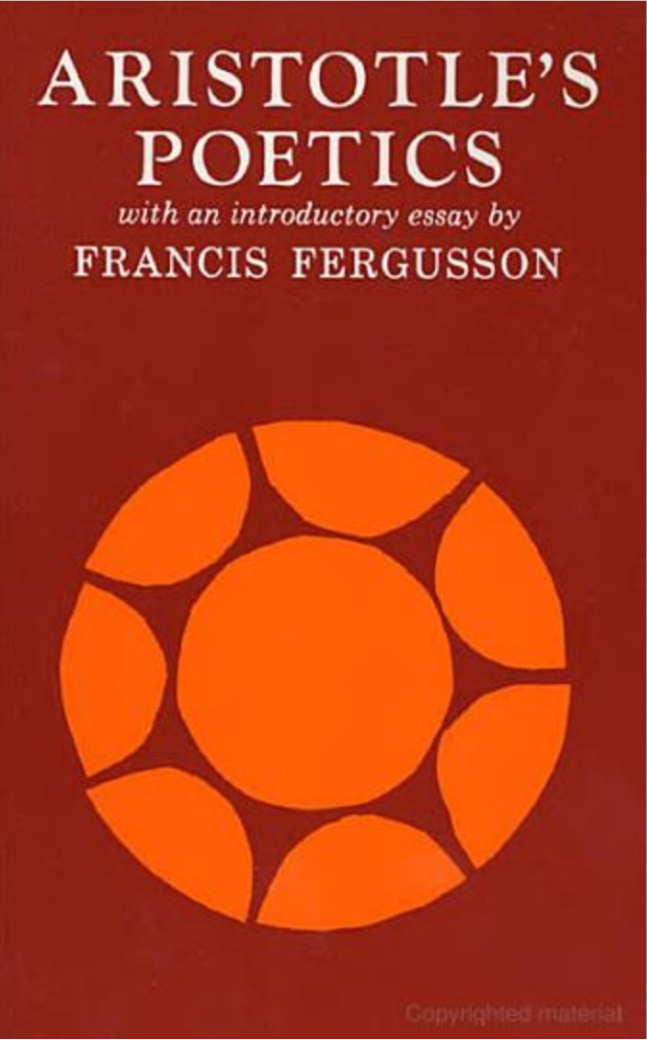
Iteration

QA

Pilot

Field

Operational



DE GRUYTER
MOUTON

2017 VOLUME 30 ISSUE 1
ISSN 0933-1719 e-ISSN 1613-3722

HUMOR
INTERNATIONAL JOURNAL OF
HUMOR RESEARCH

EDITOR-IN-CHIEF
Thomas F. Ford

DE
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www.degruyter.com/humor

Requires Authentication Published since January 1, 1988

HUMOR

International Journal of Humor Research

ISSN: 1613-3722

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Impact Factor: 1.288

Request

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Request

Needfind

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Iteration

QA

Pilot

Field

Operational



Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational



Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational

Do we really need to hire an expert?

An expert is expensive and will require process changes.

Maybe we'll hire them for a quick one-day consult.

Nah! I'm smart. I can do this myself.



Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational



Request

Needfind

Concept

Prototype

Development

Iteration

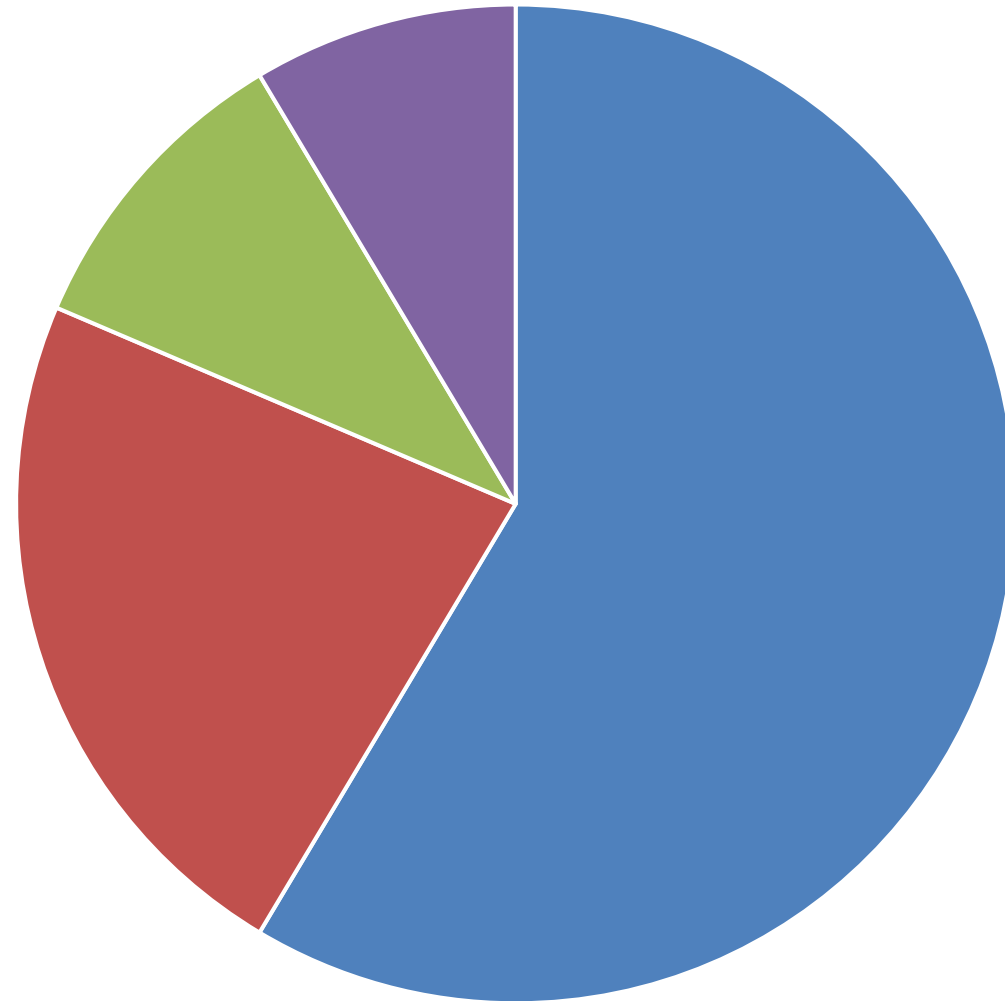
QA

Pilot

Field

Operational

Cognitive Skills



- Creative Problem Solving
- Systems Thinking
- Collaborative Problem Solving
- Situational Awareness



Request

Needfind

Concept

Prototype

Development

Iteration

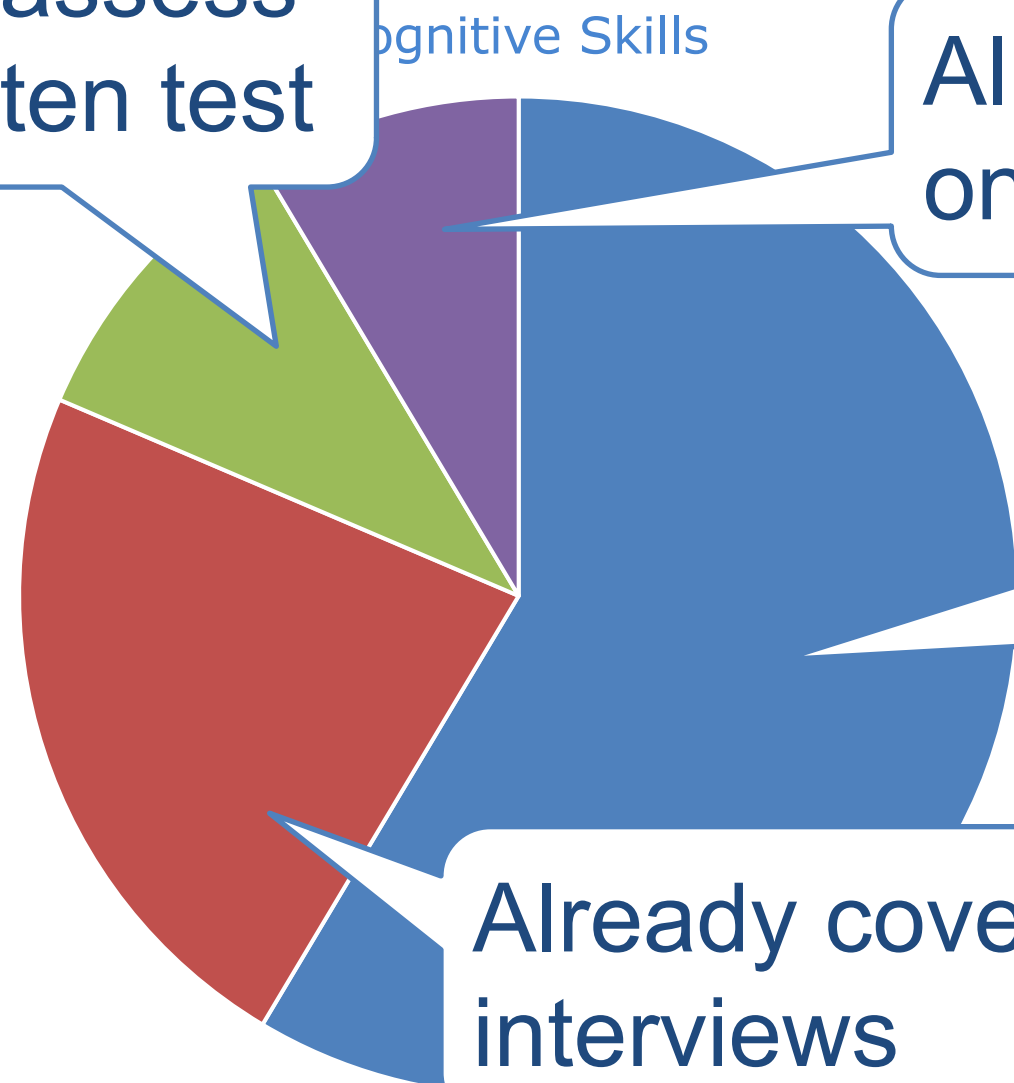
QA

Pilot

Field

Operational

Easy to assess
with written test



Already covered well based
on resume information

Hard to assess
traditionally

Already covered well in
interviews

■ Creative Problem Solving ■ Systems Thinking
■ Collaborative Problem Solving ■ Situational Awareness



Request

Needfind

Concept

Prototype

Development

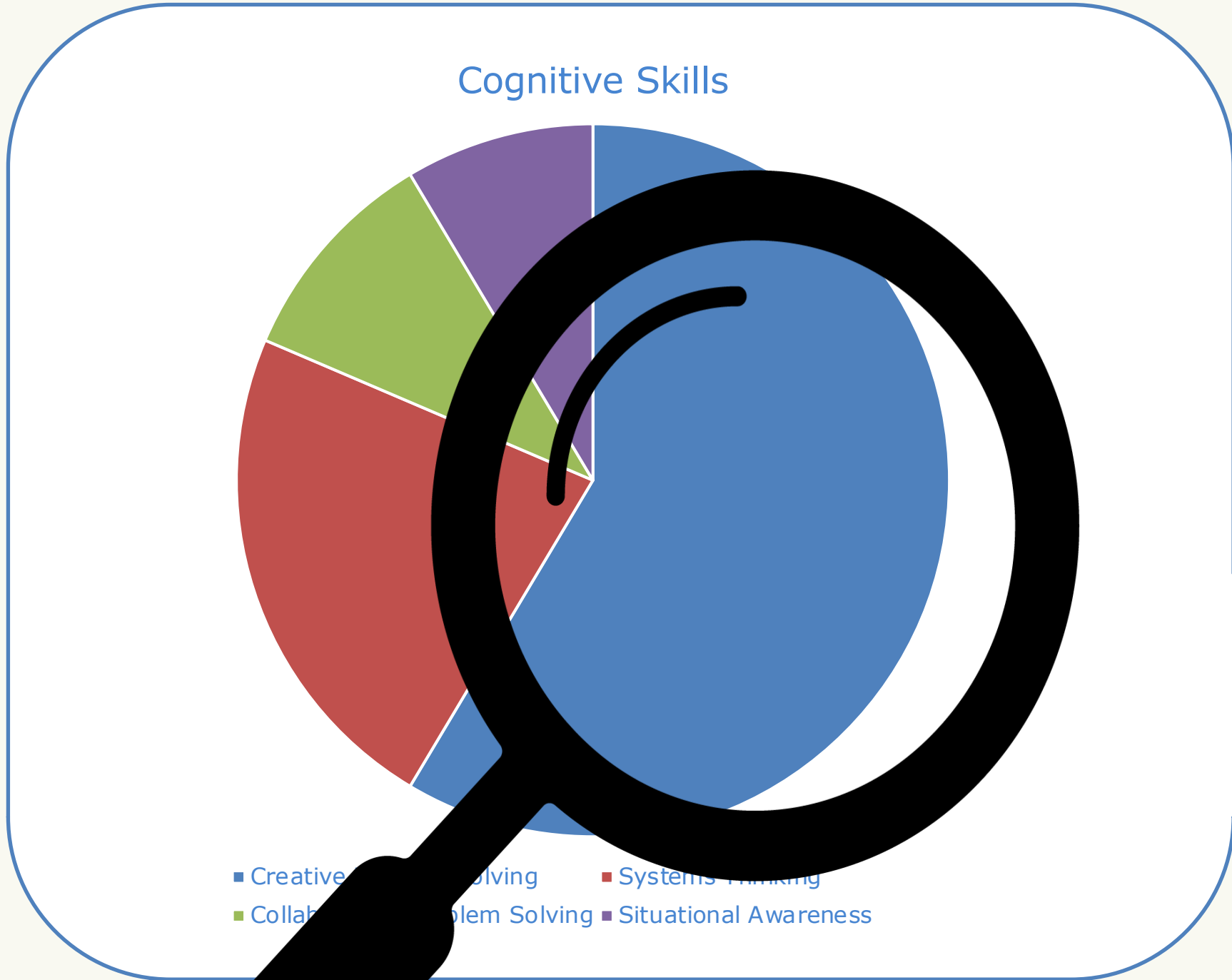
Iteration

QA

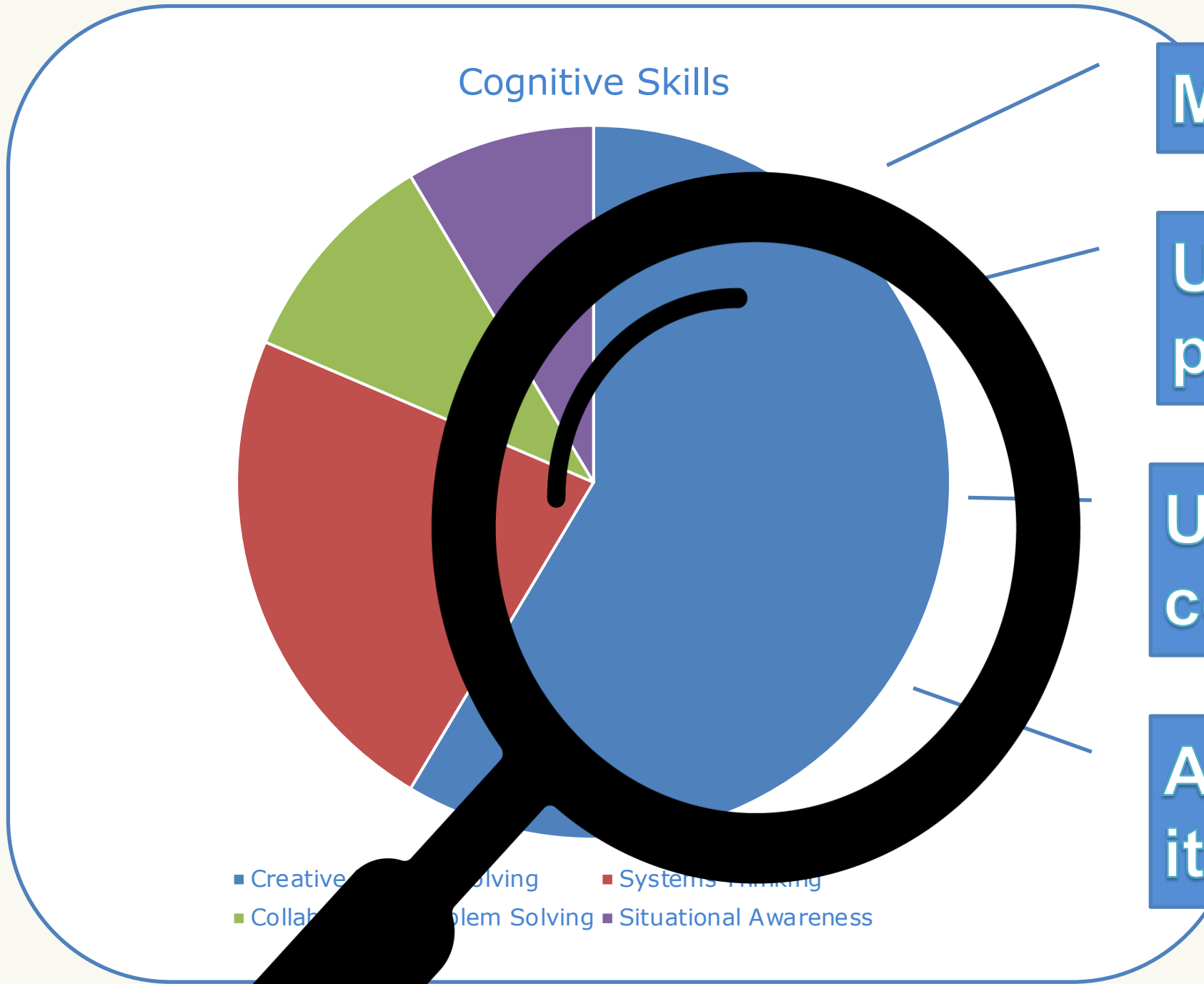
Pilot

Field

Operational



Request	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Math?

Under time pressure?

Under a high cognitive load?

And communicating it outward?



Request

and

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational

Evidence Statements (4-ESS1-1)

Observable features of the student performance by the end of the grade:		
1	Articulating the explanation of phenomena	
	a	Students identify the given explanation for a phenomenon, which includes a statement about the idea that landscapes change over time.
	b	From the given explanation, students identify the specific aspects of the explanation they are supporting with evidence.
2	Evidence	
	a	Students identify the evidence relevant to supporting the explanation, including local and regional patterns in the following:
		i. Different rock layers found in an area (e.g., rock layers taken from the same location show marine fossils in some layers and land fossils in other layers).
		ii. Ordering of rock layers (e.g., layer with marine fossils is found below layer with land fossils).
		iii. Presence of particular fossils (e.g., shells, land plants) in specific rock layers.
		iv. The occurrence of events (e.g., earthquakes) due to Earth forces.

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Evidence Statements

1. Evaluation – Is this joke actually funny?
2. Ability to explain why a joke is funny.
3. Generation – Given a situation, come up with ways to frame it humorously.
4. Joke Telling – Given a joke, ability to deliver it verbally to amuse an audience.
5. Ability to identify the correct response to humor.

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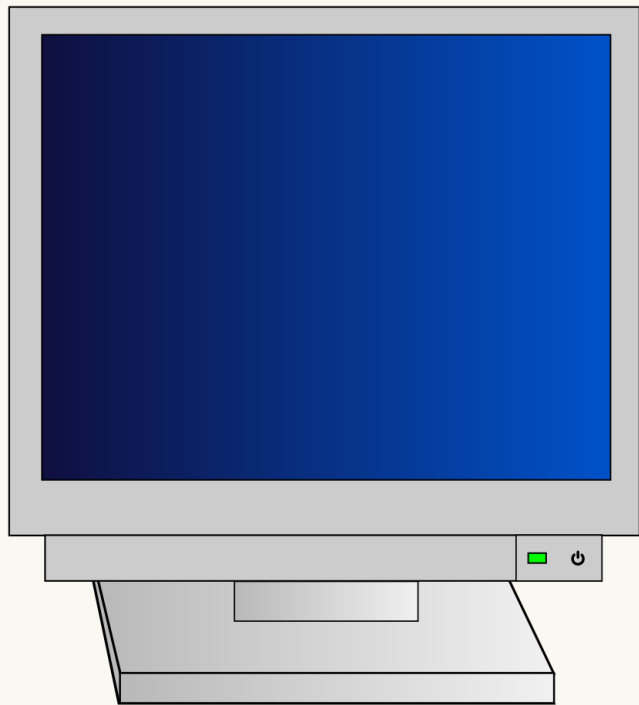
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Evidence Statements

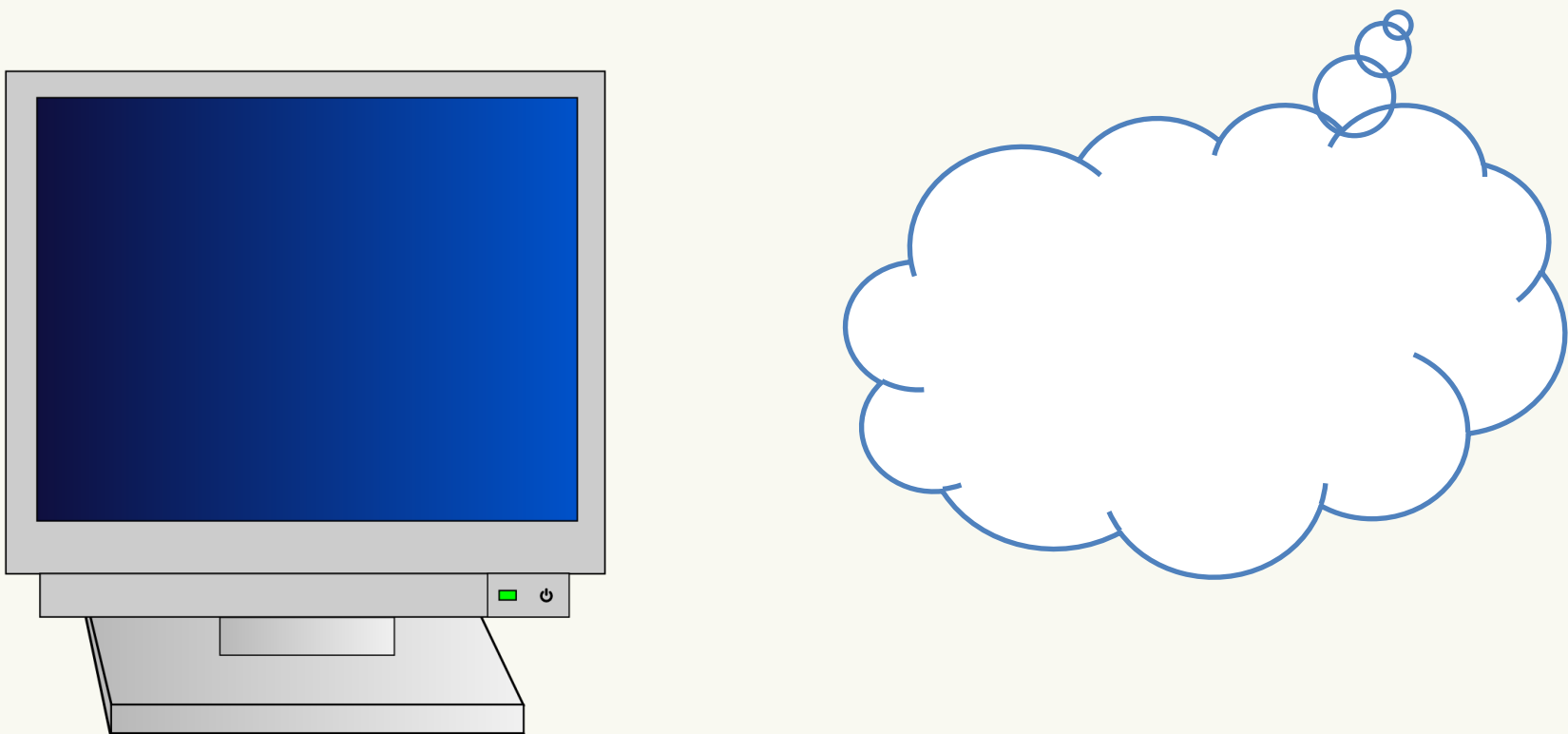
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Evidence Statements

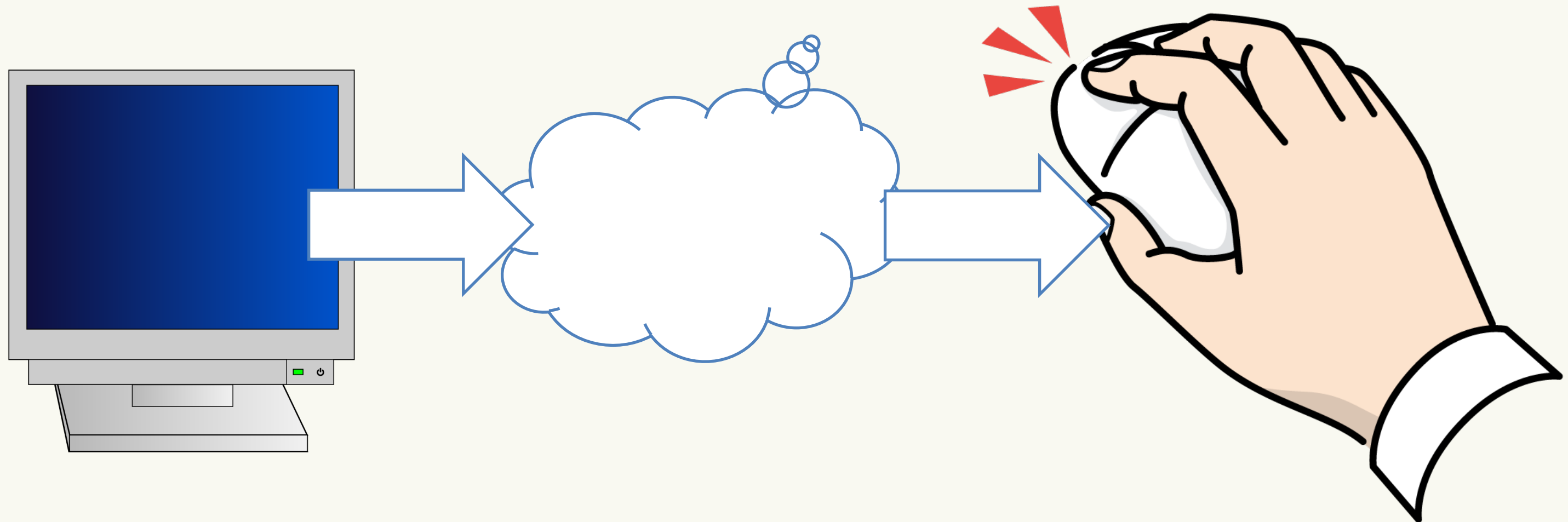
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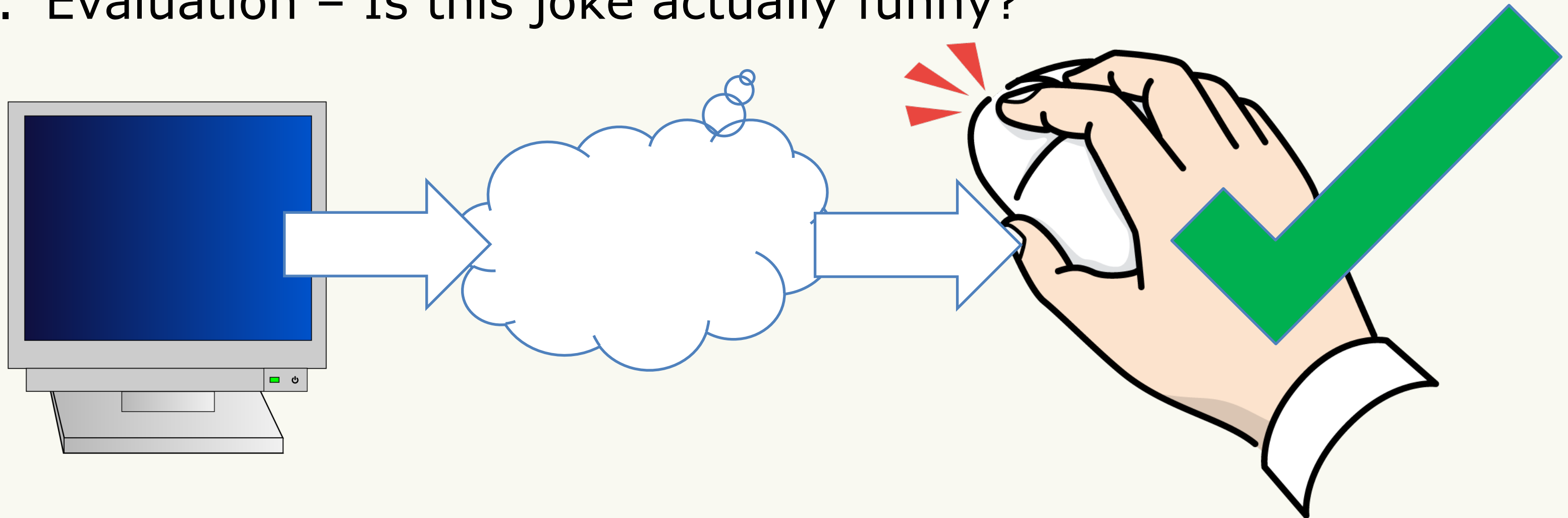
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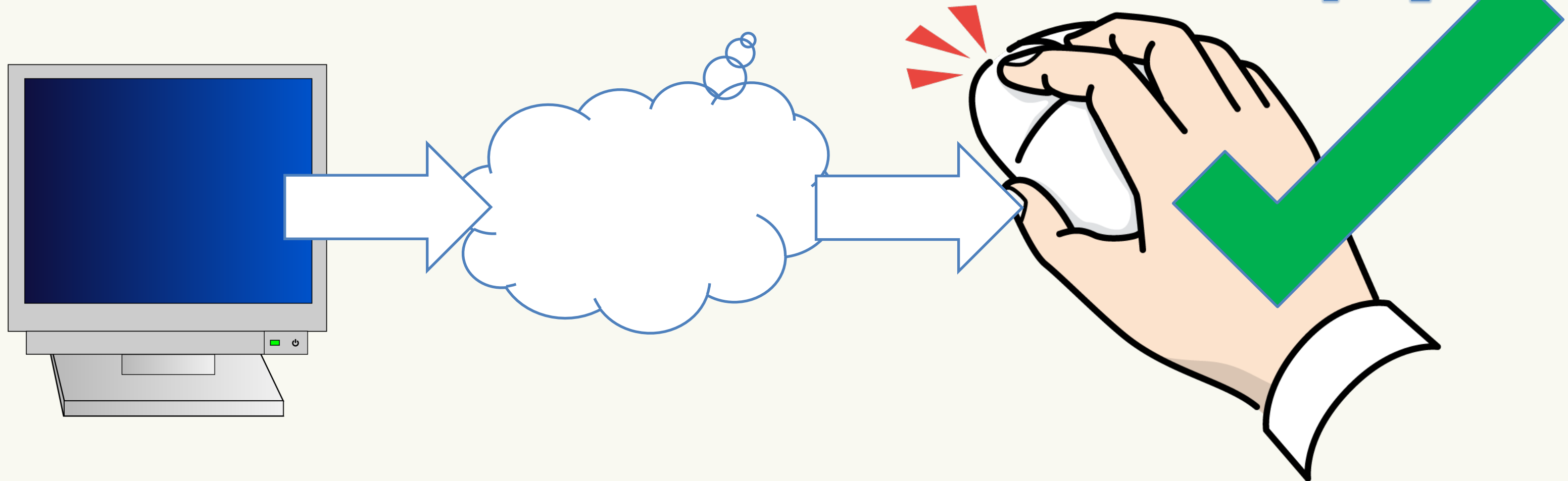


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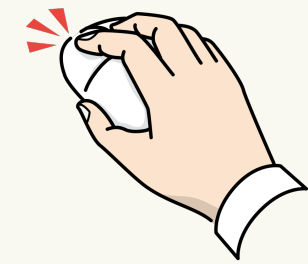
= +4




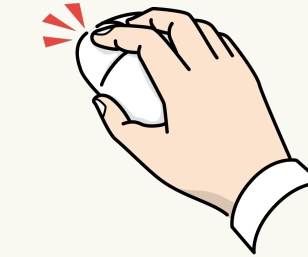
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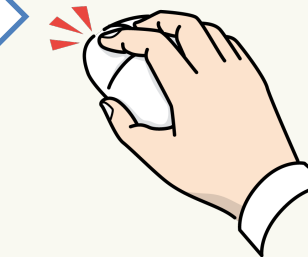
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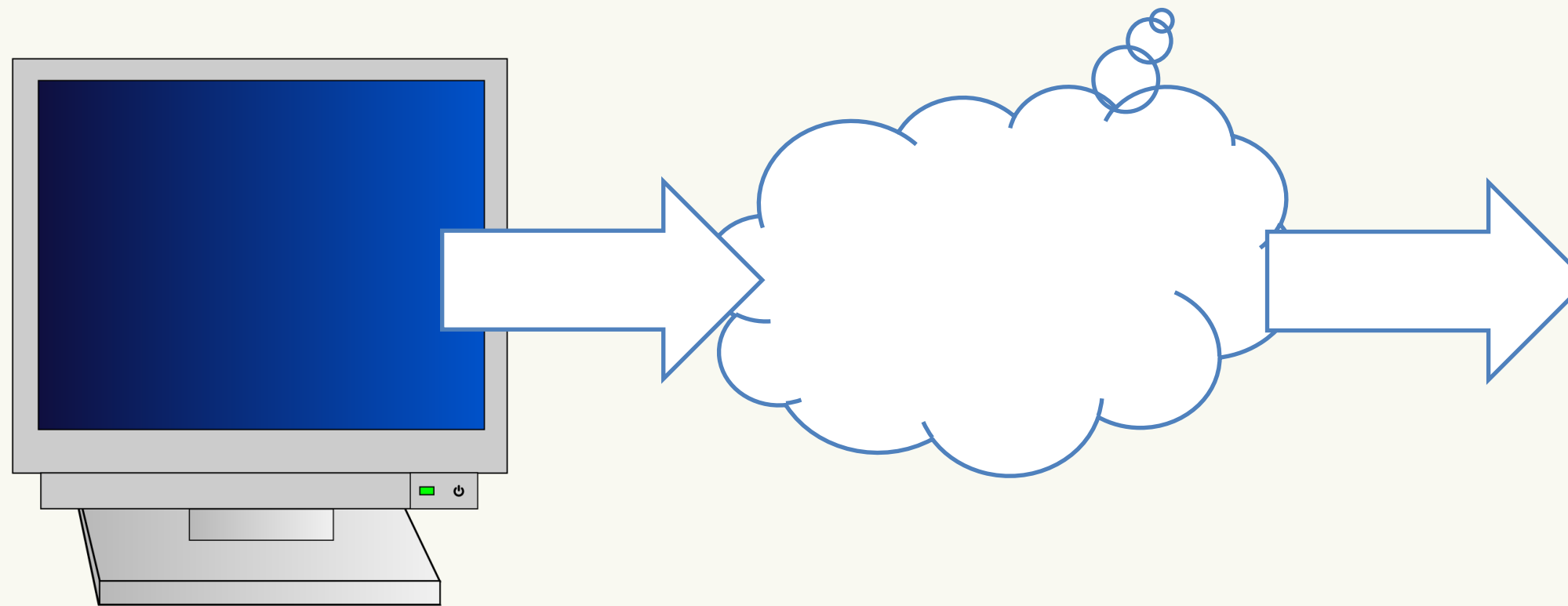
 $= +2$

 $= +3$

 $= +1$

 $= -4$

 $= -1$



Request

Needfind

Concept

Prototype

Development

Iteration

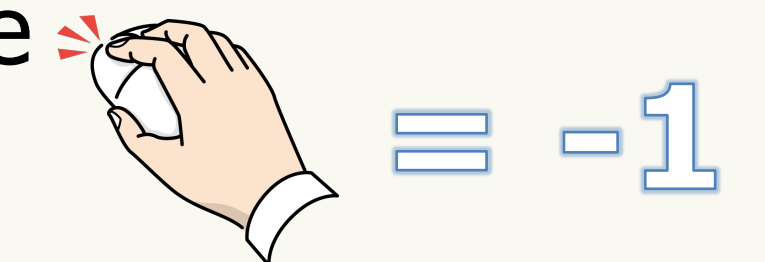
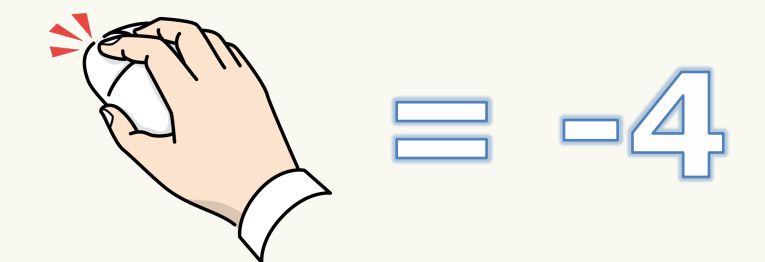
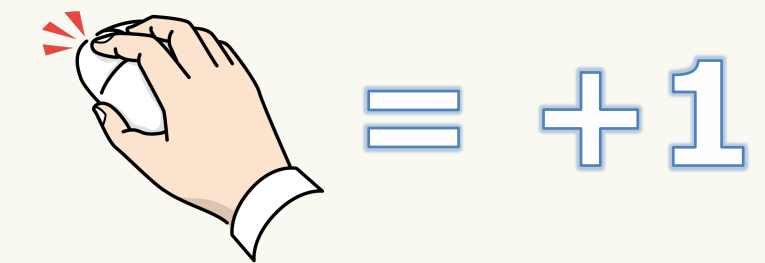
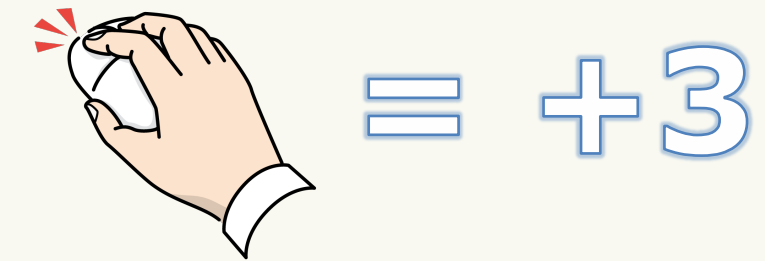
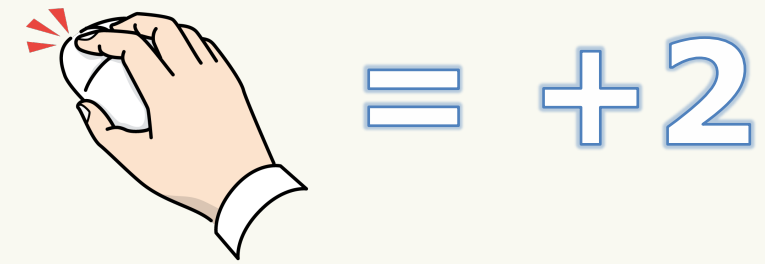
QA

Pilot

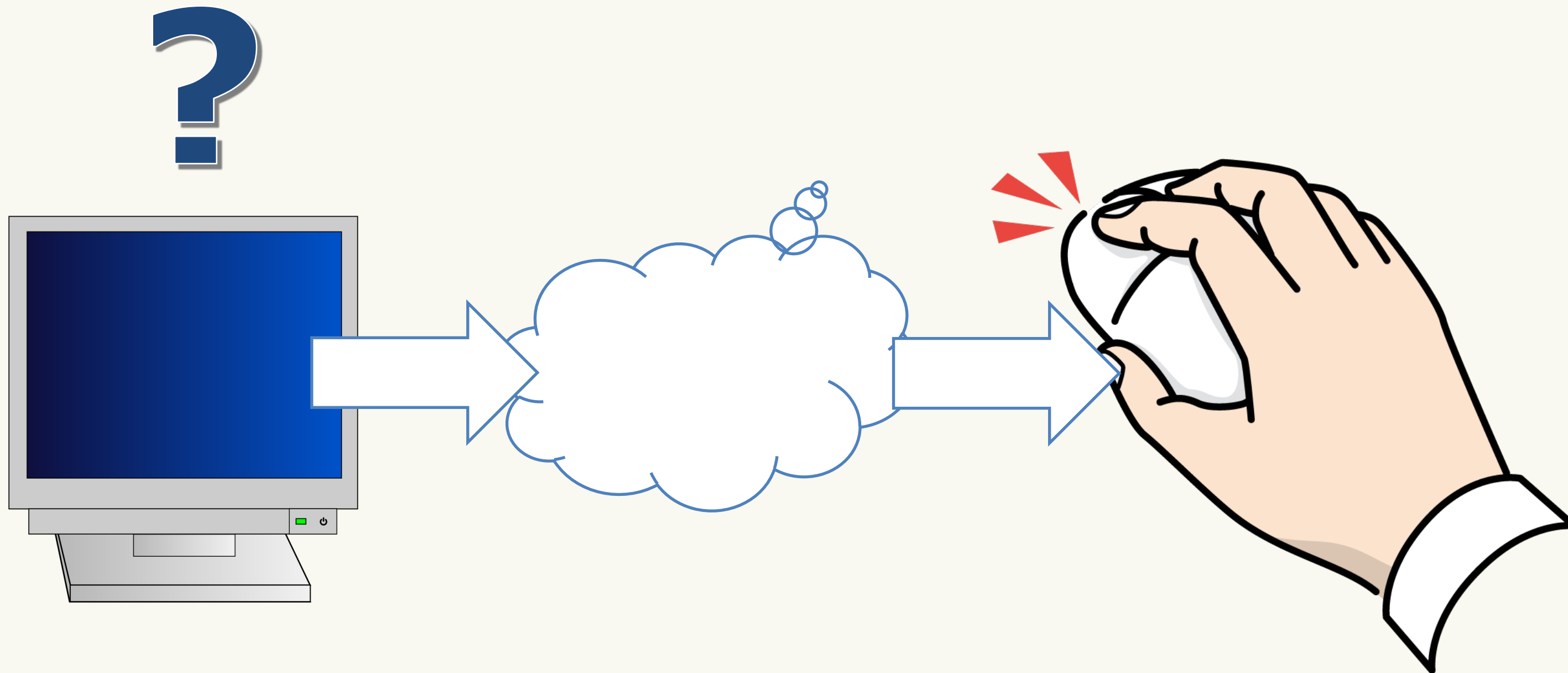
Field

Operational

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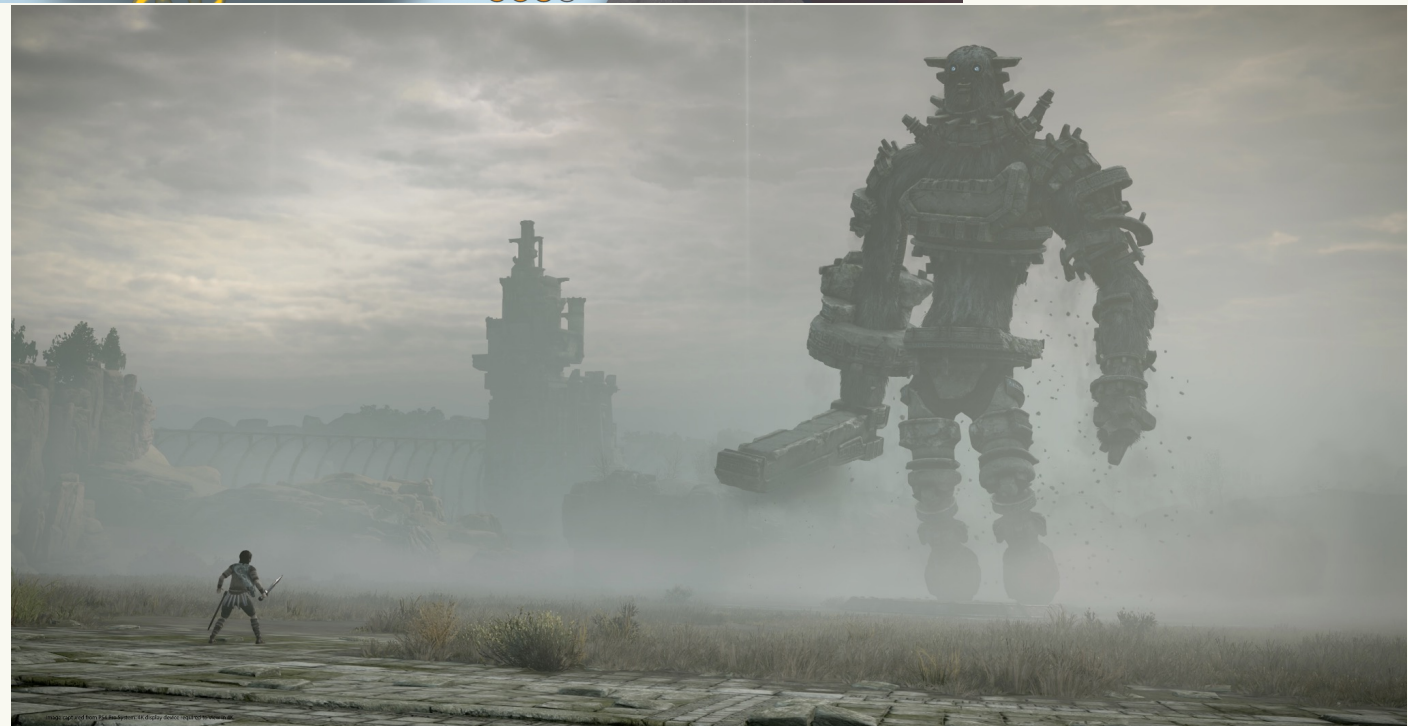


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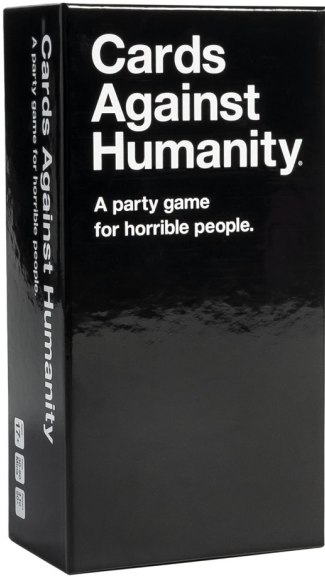
BIG LIST OF IDEAS

1. One
2. Two
3. Three
4. Four
5. Five
6. Six
7. Seven
8. Eight

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request

Needfind

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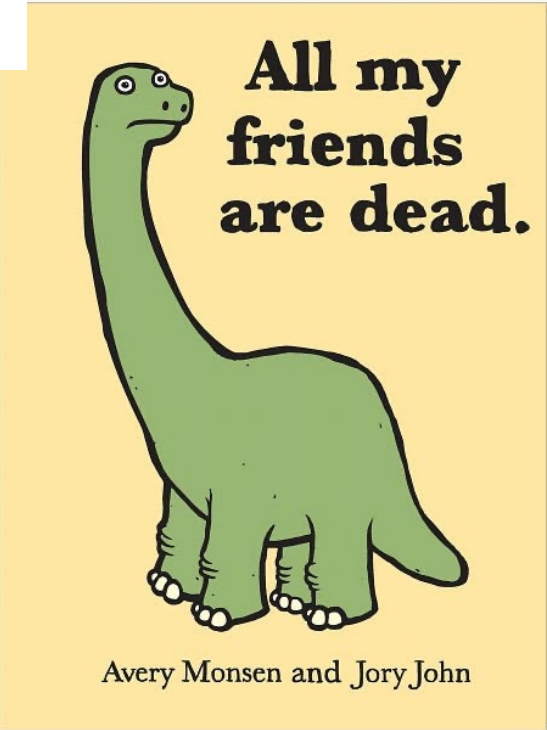
Operational

When you purchase through links on our site, we may earn an affiliate commission. [Here's how it works.](#)

[HOME](#) ▶ [CULTURE](#) ▶ [TV SHOWS](#)

The 52 Best Comedy TV Shows Ever

The shows that will make you laugh until your face hurts.



Request

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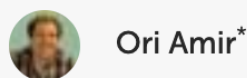
Pilot

Field

Operational

Humor Assessment

The Frog Test: A Tool for Measuring Humor Theories' Validity and Humor Preferences



Ori Amir*

Psychology Department, University of Southern California, Los Angeles, CA, USA

For over a century multiple theoretical accounts proposed different sets of necessary and sufficient conditions for distinguishing humorous from non-humorous stimuli. The theories ranged from [Freud's \(1960/1905\)](#) expression of forbidden thoughts, superiority theories (e.g., [Gruner, 2000](#)), and benign violations ([McGraw and Warren, 2010](#)) to incongruity resolution ([Suls, 1972](#)), error detection ([Hurley et al., 2011](#)), and even purely neural accounts ([Biederman and Vessel, 2006](#); [Amir et al., 2015](#)). Proponents of the different theoretical accounts often show a high degree of conviction, suggesting introspection might not be the best tool for judging the validity of humor theories.



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Operational

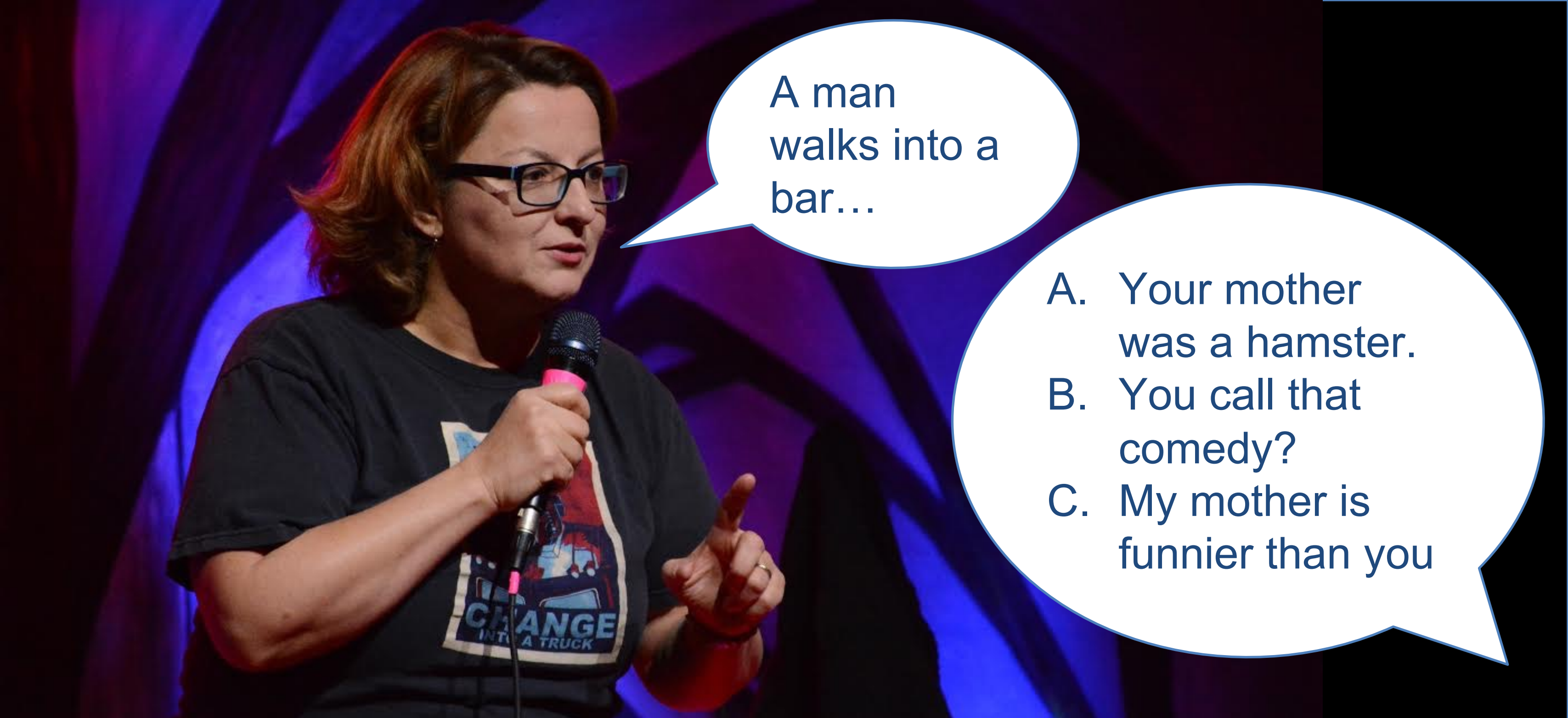


A man
walks into a
bar...



Applause-o-Meter

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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A man
walks into a
bar...

- A. Your mother
was a hamster.
- B. You call that
comedy?
- C. My mother is
funnier than you

Request

Needfind

Concept

Prototype

Development

Iteration

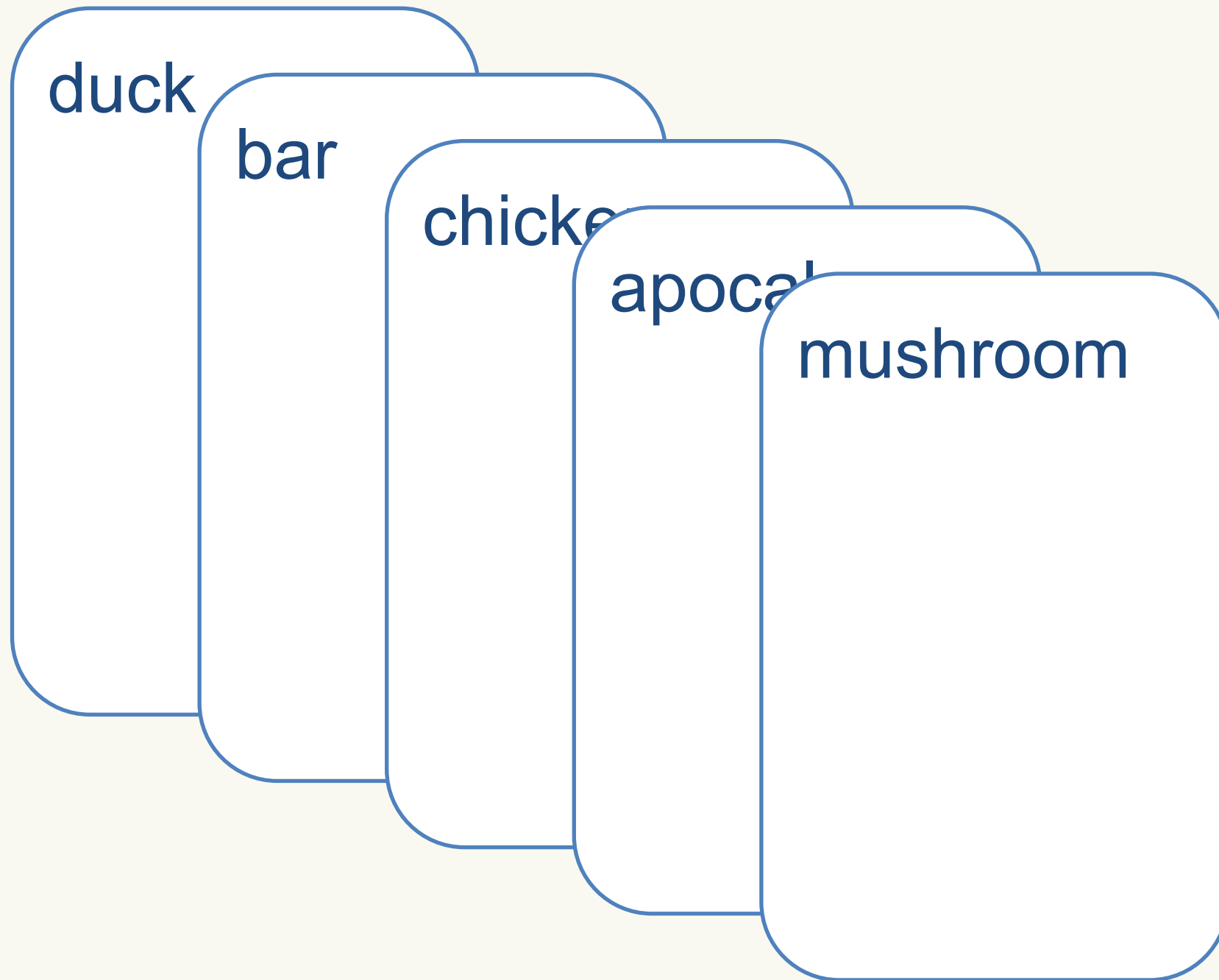
QA

Pilot

Field

Operational

A man
walks into
a...



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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A man walks into a...



Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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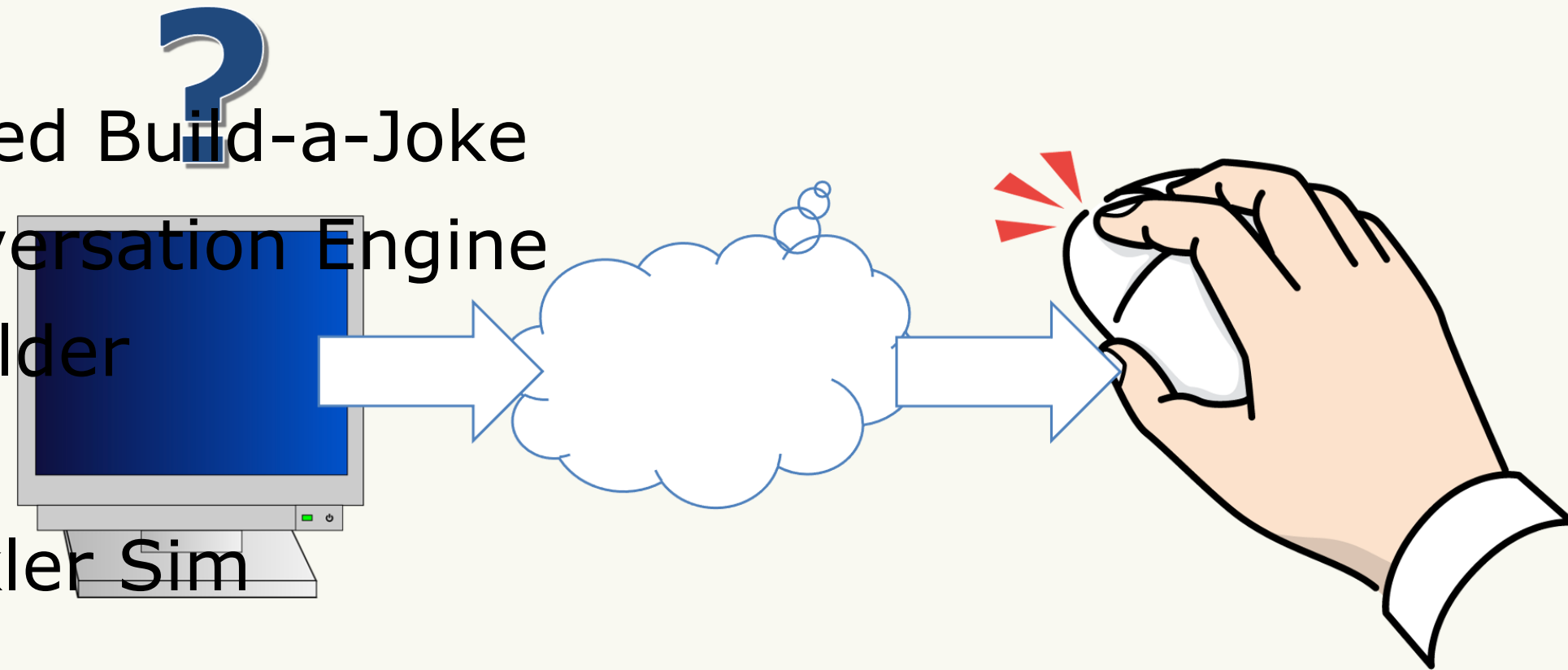
BIG LIST OF IDEAS

1. Hot or Not
2. Resource Based Build-a-Joke
3. Standup Conversation Engine
4. Card Joke Builder
5. Paper Doll
6. Standup Heckler Sim
7. Joke Factory
8. Etc...

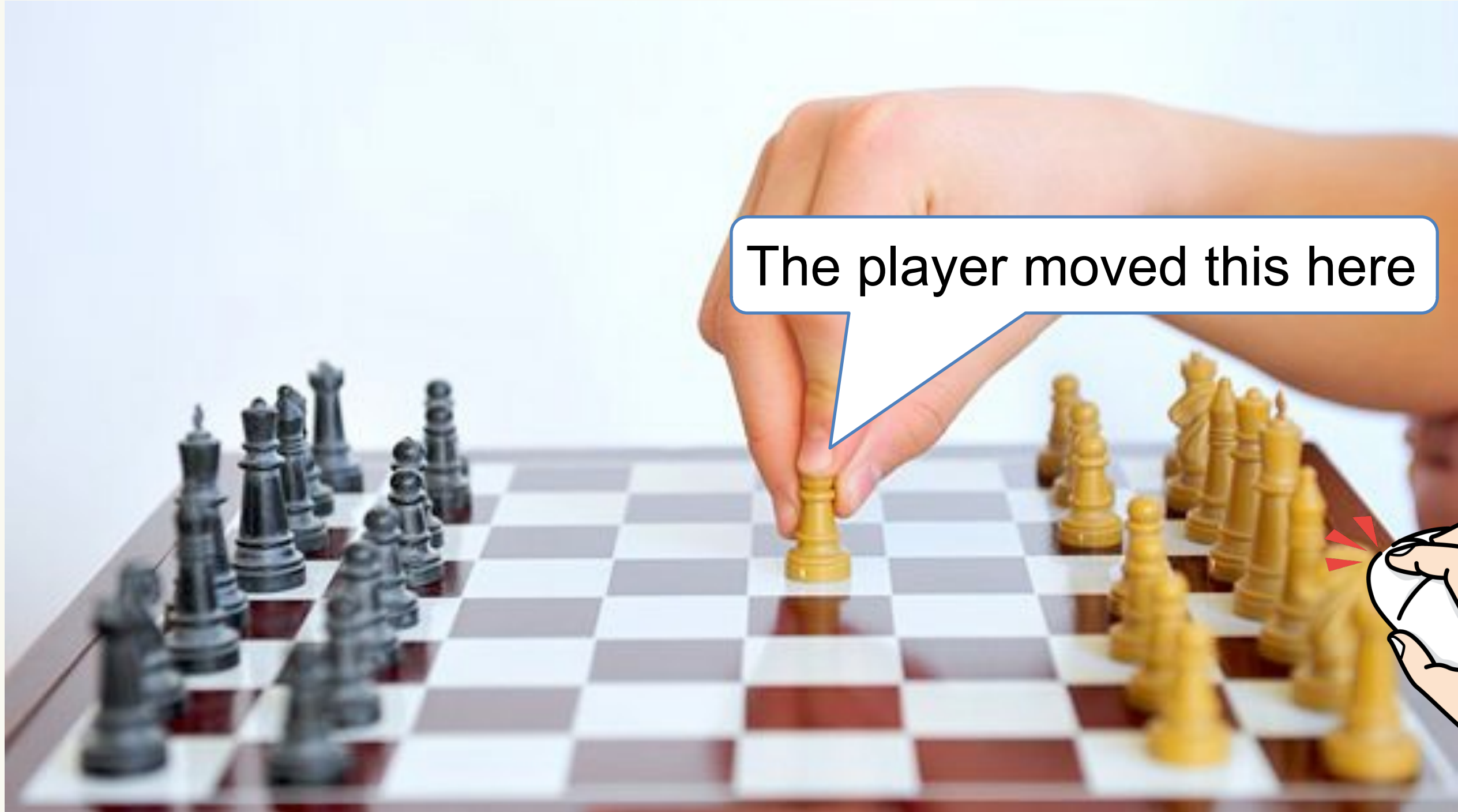
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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BIG LIST OF IDEAS

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Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational



Request

Needfind

Concept

Prototype

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Iteration

QA

Pilot

Field

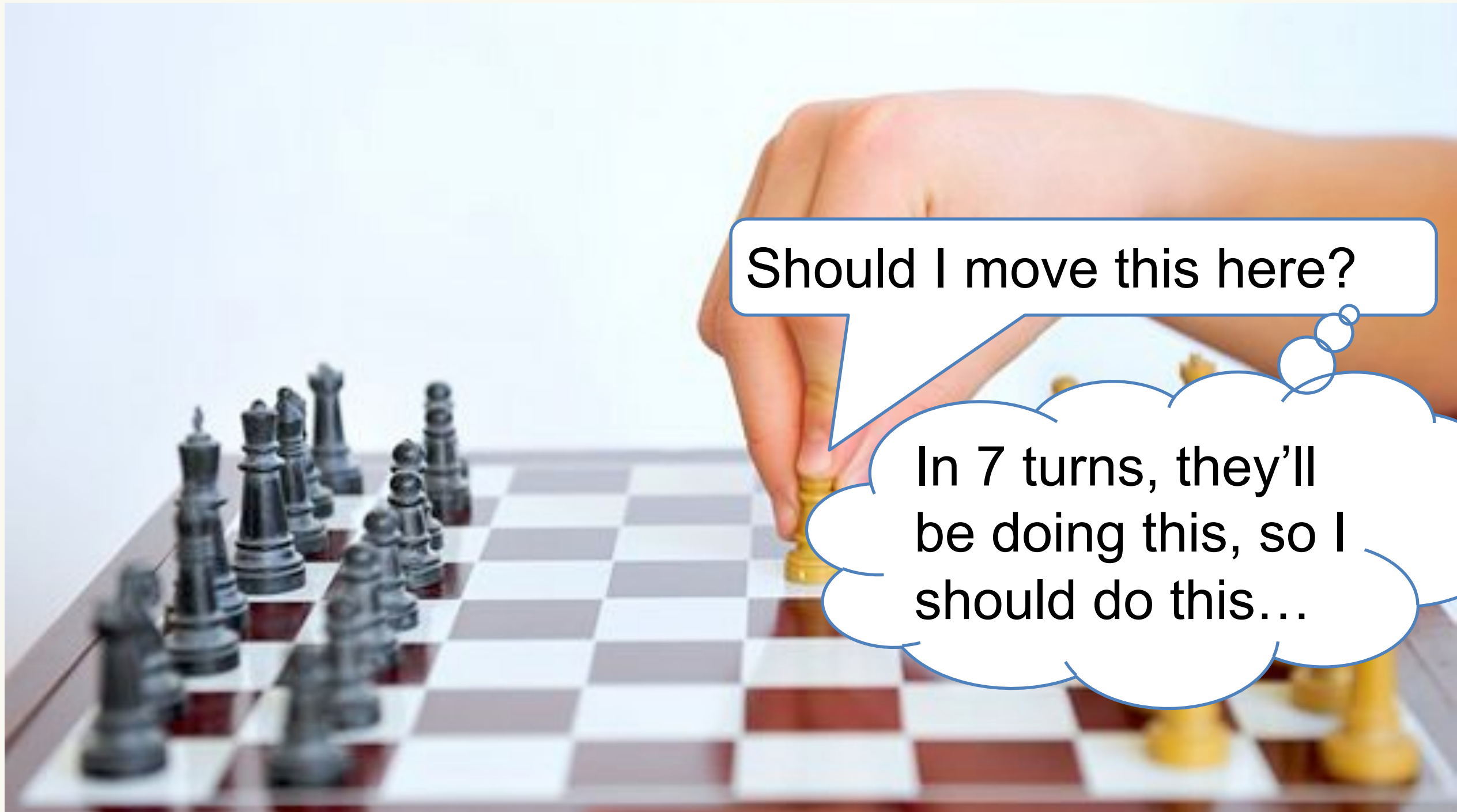
Operational



Should I move this here?

This move is
stupid but I'm
bored...

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Should I move this here?

In 7 turns, they'll be doing this, so I should do this...

Request

Needfind

Concept

Prototype

Development

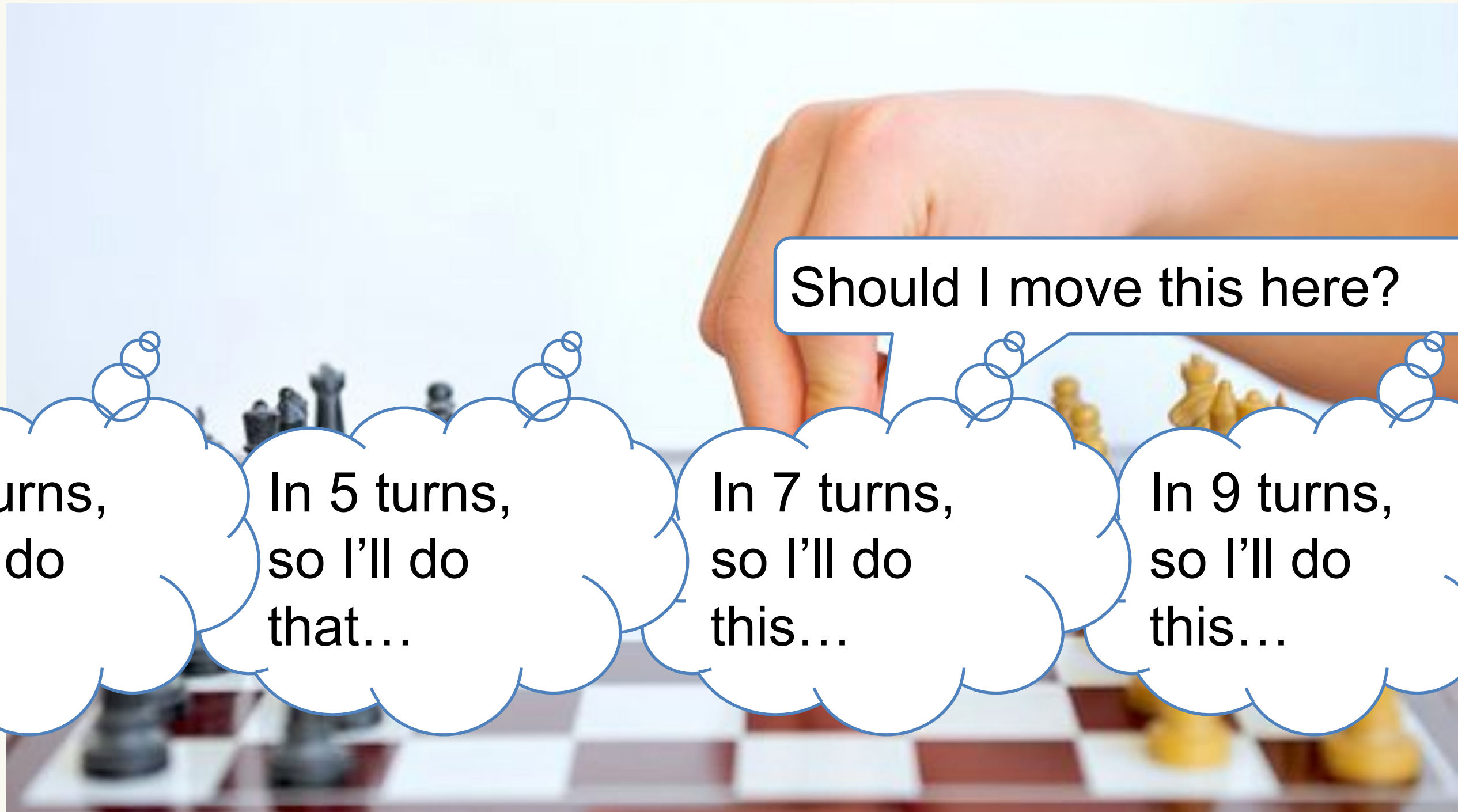
Iteration

QA

Pilot

Field

Operational



Should I move this here?

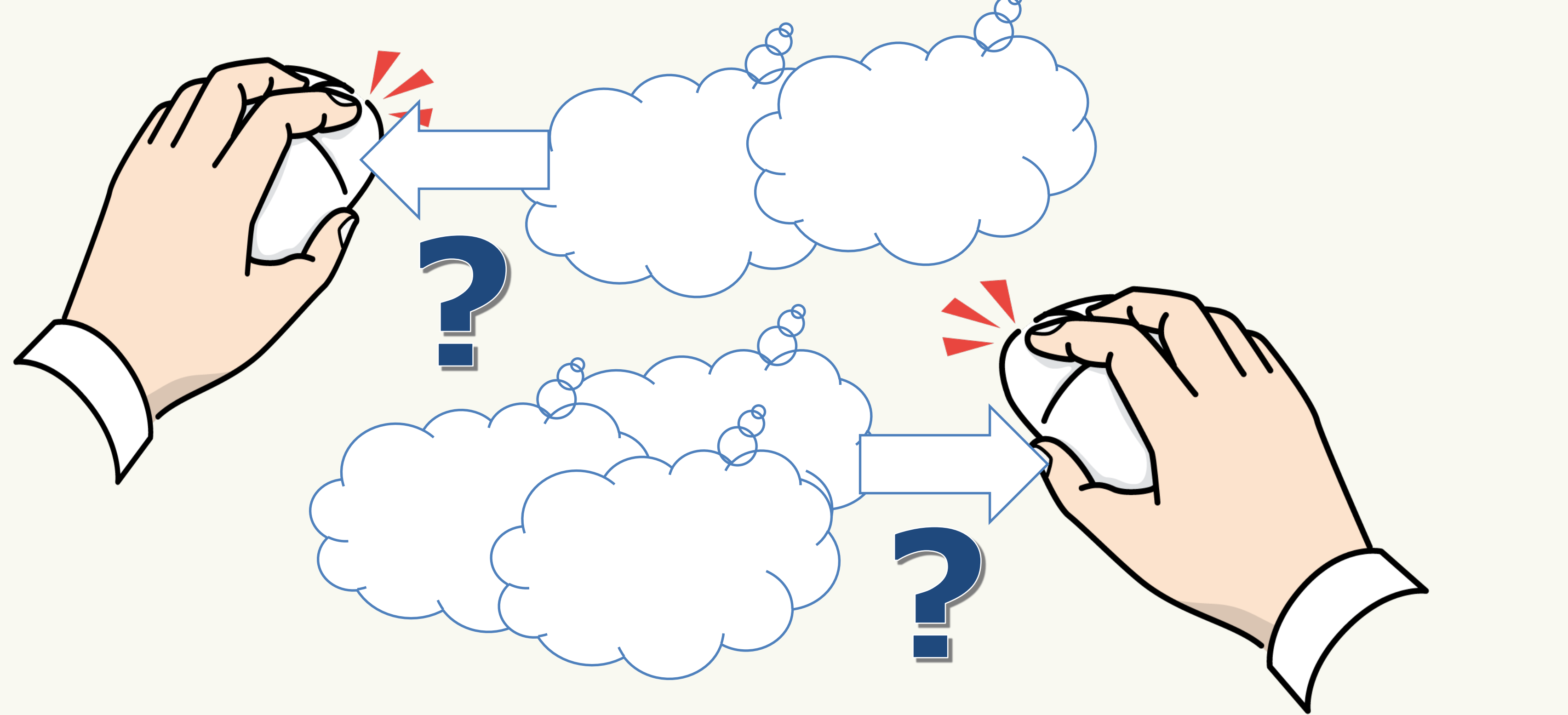
In 3 turns,
so I'll do
this...

In 5 turns,
so I'll do
that...

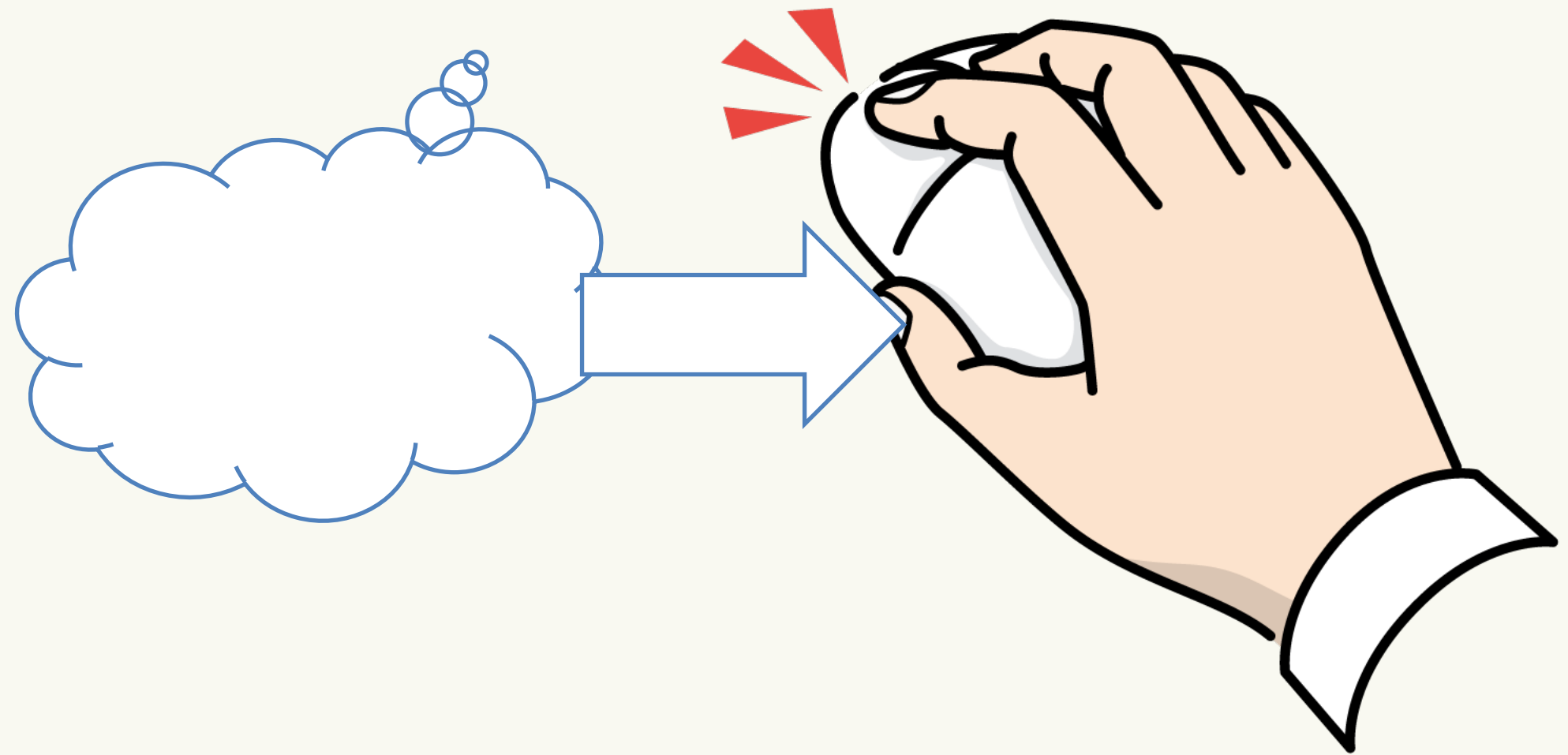
In 7 turns,
so I'll do
this...

In 9 turns,
so I'll do
this...

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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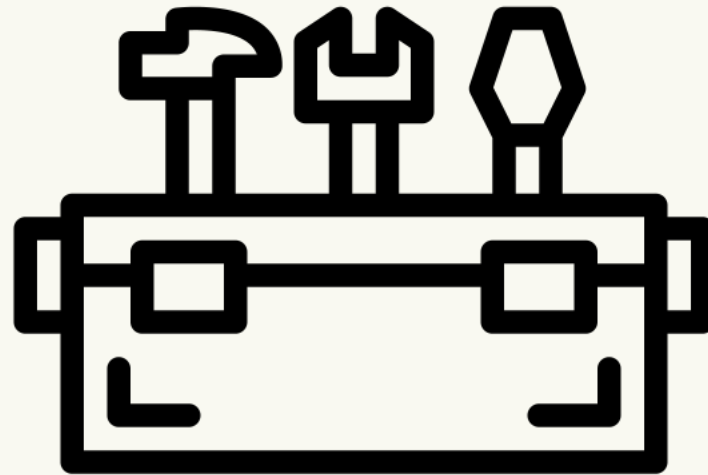
Should I move this here?

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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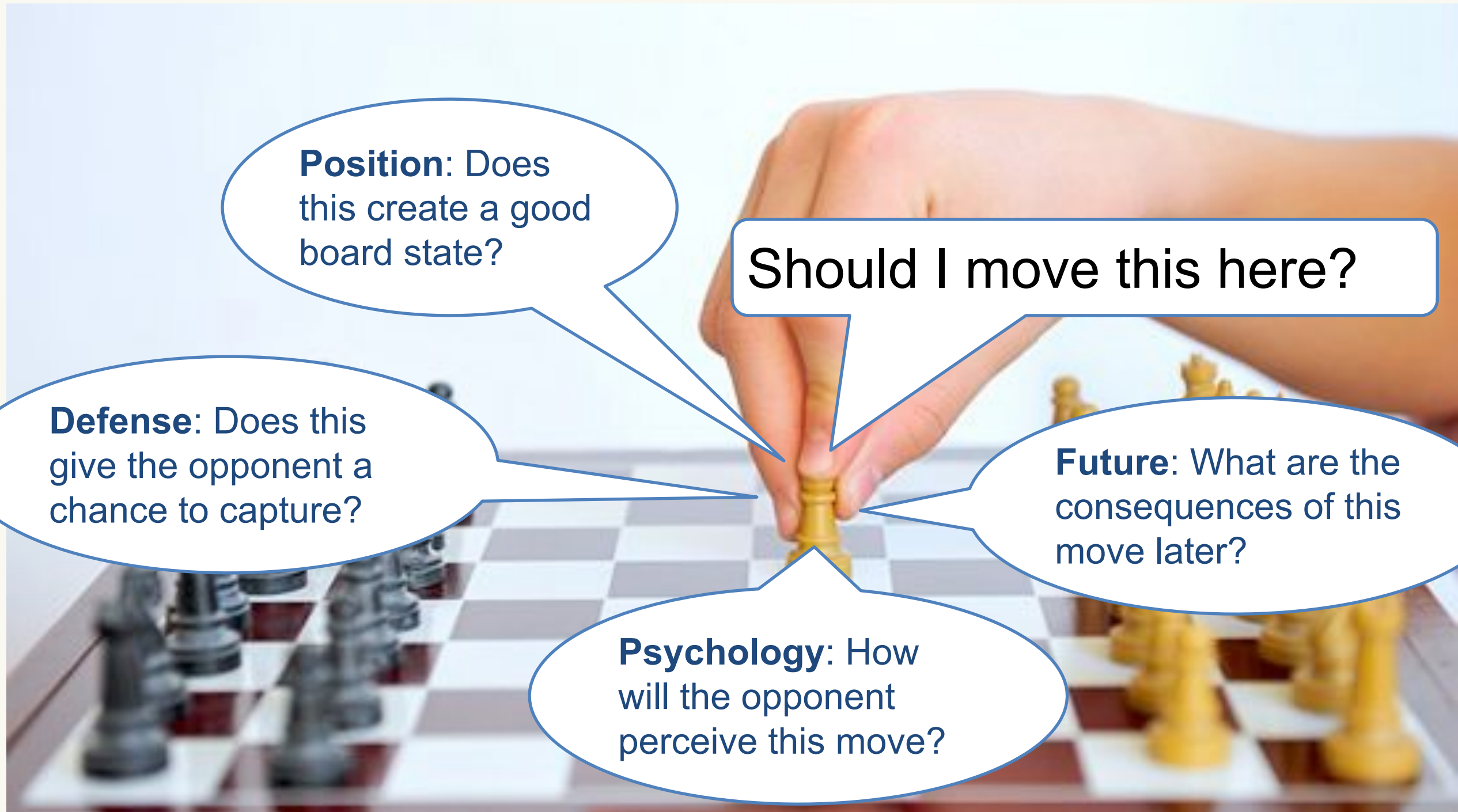
“a series of interesting choices”

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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“a series of interesting choices”

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Should I move this here?

Position: Does this create a good board state?

Defense: Does this give the opponent a chance to capture?

Future: What are the consequences of this move later?

Psychology: How will the opponent perceive this move?

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Position: Does this create a good board state?

Should I move this here?

Defense: Does this give the opponent a chance to capture?

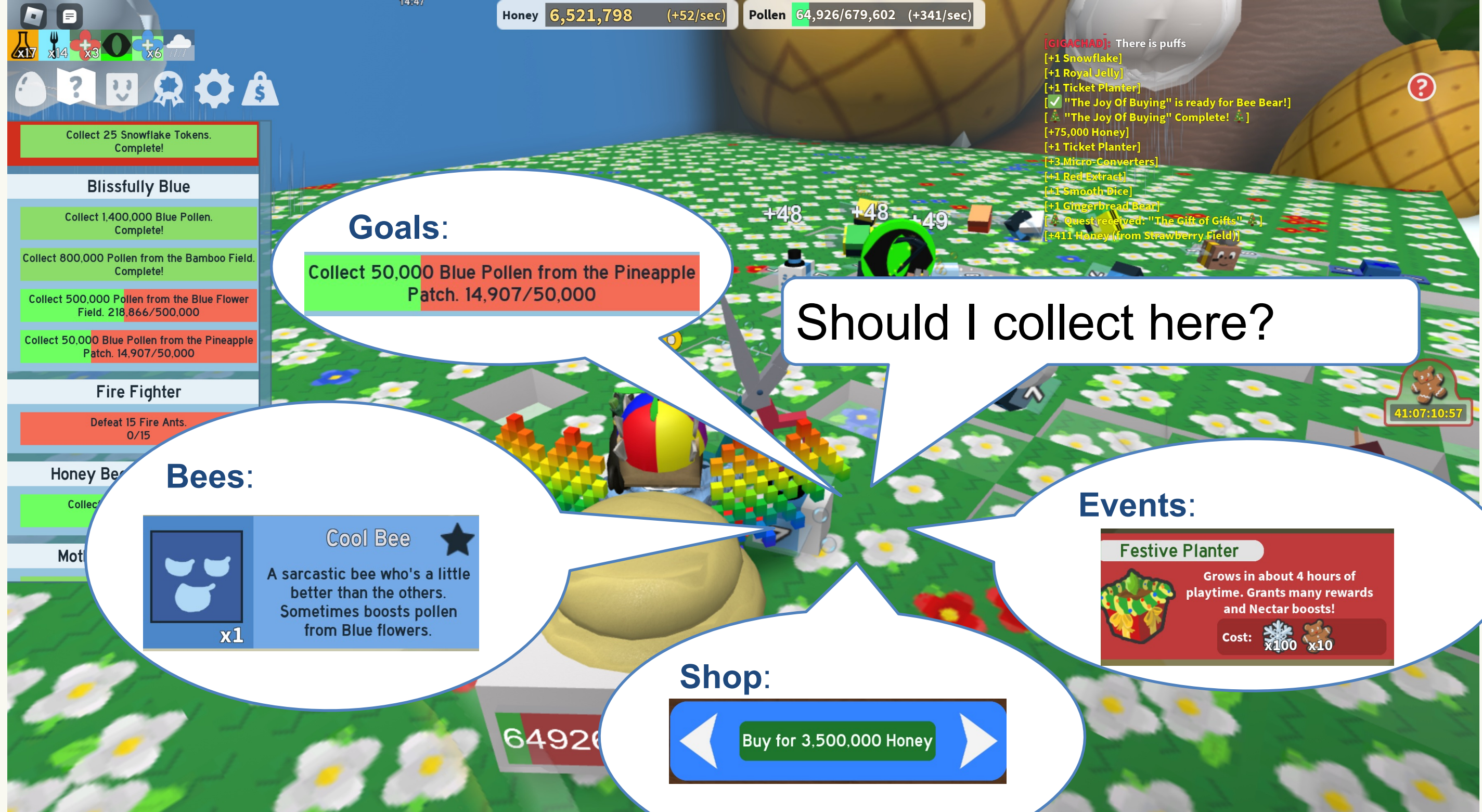
What expertise does this move demonstrate?

Which of the strategies (if any) is the player thinking?

Future: What are the consequences of this move later?

Will the opponent perceive this move?

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Goals:

Collect 50,000 Blue Pollen from the Pineapple Patch. 14,907/50,000

Bees:




x1

Cool Bee ★



A sarcastic bee who's a little better than the others. Sometimes boosts pollen from Blue flowers.

Events:




Festive Planter


Grows in about 4 hours of playtime. Grants many rewards and Nectar boosts!

Cost:  x100  x10

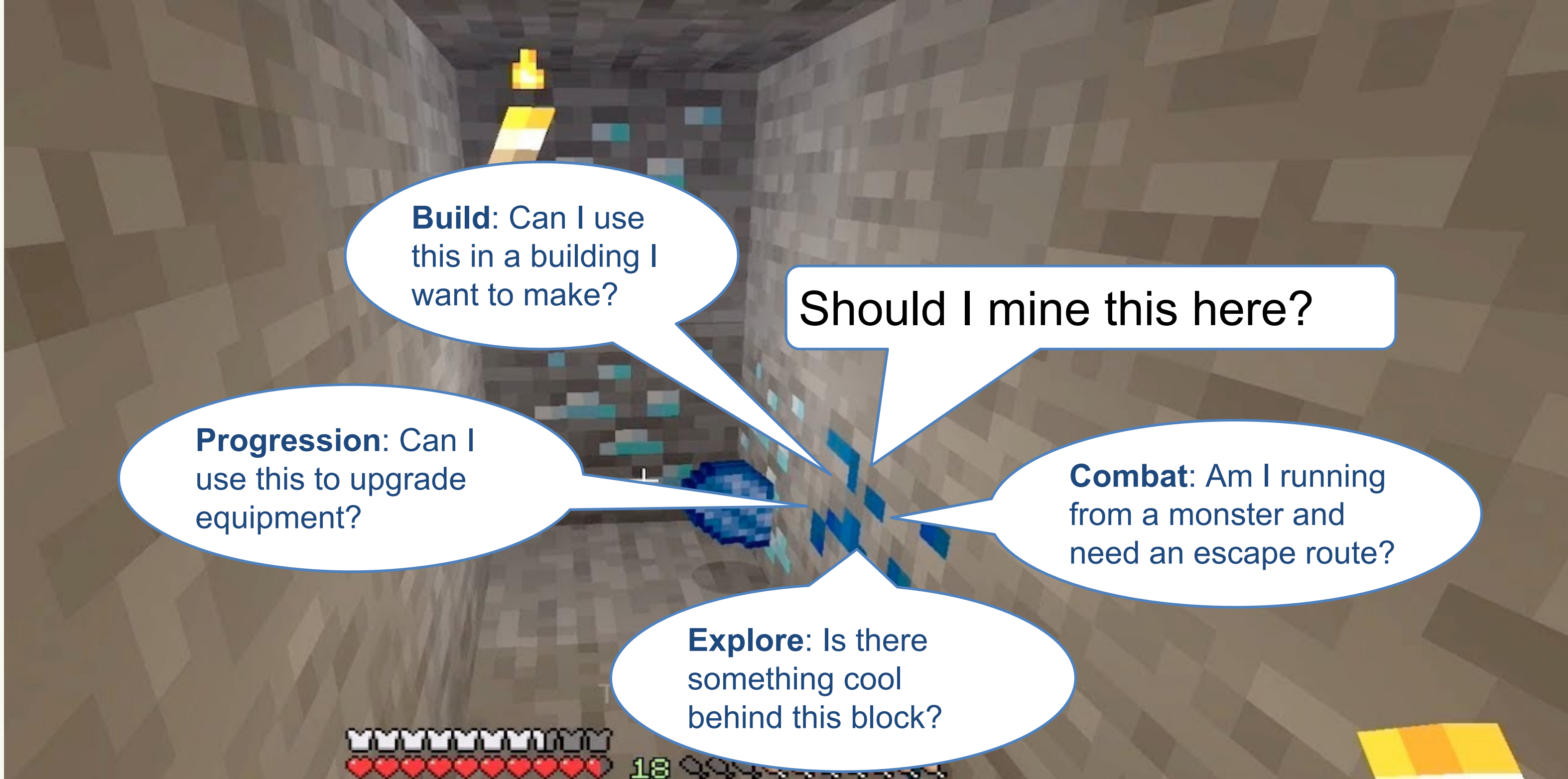
Shop:



Buy for 3,500,000 Honey



Request Needfind **Concept** Prototype Development Iteration QA Pilot Field Operational



Build: Can I use this in a building I want to make?

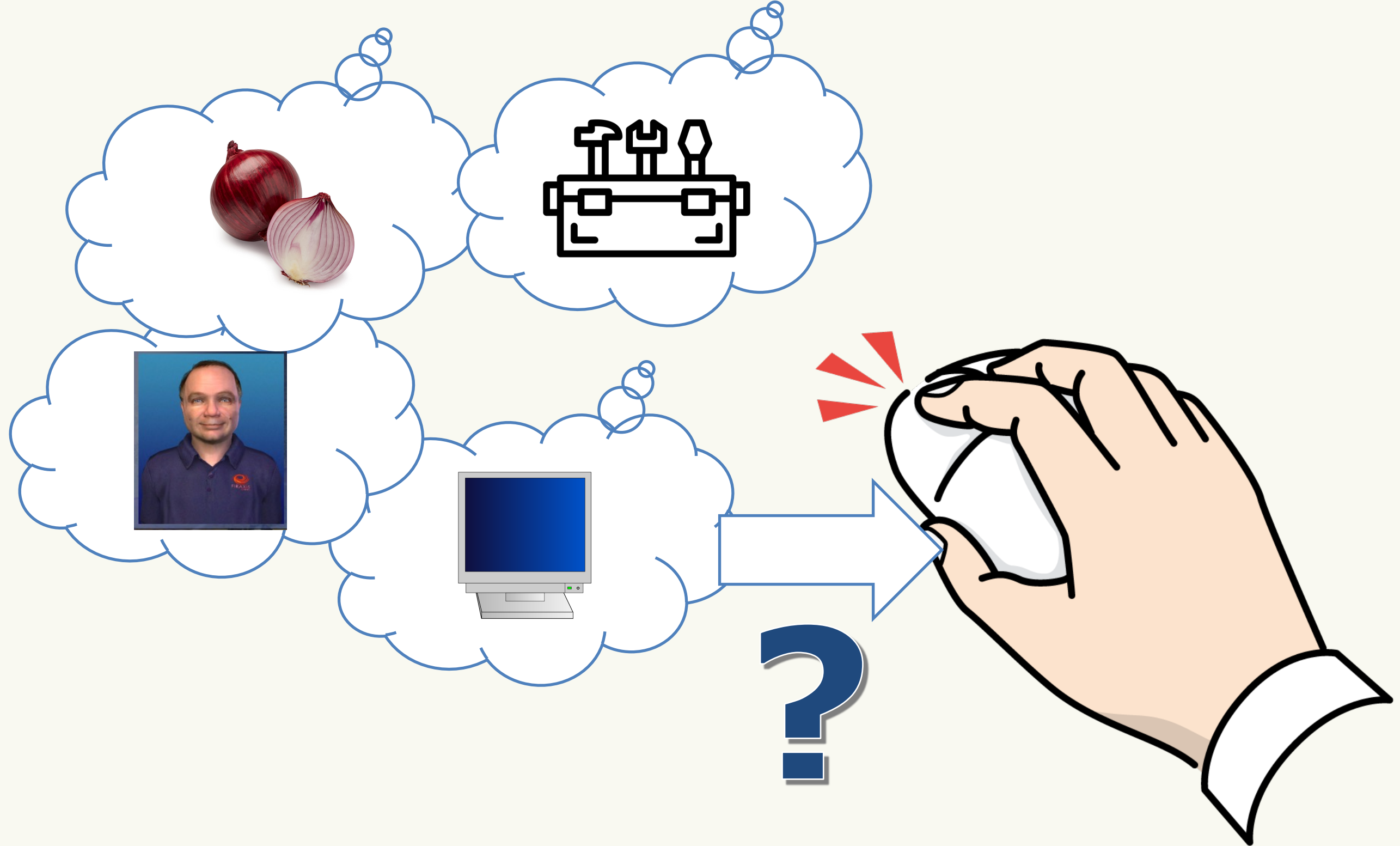
Should I mine this here?

Progression: Can I use this to upgrade equipment?

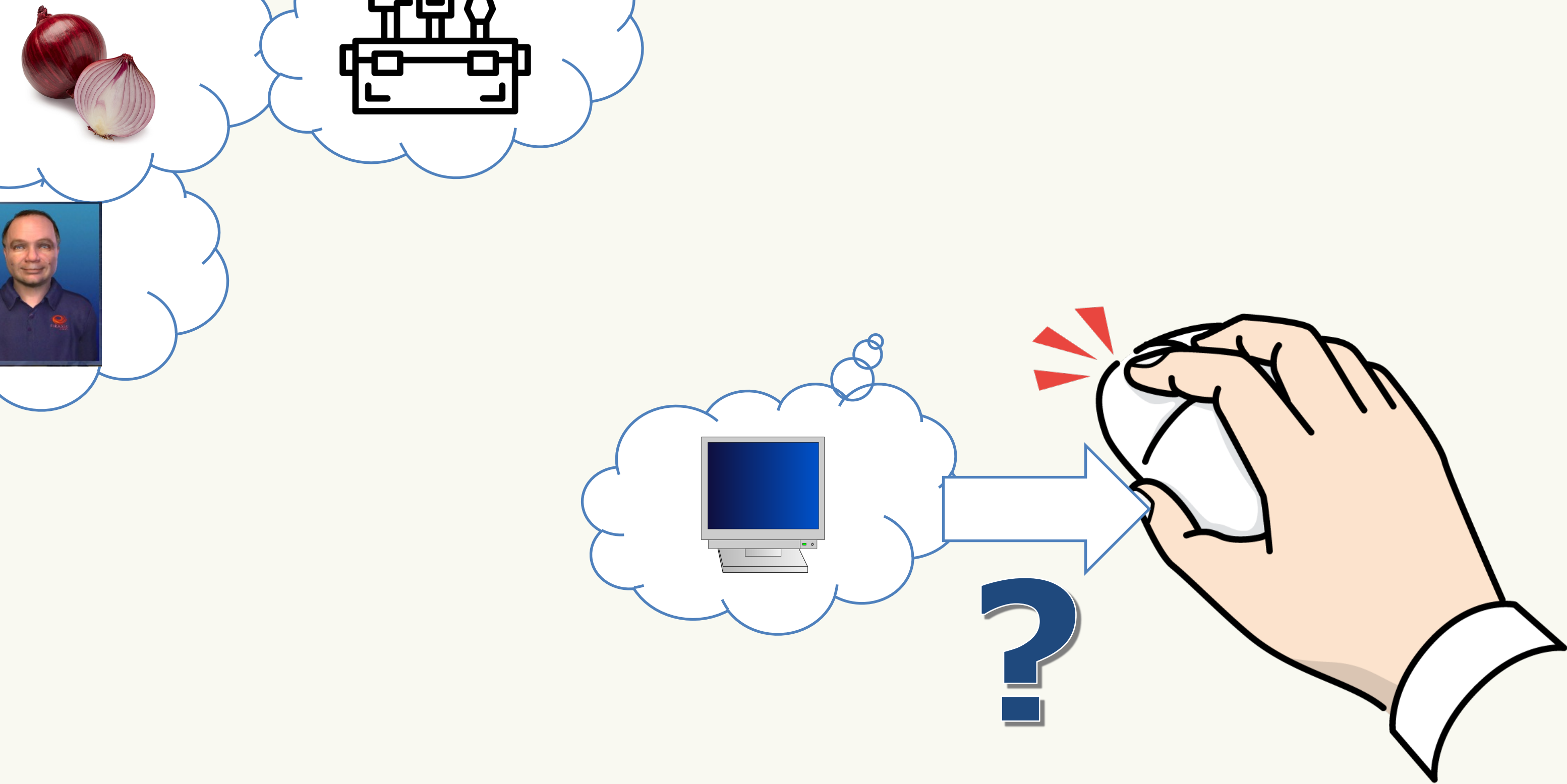
Combat: Am I running from a monster and need an escape route?

Explore: Is there something cool behind this block?

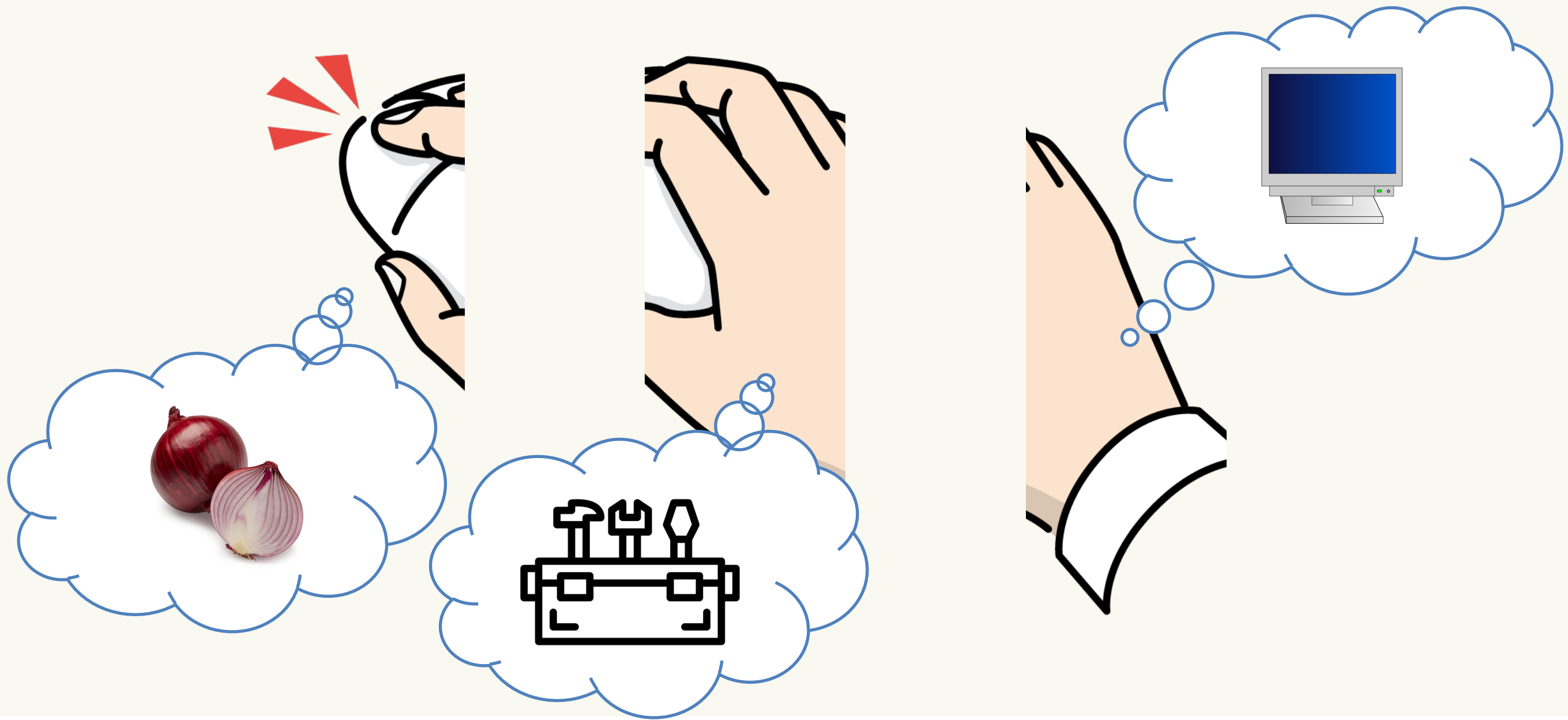
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request

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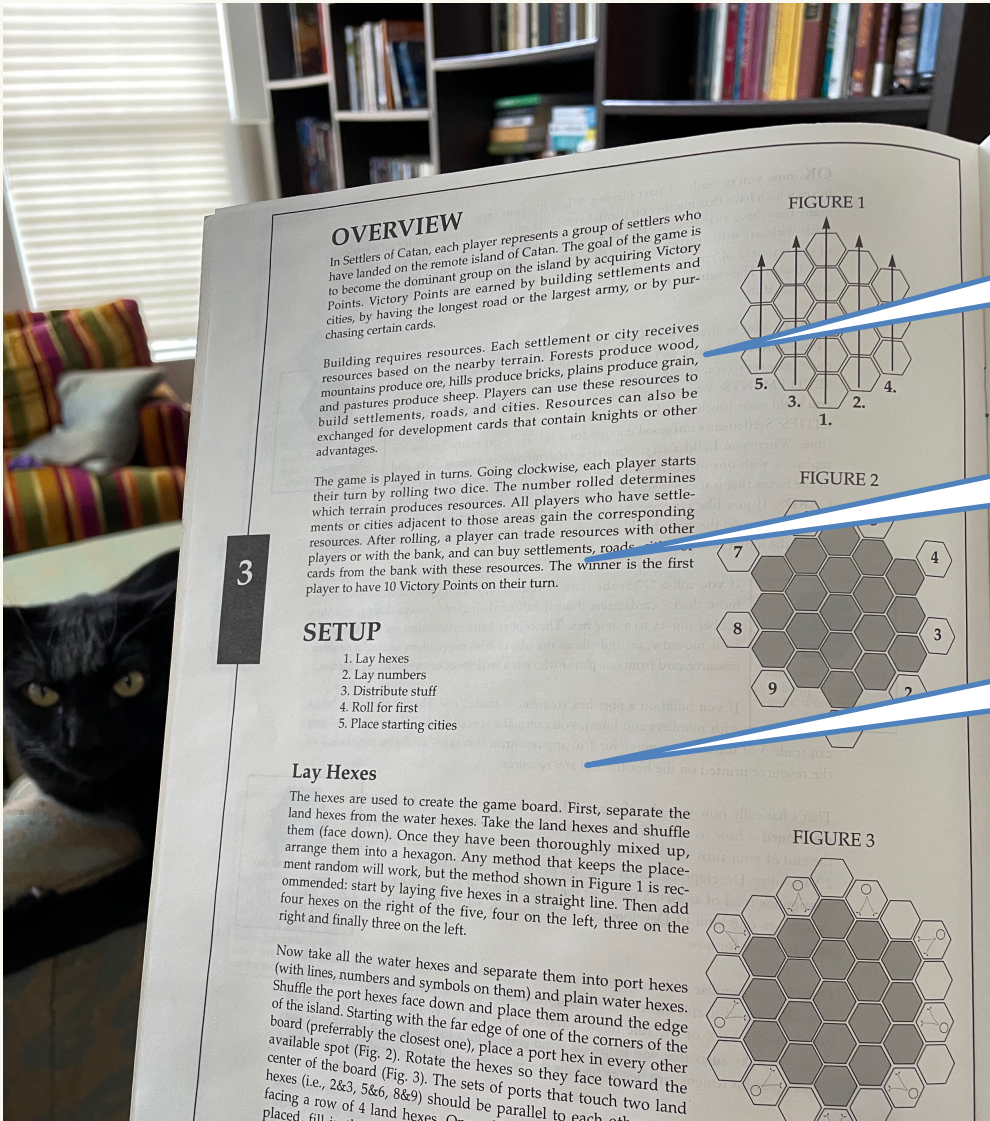
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Dissecting Game Actions



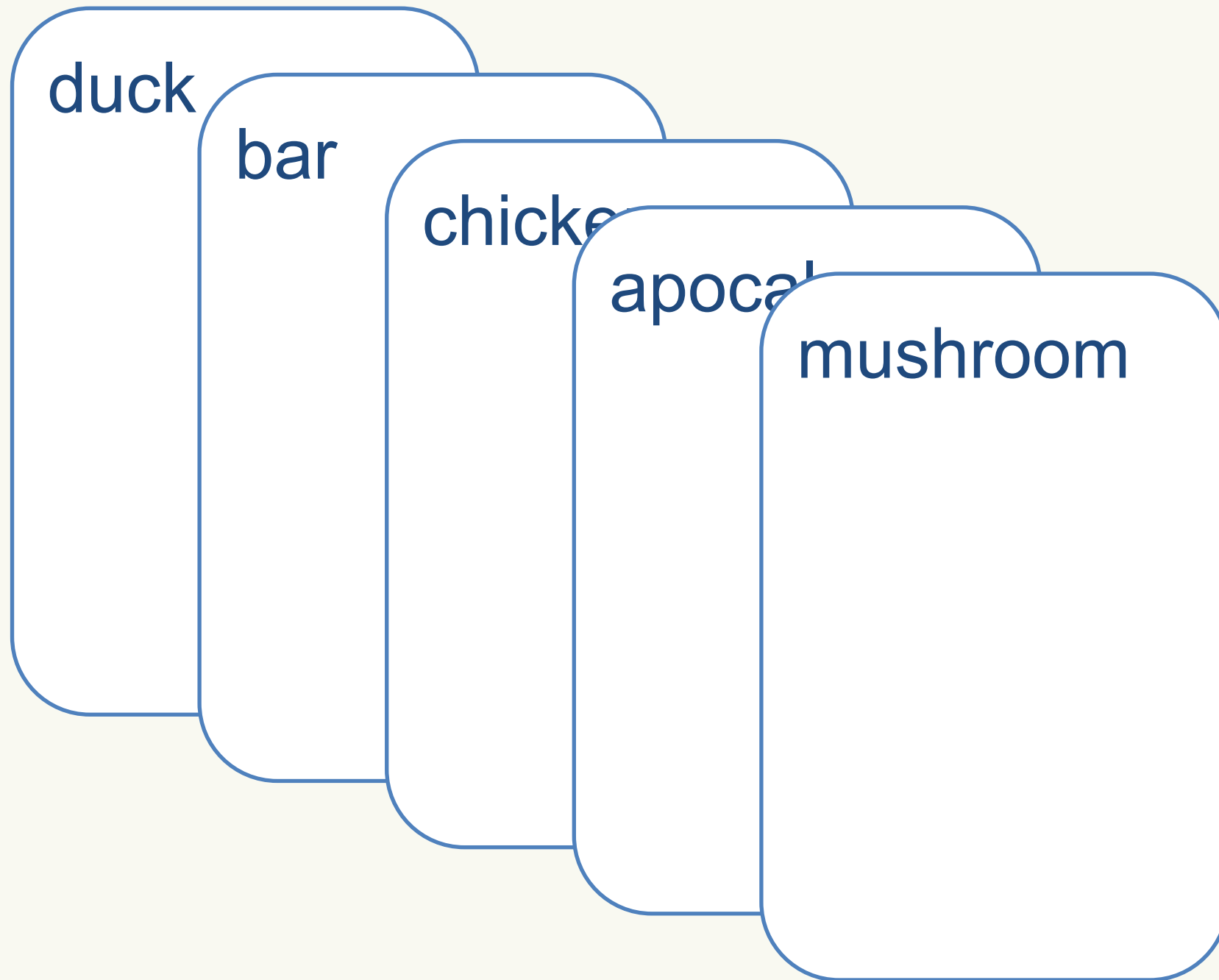
Insert

Make This Two Steps

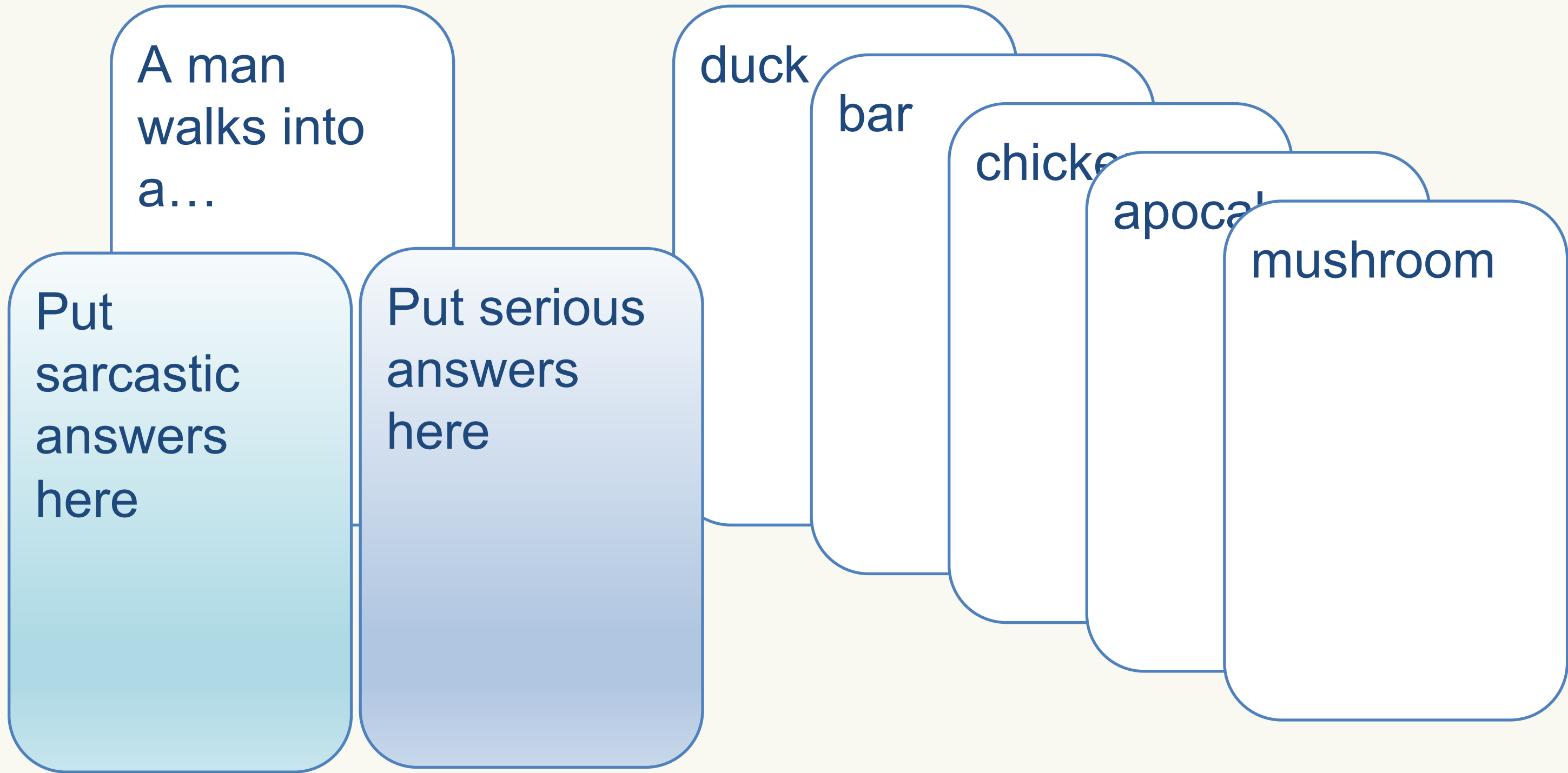
Make This a Choice

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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A man
walks into
a...



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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A man
walks into
a...

duck

bar

chicken

apocalypse

mushroom

Now that you played “duck”, tell us how you feel about that card:

sarcastic



thunderous

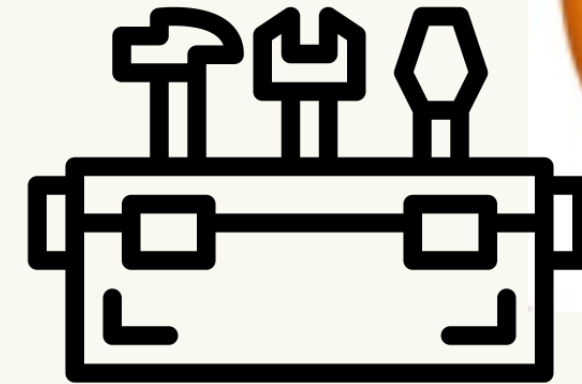
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Dissecting Game Actions

Scores > **UI/UX**

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Dissecting Game Actions



Scores

>

UI/UX

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Build: This resource is only used for building, so mining this is a strong signal for building.

Should I mine this here?

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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A screenshot from the game Minecraft showing a first-person view of a cave. The player is looking at a wall made of stone and a line of blue blocks (likely lapis lazuli). A torch is mounted on the wall. The player's health, hunger, and experience bars are visible at the bottom. A large white speech bubble with a blue border is overlaid on the left side of the screen, and a smaller white speech bubble with a blue border is on the right side.

Build: This resource is only used for building,

AND we adjust the spawn logic so it only appears off main paths,

so mining this is a strong signal for building.

Should I mine this here?

Request

Needfind

Concept

Prototype

Development

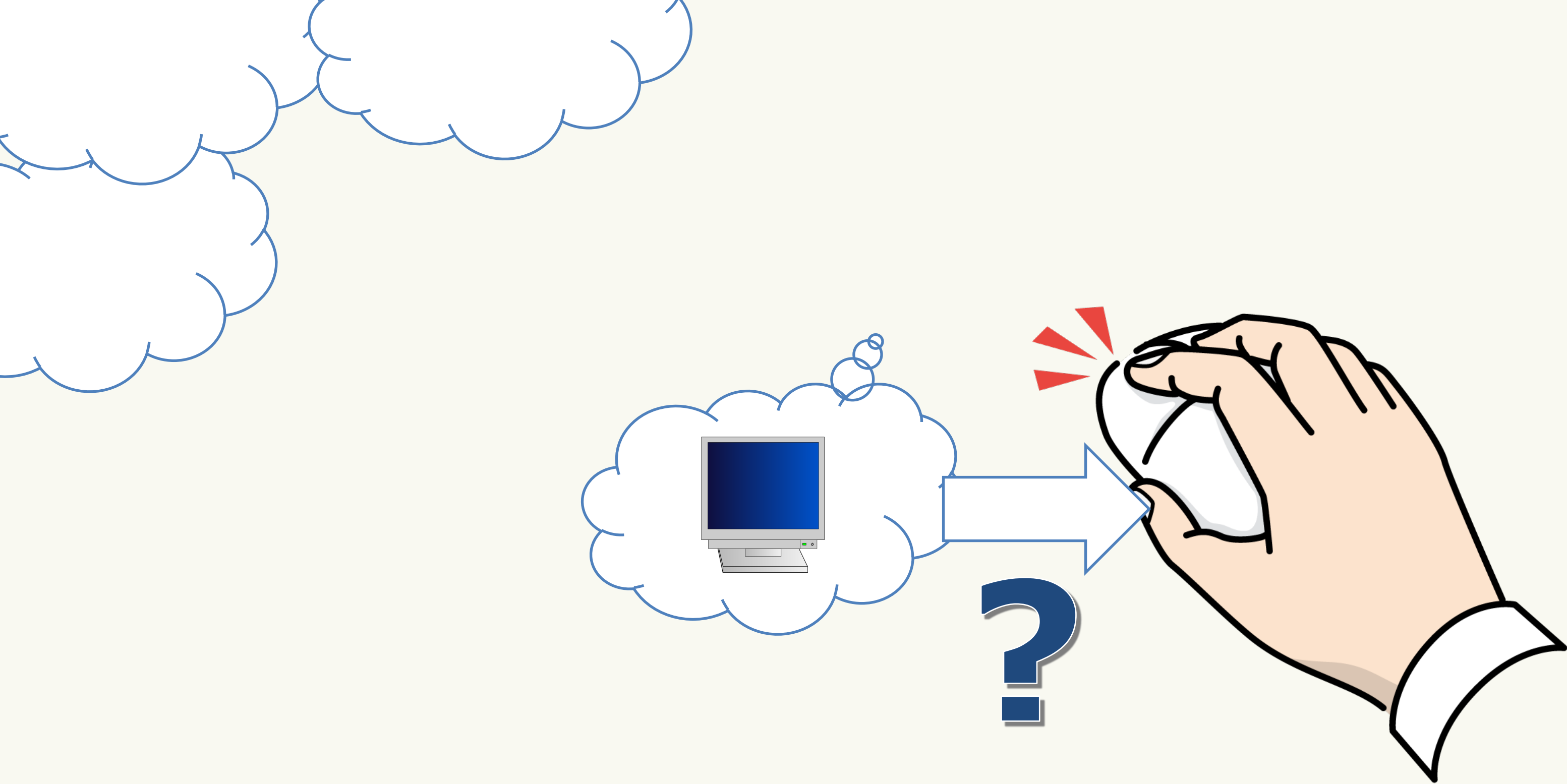
Iteration

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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Humor Assessment Ideas

1. Hot or Not
2. Resource Based Build-a-Joke
3. Standup Conversation Engine
4. Card Joke Builder
5. Paper Doll
6. Standup Heckler Sim
7. Joke Factory
8. Etc...

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Red Flags

1. Scoring



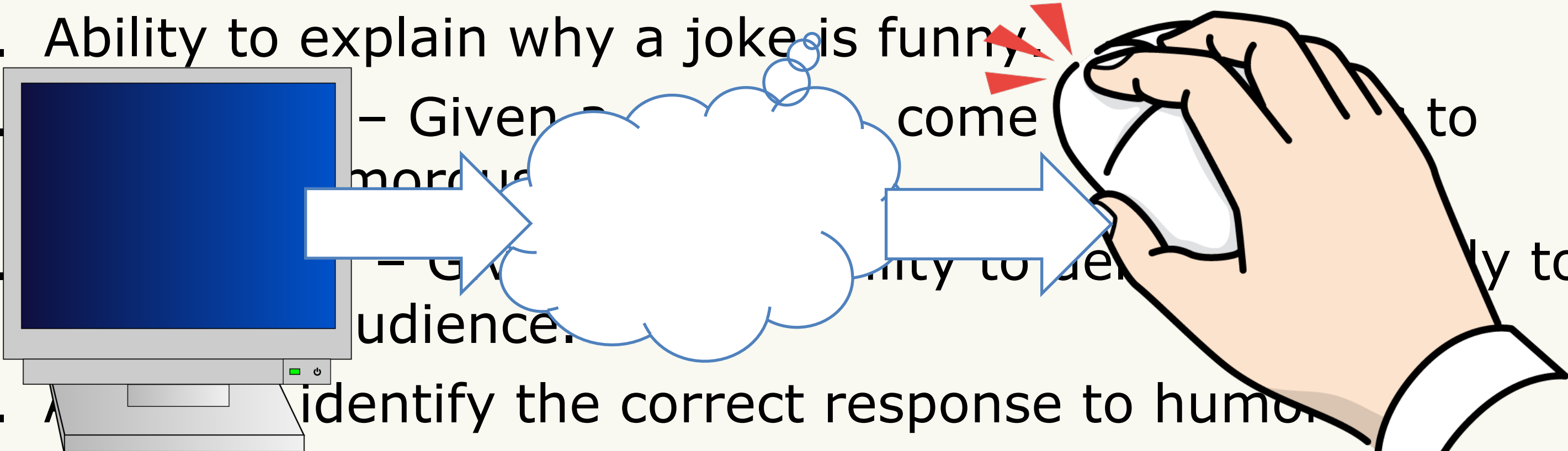
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Evidence Statements

1. Evaluation – Is this joke actually funny?
2. Ability to explain why a joke is funny.
3. Generation – Given a situation, come up with ways to frame it humorously.
4. Joke Telling – Given a joke, ability to deliver it verbally to amuse an audience.
5. Ability to identify the correct response to humor.

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Evidence Statements

1. Evaluation – Is this joke actually funny?
 2. Ability to explain why a joke is funny
 3. – Given – come to
 4. – Given – ability to deliver to
 5. identify the correct response to humor
- 

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Humor Assessment Ideas

1. ~~Hot or Not~~

2. ~~Resource Based Build a Joke~~

3. Standup Conversation Engine

4. Card Joke Builder

5. ~~Paper Doll~~

6. Standup Heckler Sim

7. Joke Factory

8. ~~Etc...~~

Request

Needfind

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Red Flags

1. Scoring
2. Fun
3. Accessibility
4. Robloxiness
5. Face Validity
6. Dev Cost
7. Bias
8. Variations



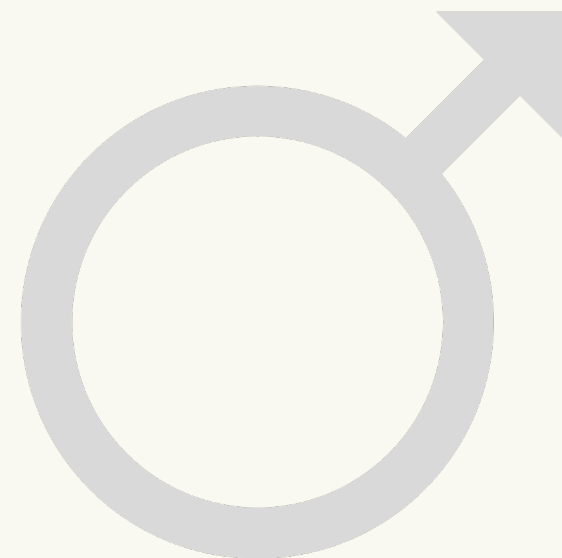
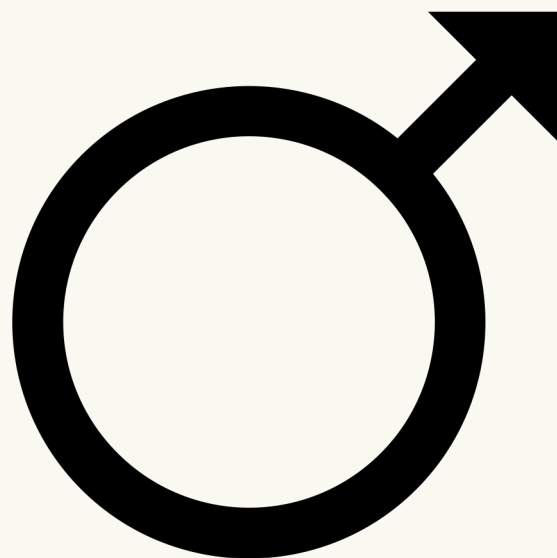
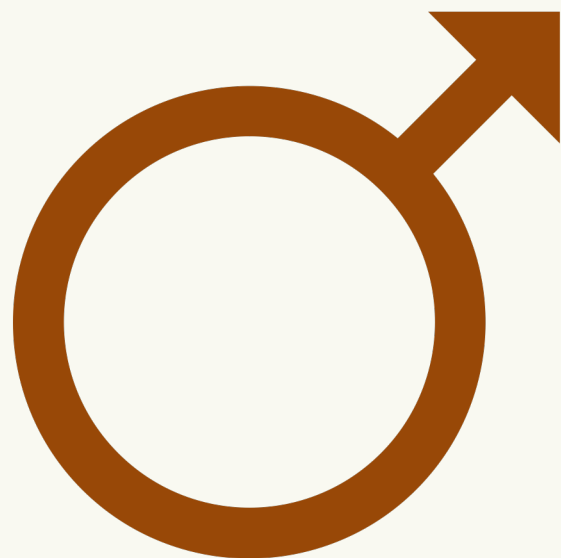
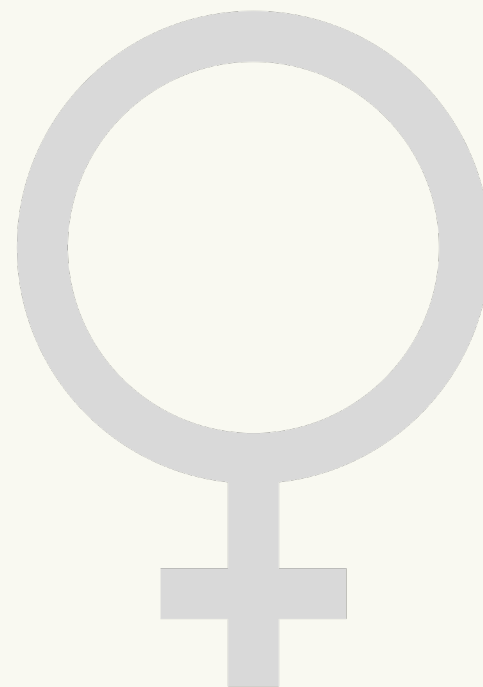
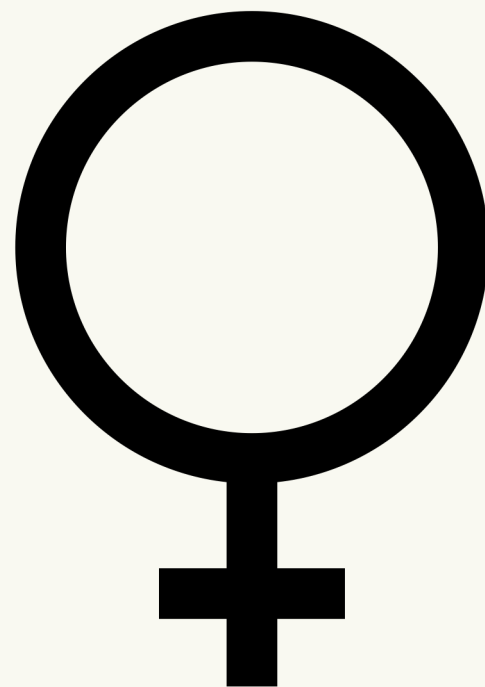
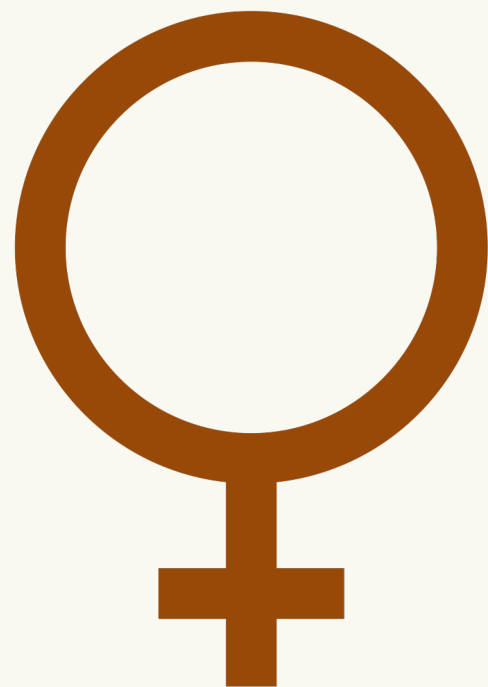
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Red Flags

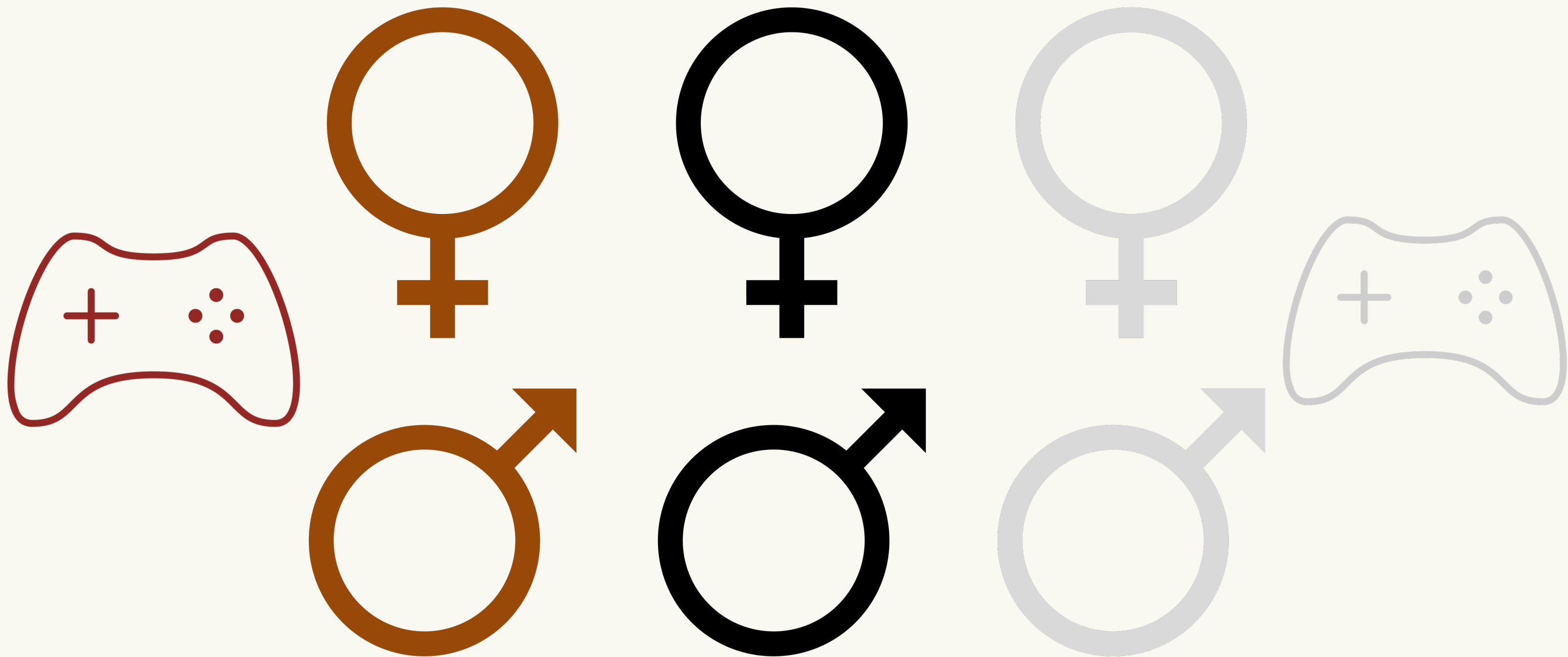
1. Scoring
2. Fun
3. Accessibility
4. Robloxiness
5. Face Validity
6. Dev Cost
- 7. Bias**
8. Variations



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Request

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Doors
LSPLASH
Roblox, 2021

Request

Needfind

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Development

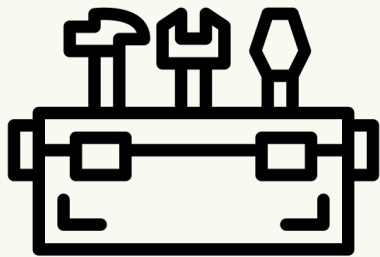
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Request

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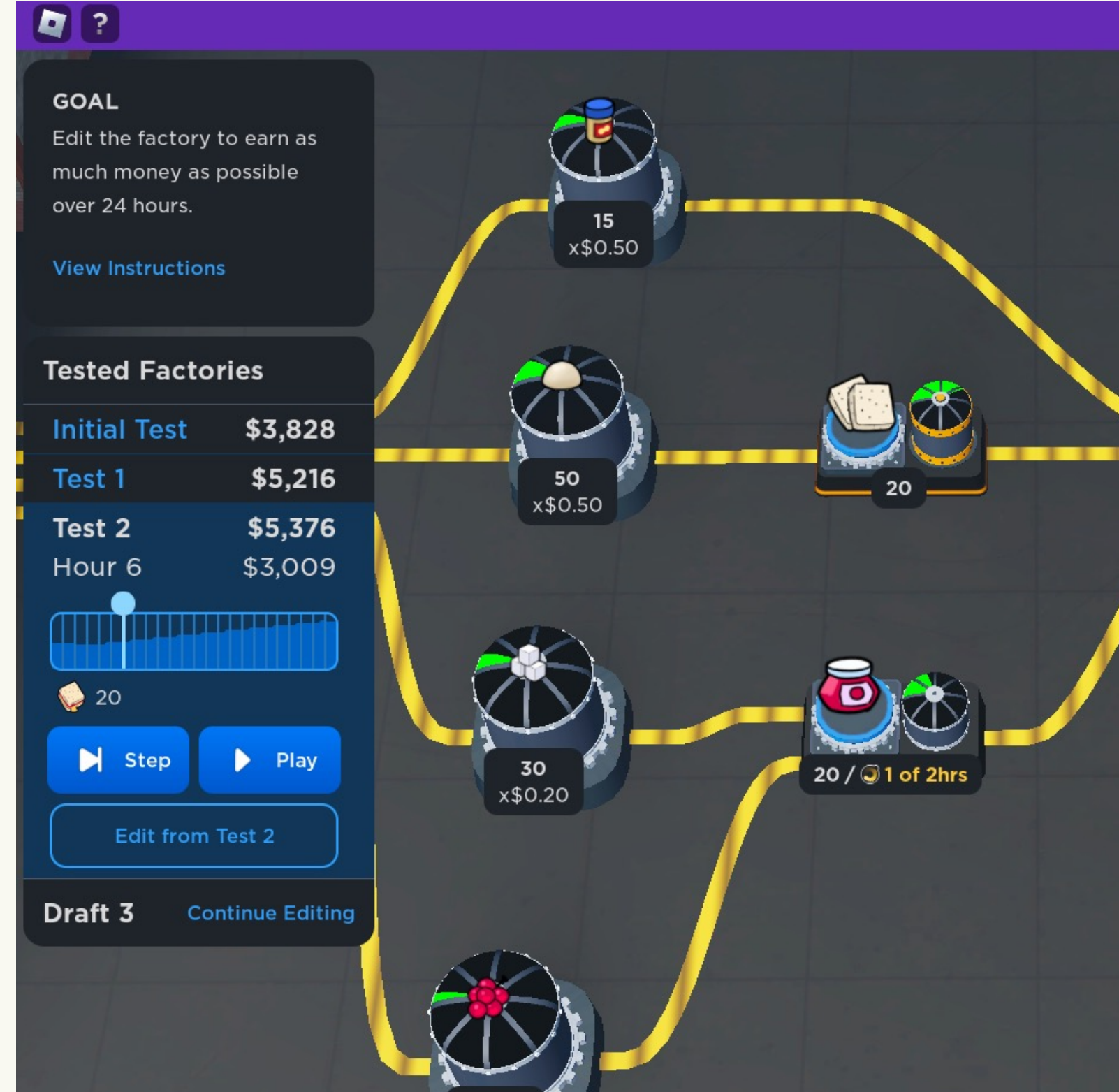
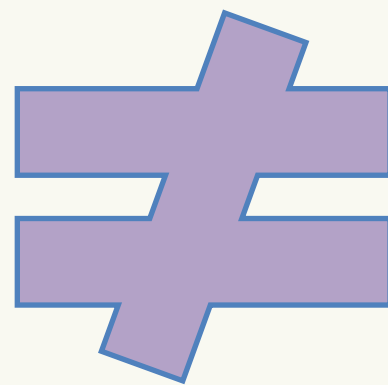
Iteration

QA

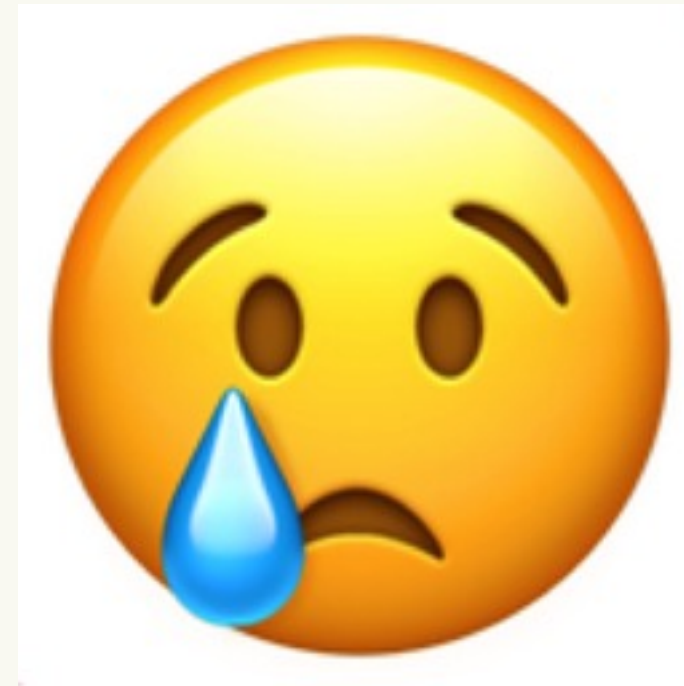
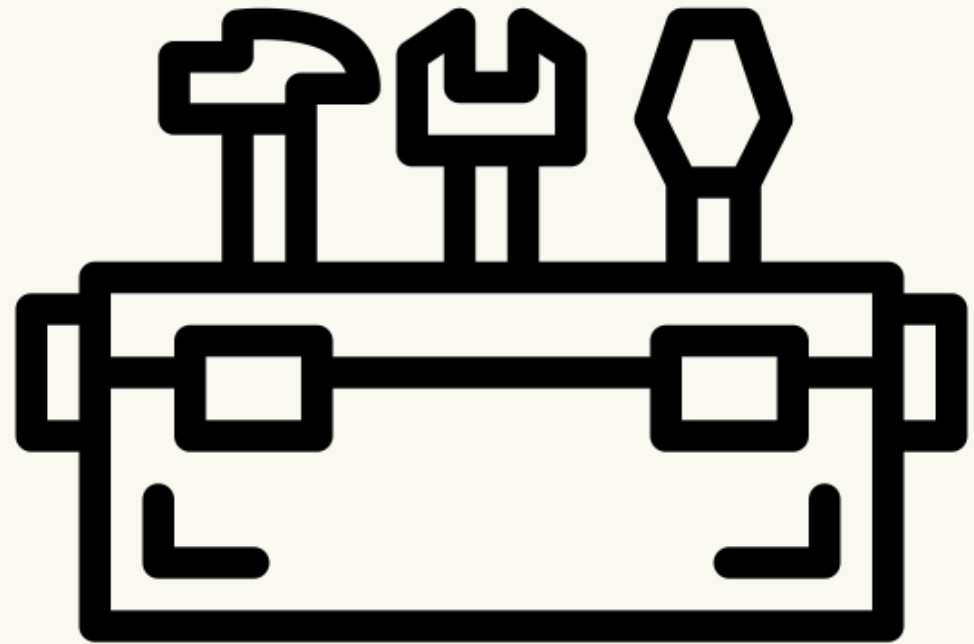
Pilot

Field

Operational



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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Red Flags

1. Scoring
2. Fun
3. Bias
4. Accessibility
5. Robloxiness
6. Face Validity
7. Dev Cost
8. **Variations**



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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- 1. Intro
- 2. Fundamentals
- 3. How it works
- 4. Format
- 5. Skills tested
- 6. How to prepare
- 7. A guide to the McKinsey Problem Solving Game

WHAT DOES THE MCKINSEY GAME ACTUALLY LOOK LIKE?

Specifically, candidates are required to undertake conservation-themed tasks in either alpine or aquatic ecosystems. You will be dealing with plants, eagles, turtles, fish, and coral reefs.

McKinsey and Imbellus have published some screenshots and video clips on their websites - you can see a few interspersed throughout this article. Notably, McKinsey have also published a video where they discuss the test and show some images of it.



Request Needfind Concept Prototype Development Iteration QA Pilot Field Operational



The answer to #7 is
"tuna fish".

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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If you don't know the answer, guess "B" and it's more likely to be correct.

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Learn systems
thinking.

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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2023

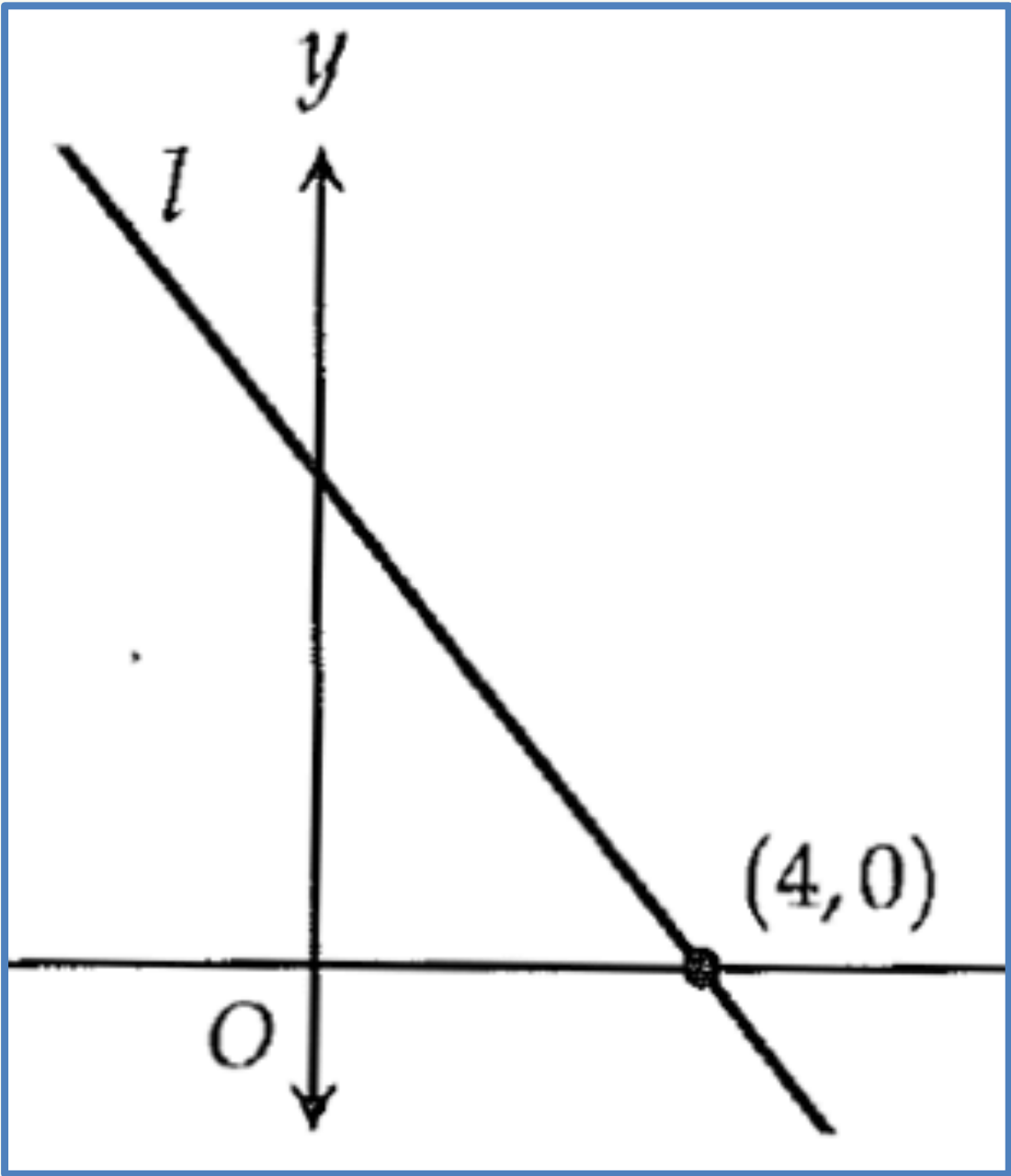
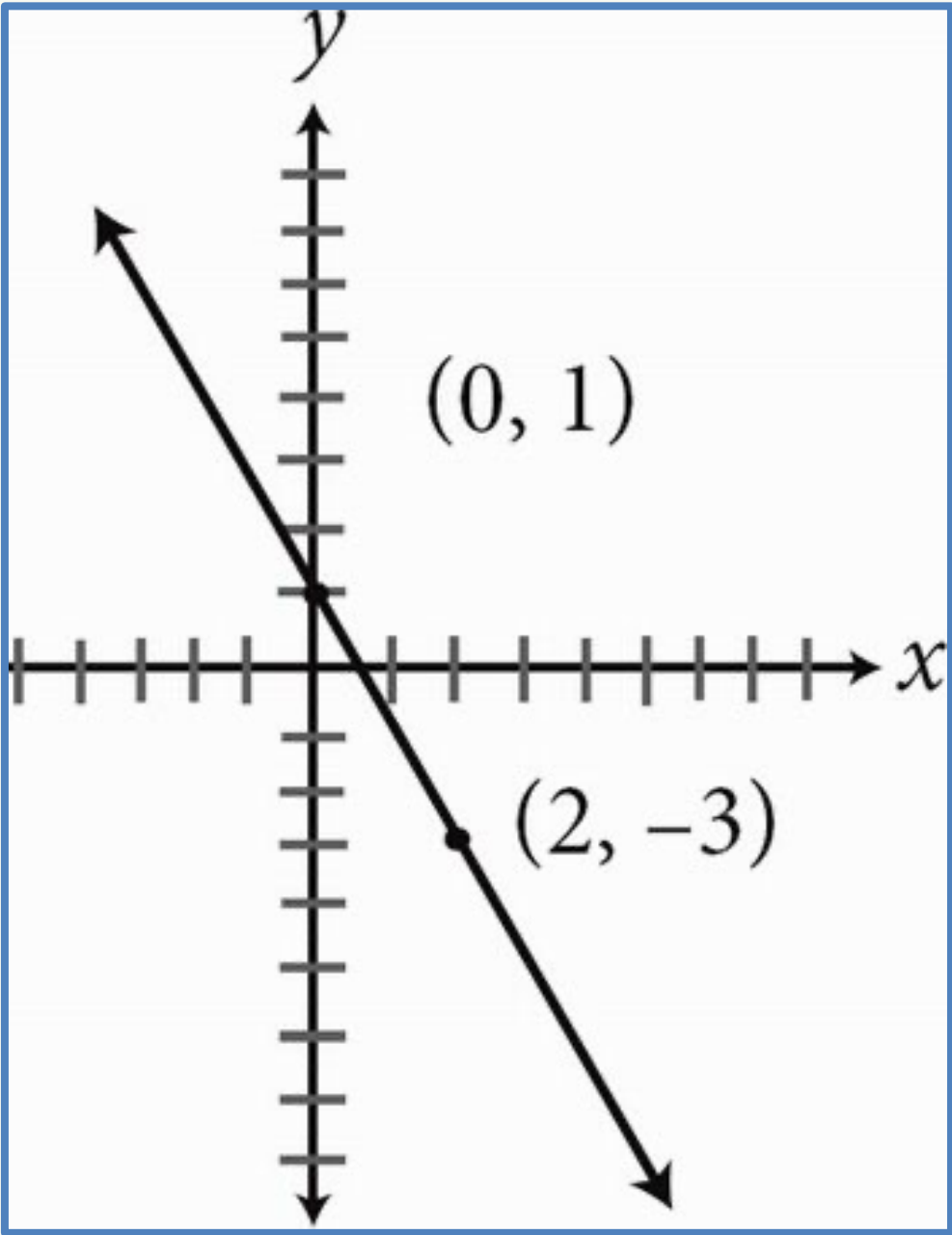
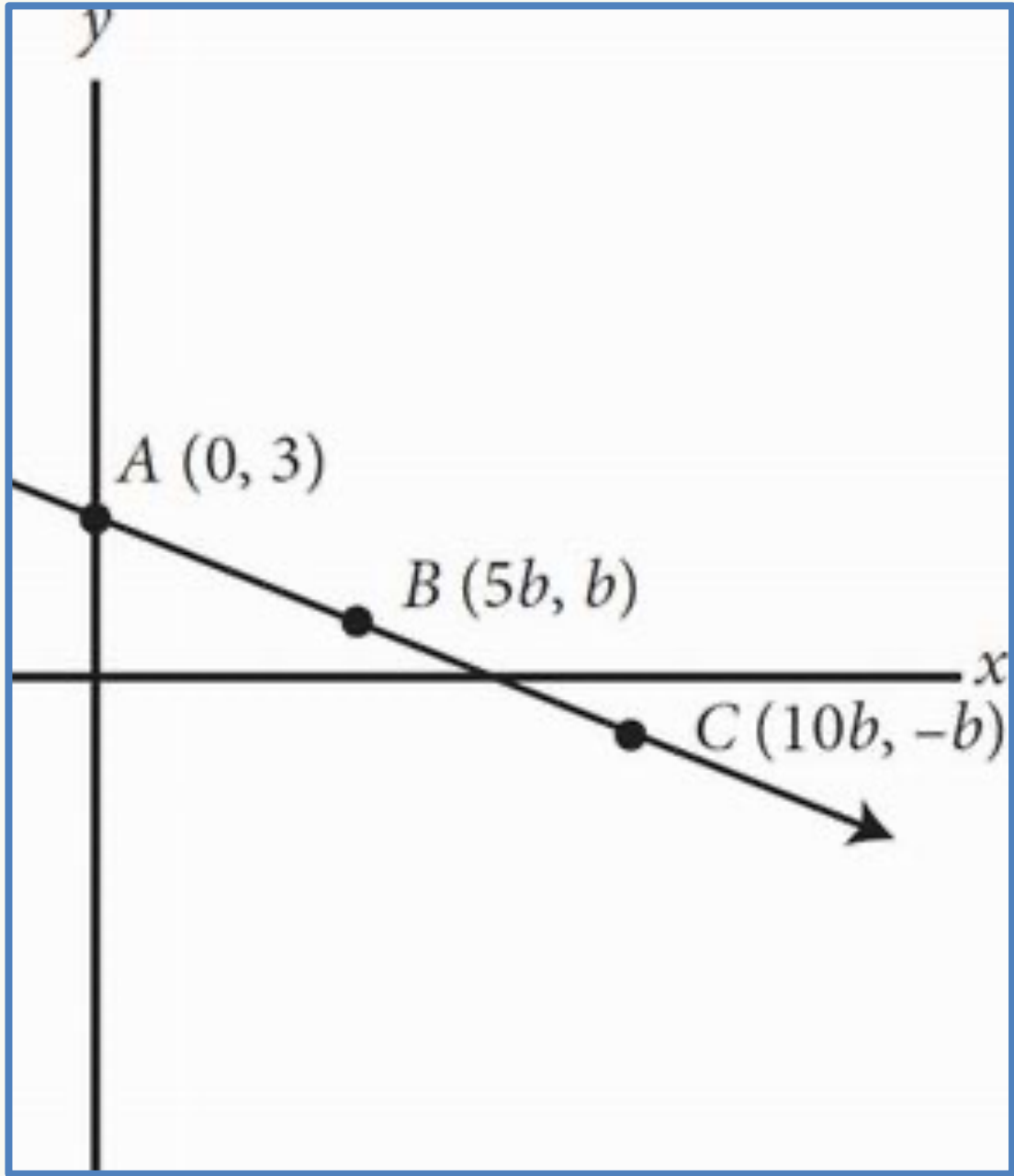
Our 80 years' expertise = Your competitive advantage

5 PRACTICE TESTS + PROVEN STRATEGIES + ONLINE + VIDEO

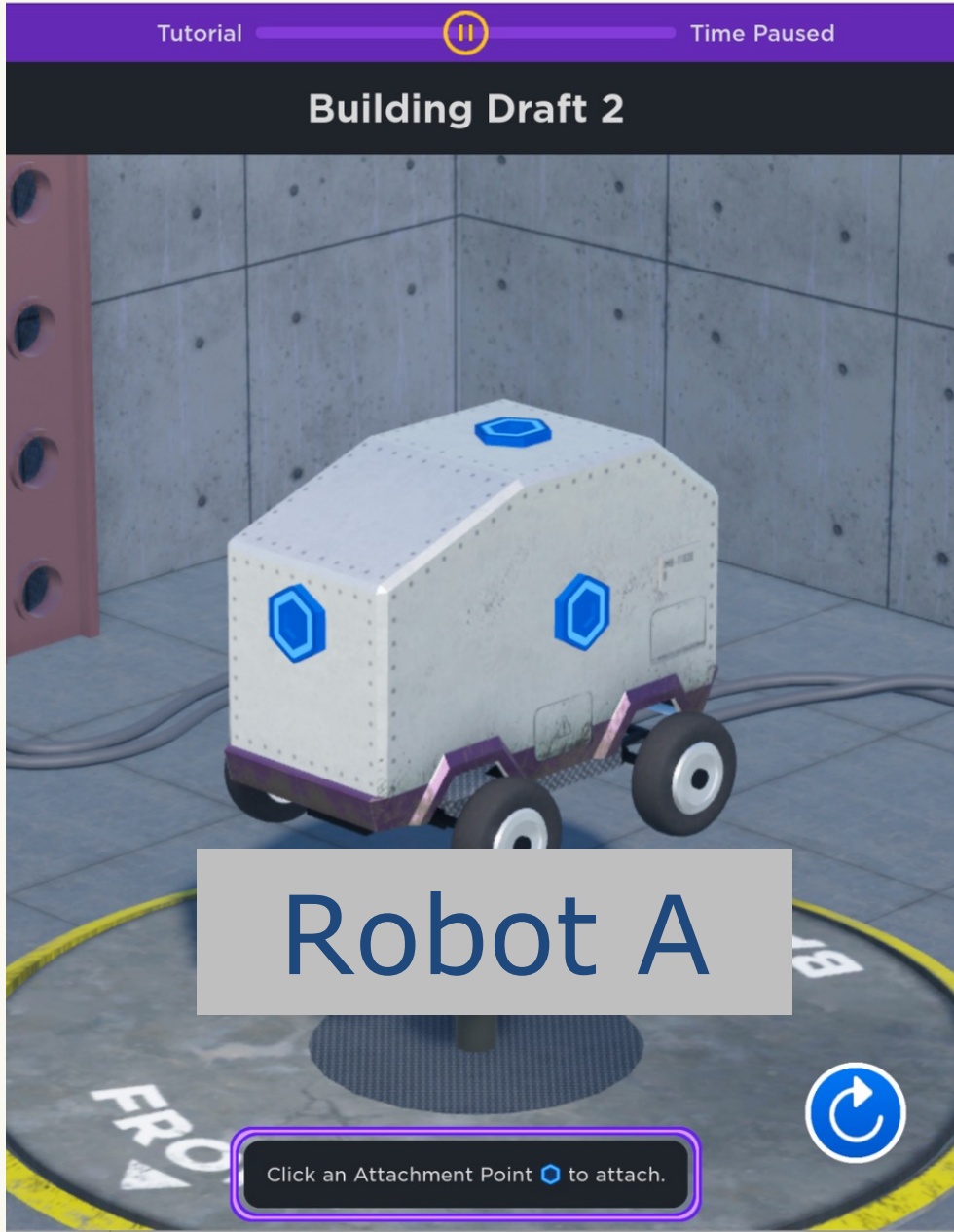
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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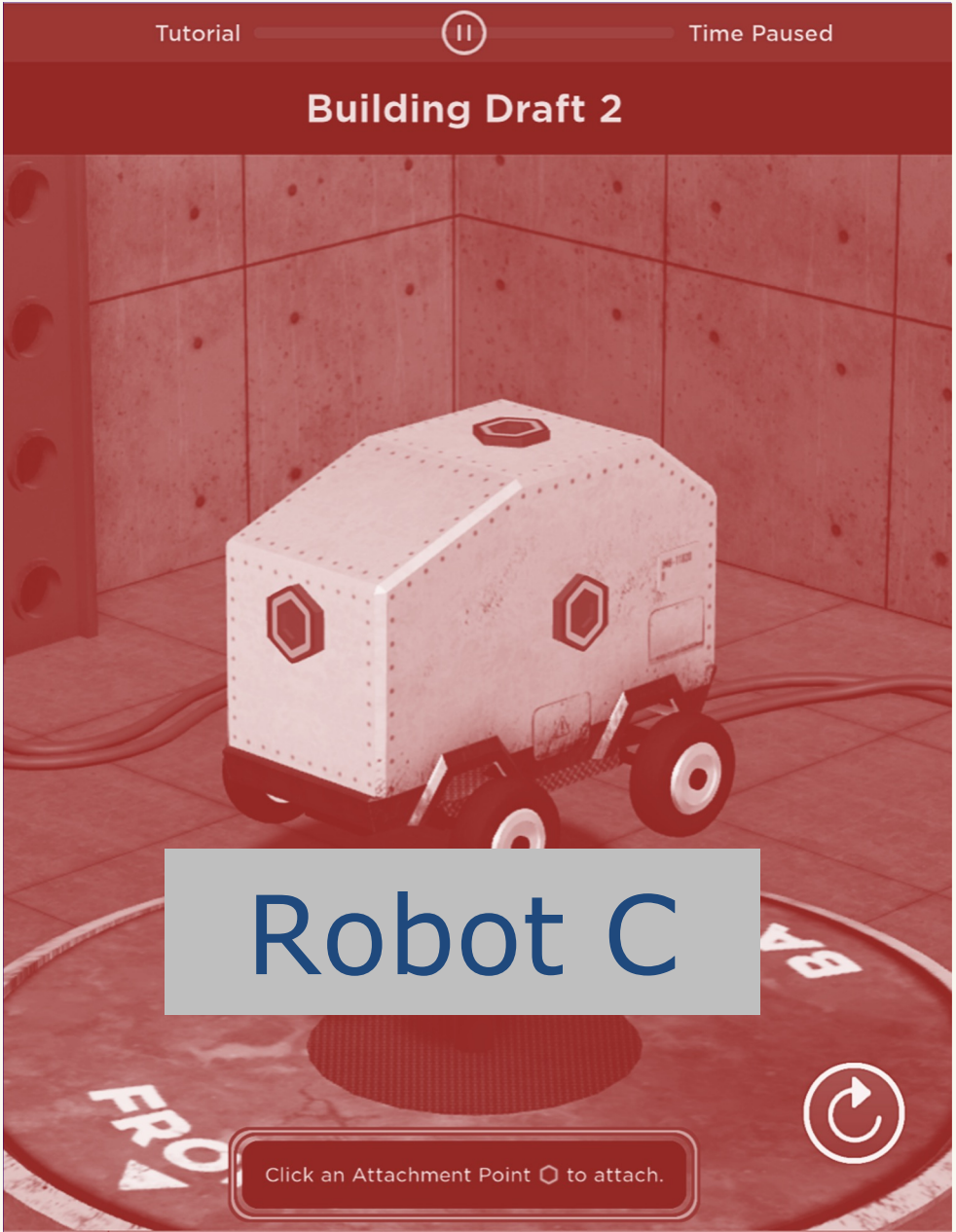
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Robot A



Robot B



Robot C

Request

Needfind

Concept

Prototype

Development

Iteration

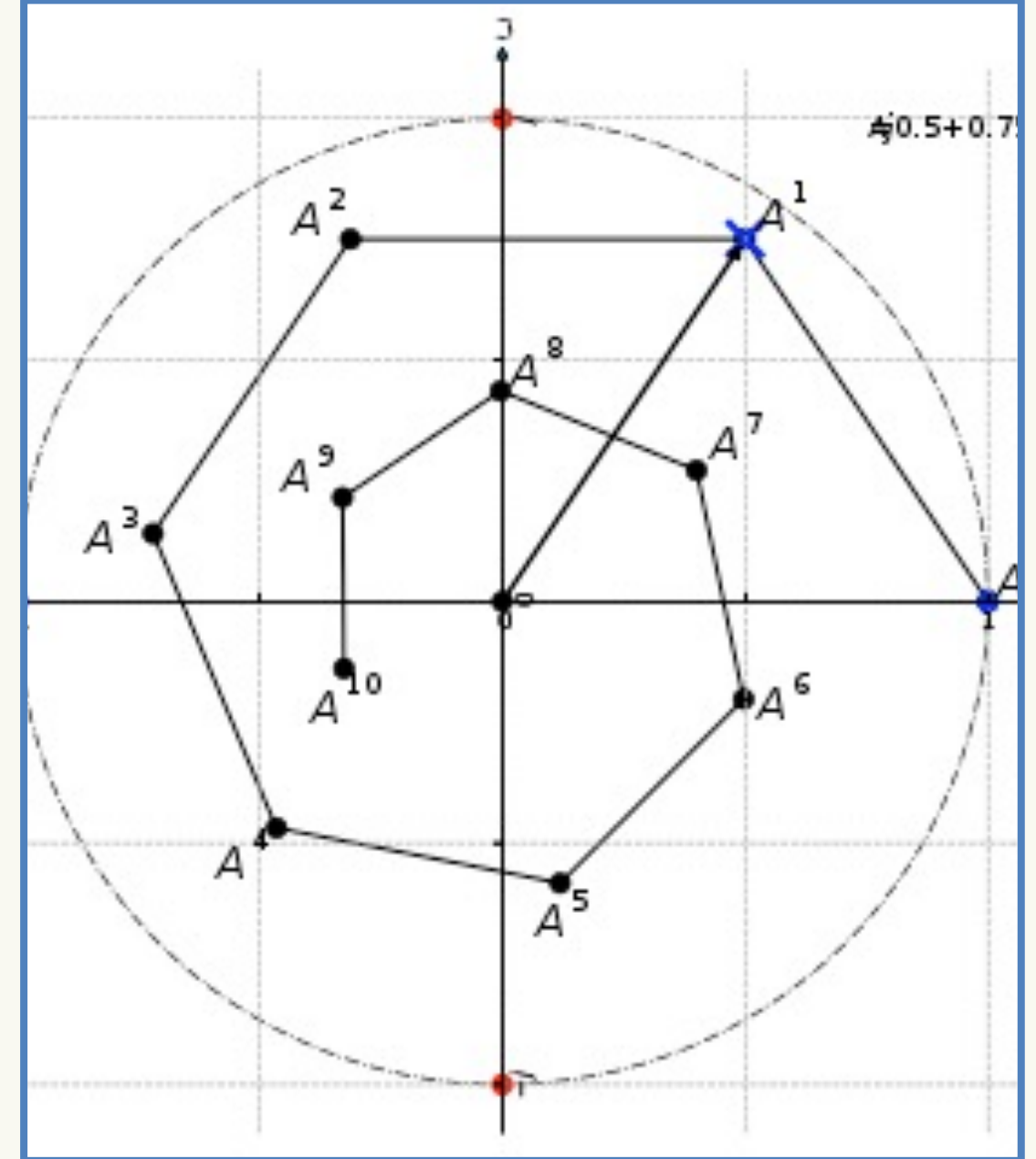
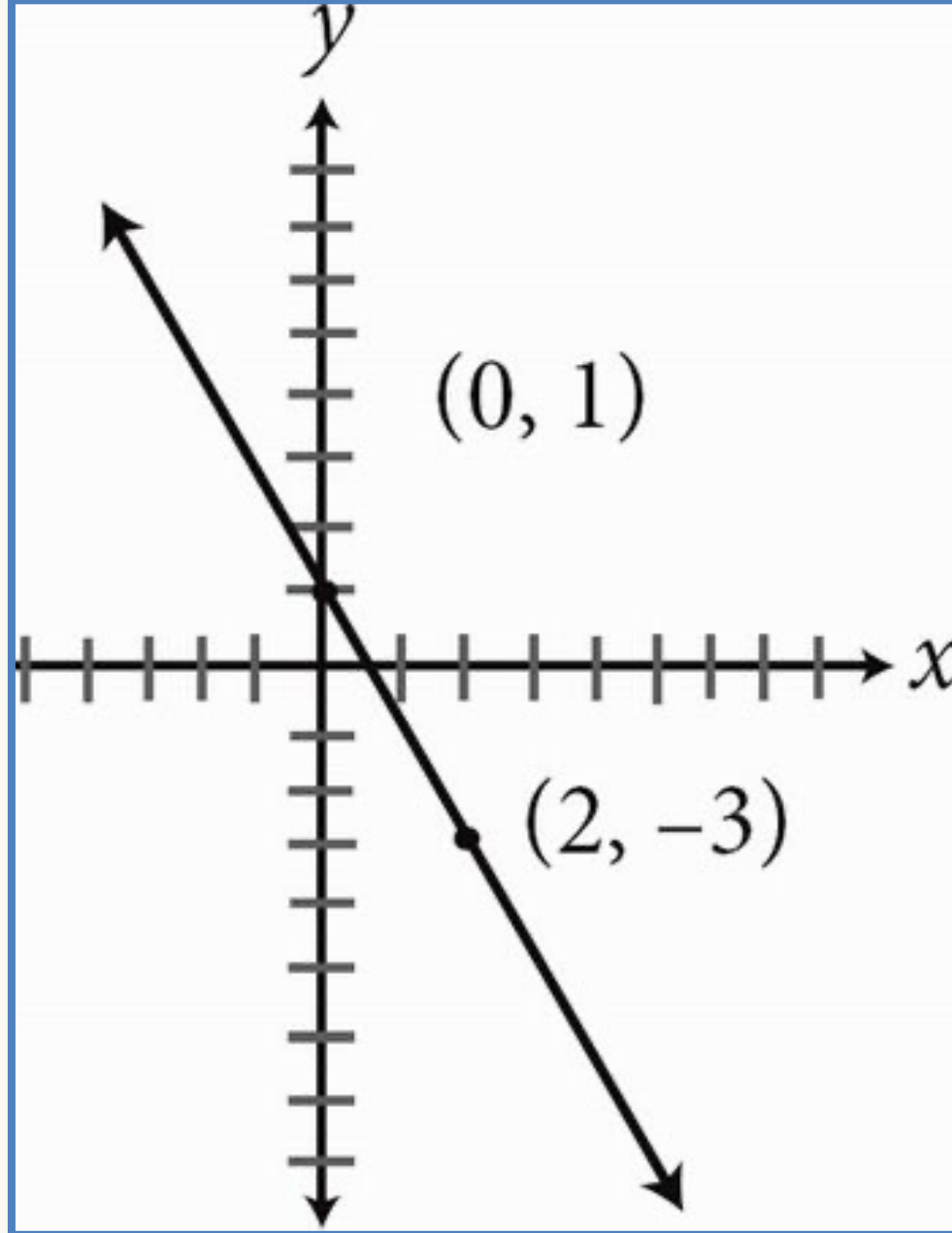
QA

Pilot

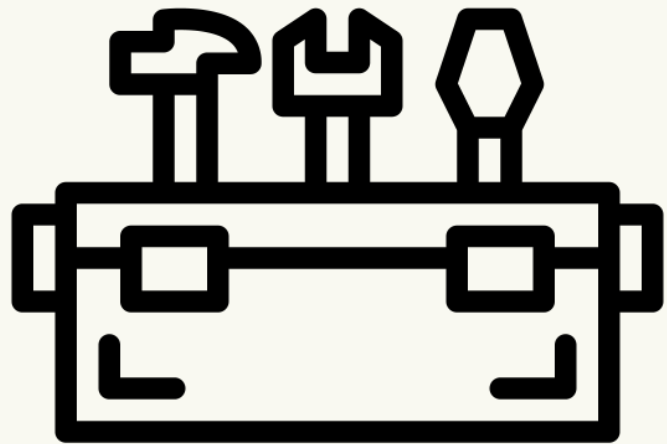
Field

Operational

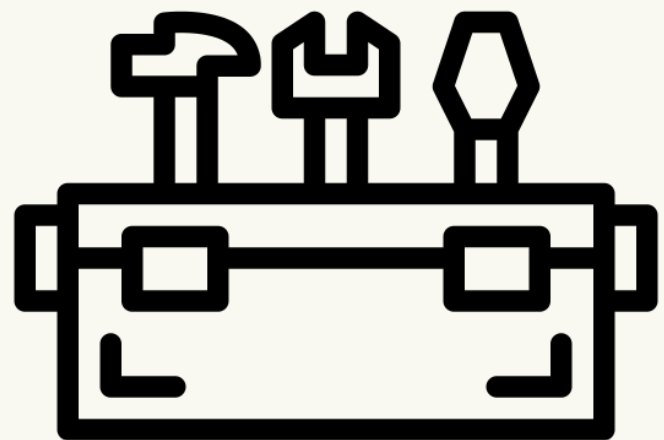
7 + 5 =



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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request

Needfind

Concept

Prototype

Development

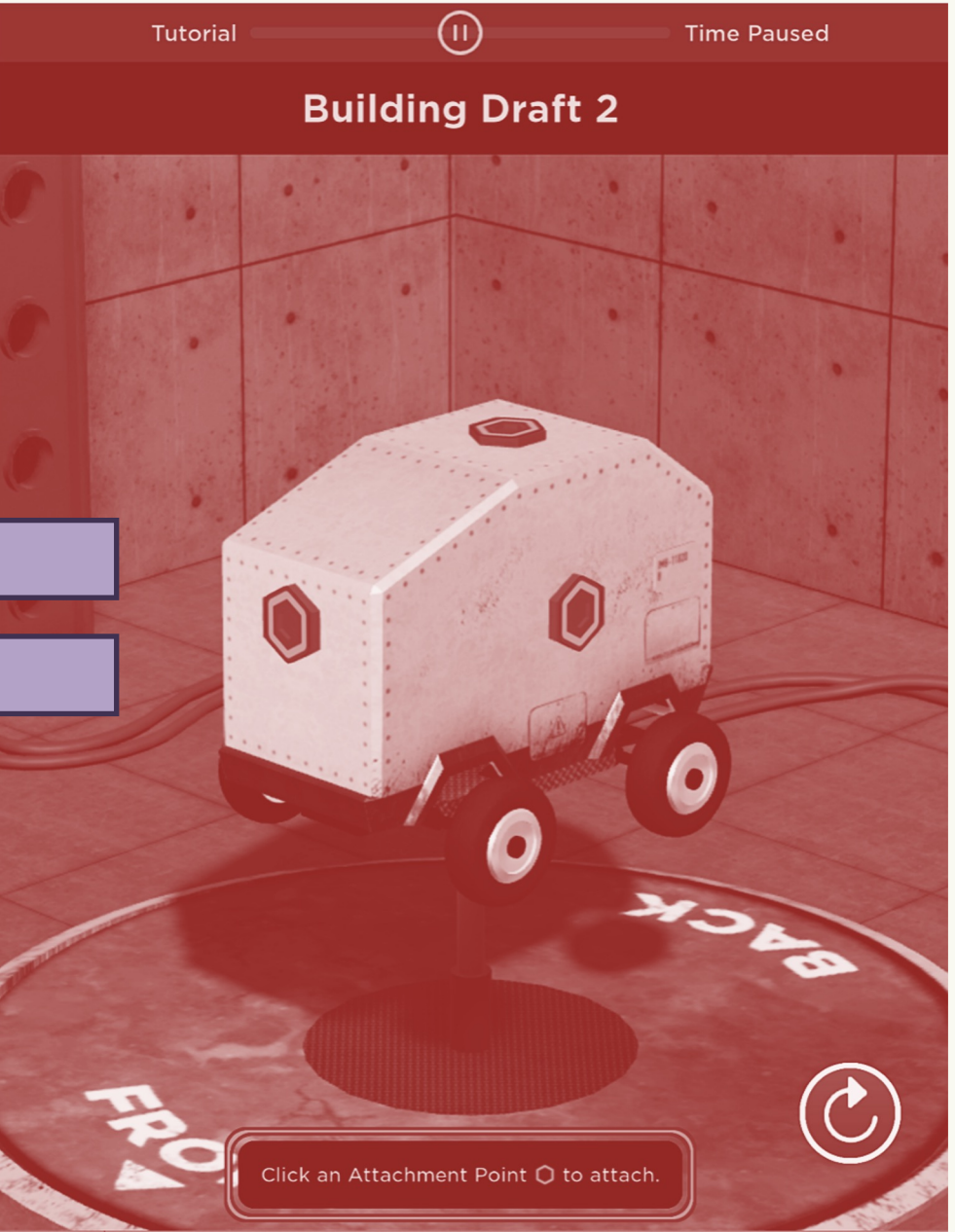
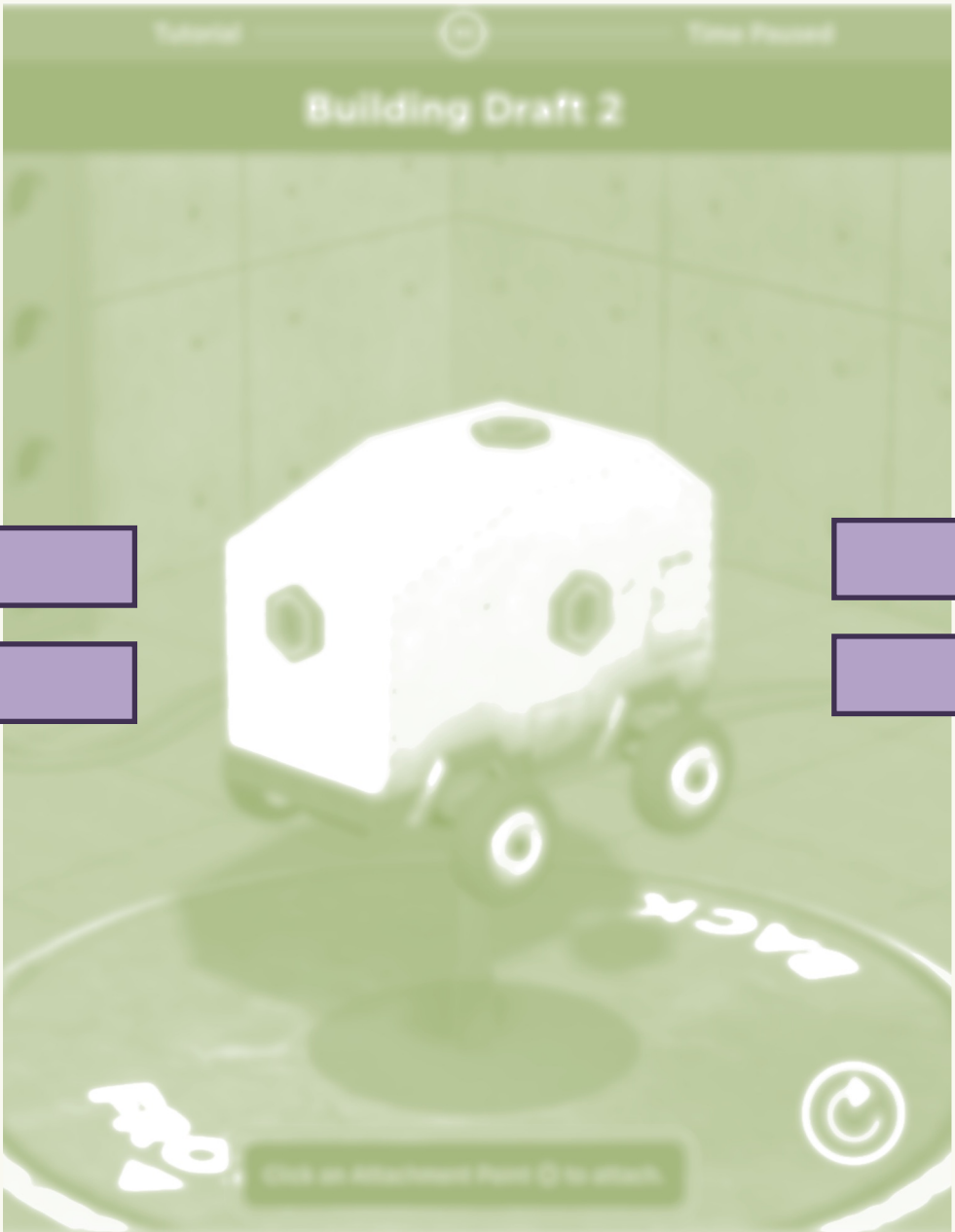
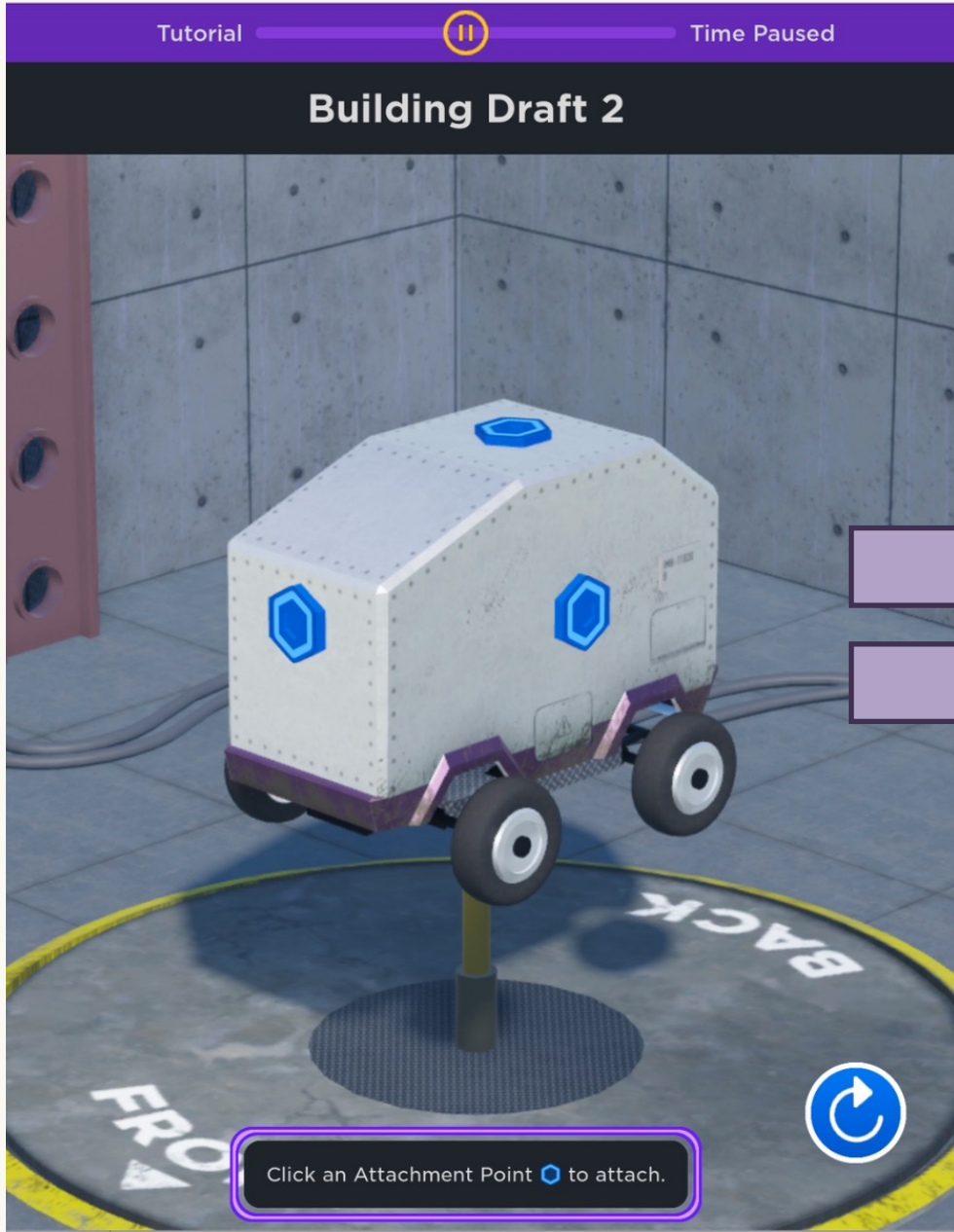
Iteration

QA

Pilot

Field

Operational



Request

Needfind

Concept

Prototype

Development

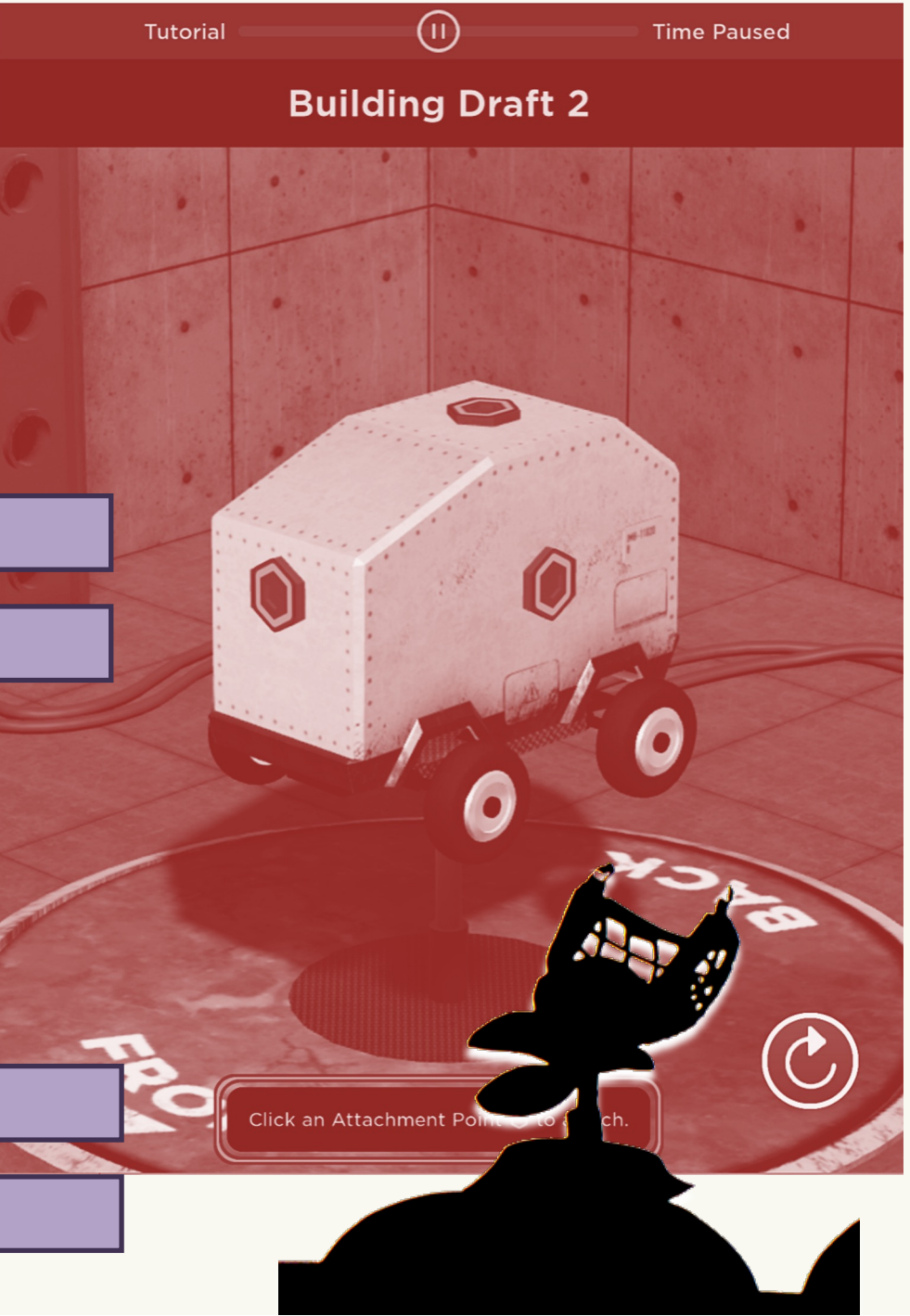
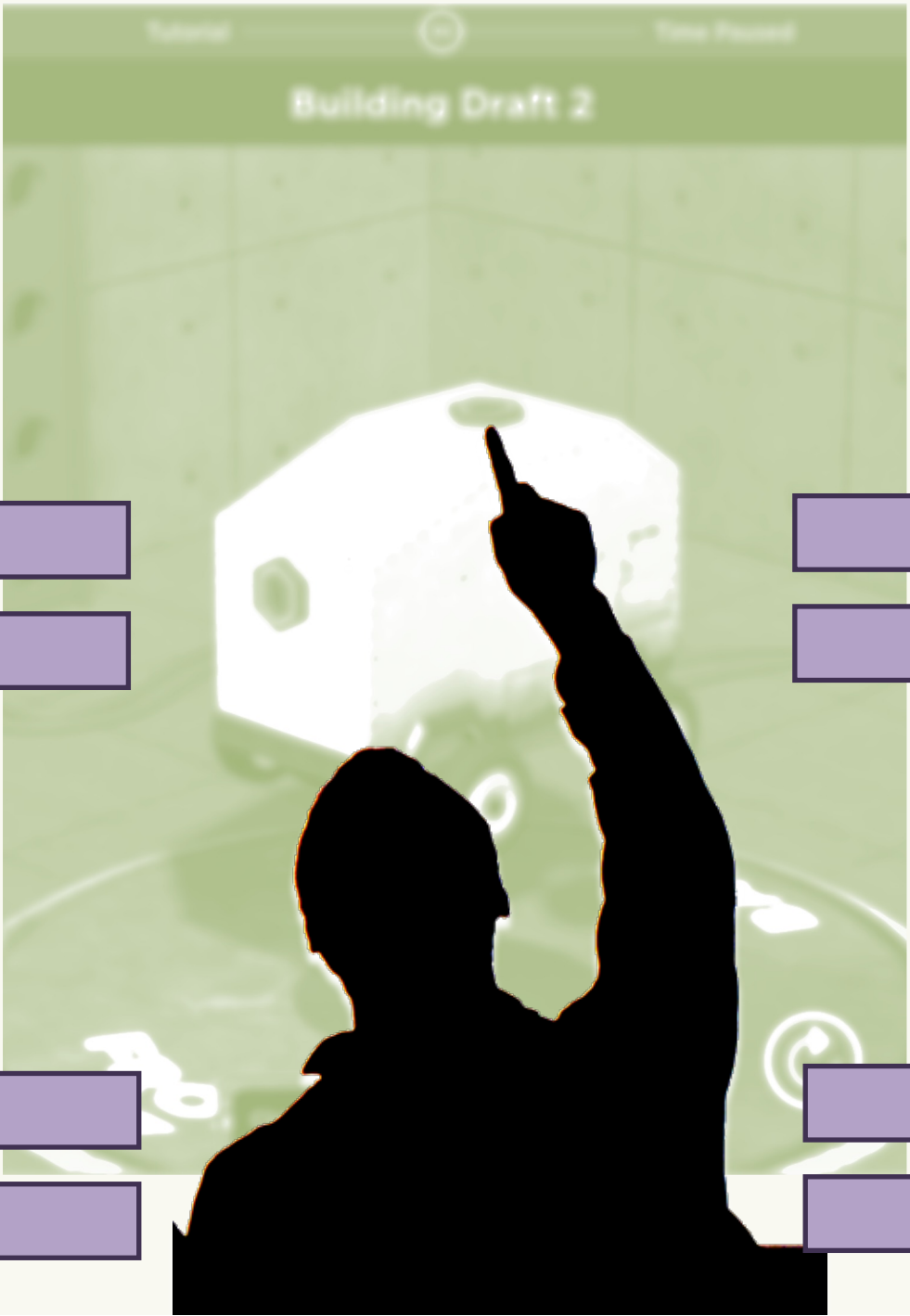
Iteration

QA

Pilot

Field

Operational



Request

Needfind

Concept

Prototype

Development

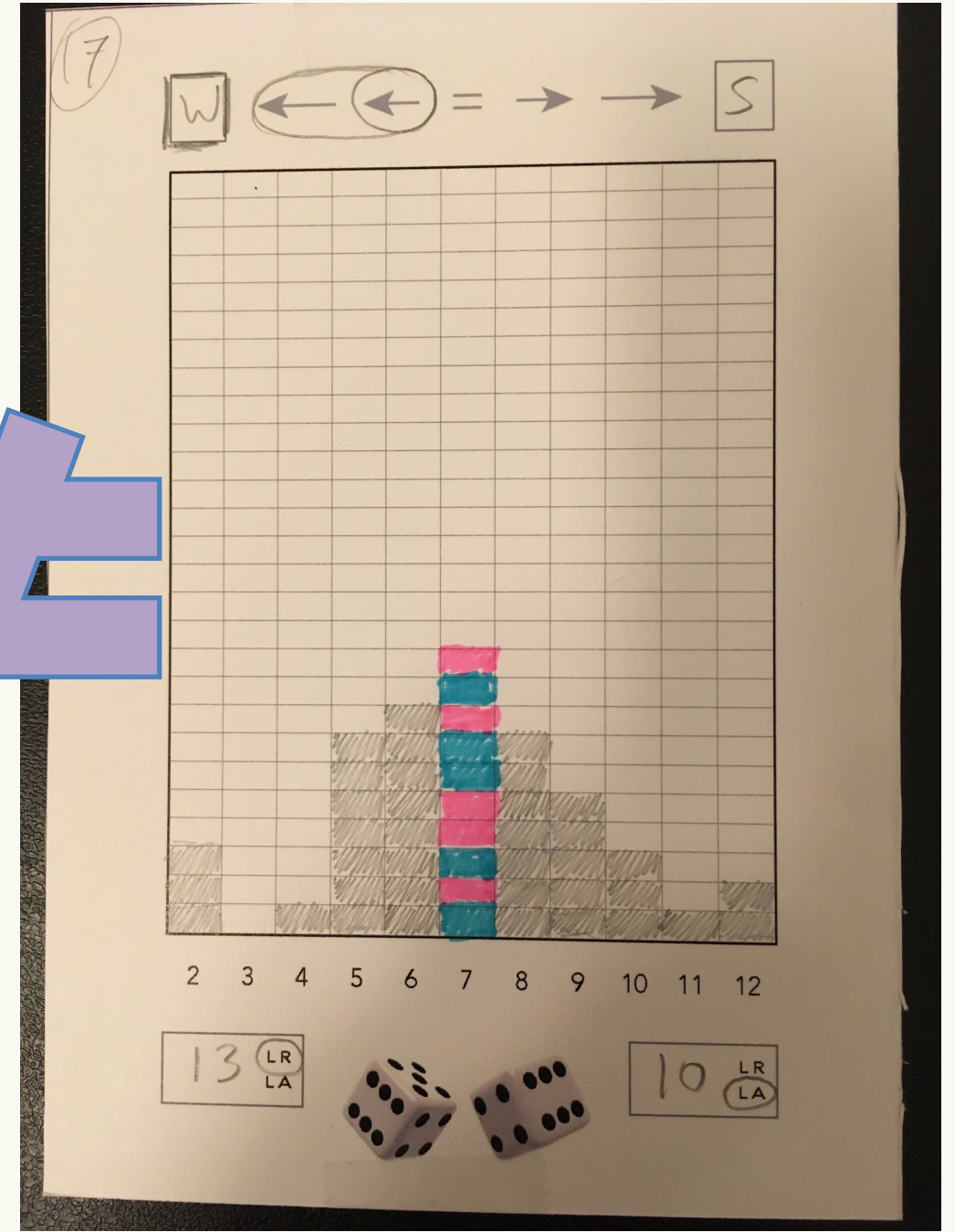
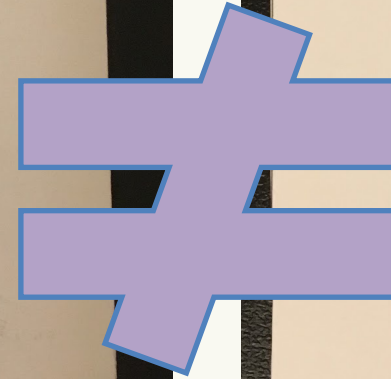
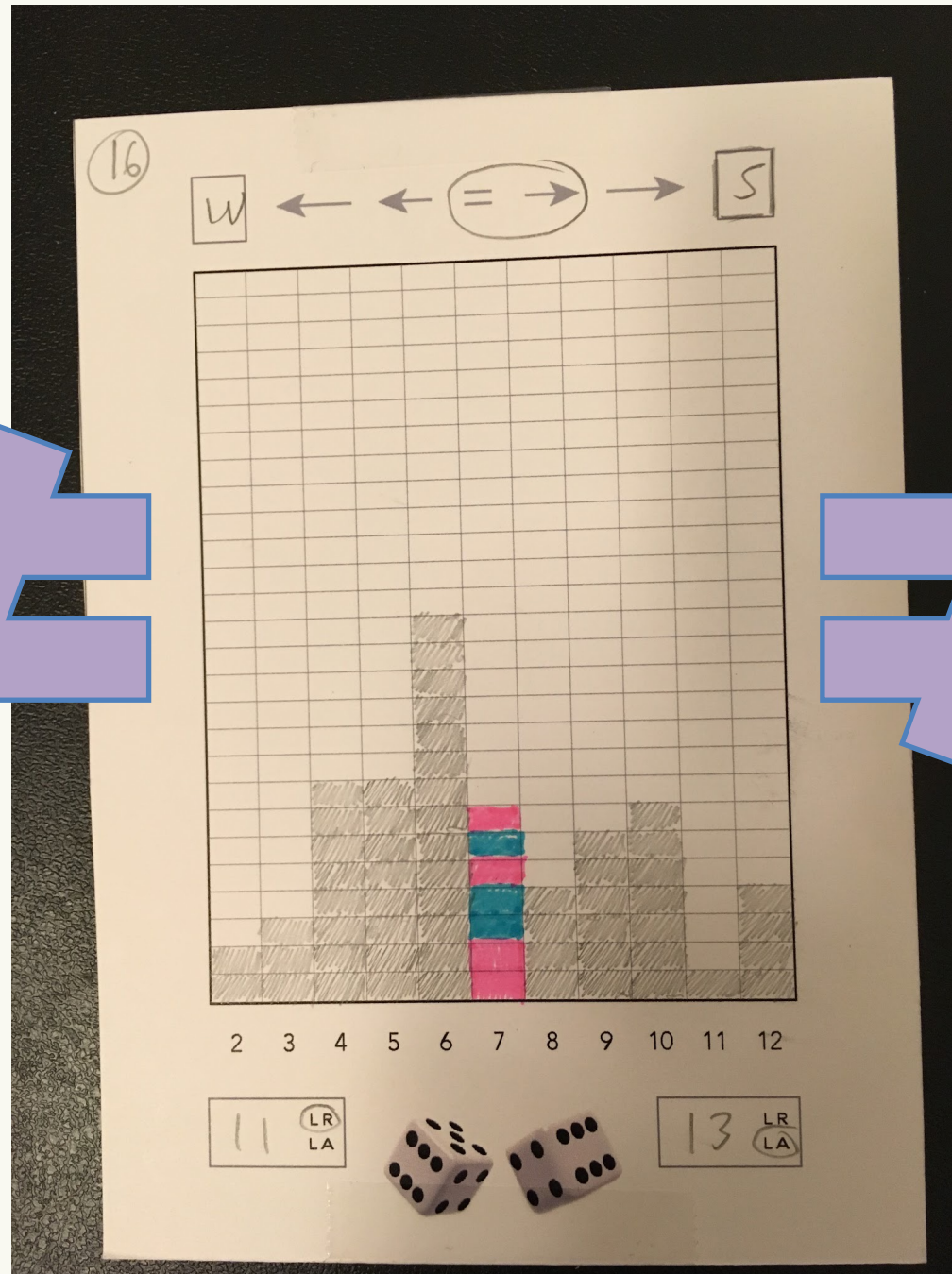
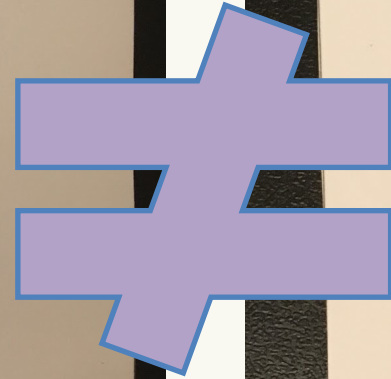
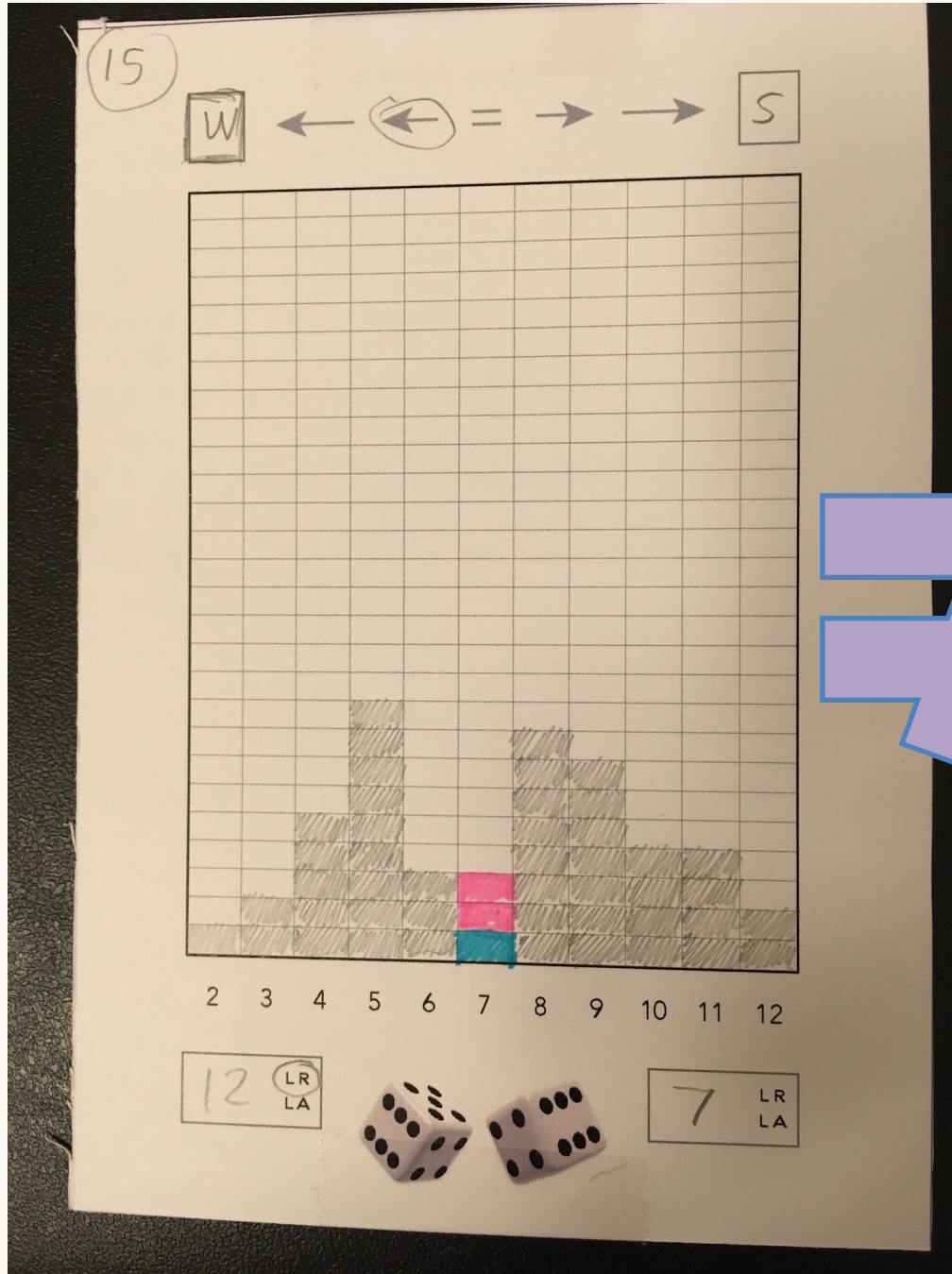
Iteration

QA

Pilot

Field

Operational



Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational

EQUIVALENCE

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Red Flags

1. Scoring
2. Fun
3. Bias
4. Accessibility
5. Robloxiness
6. Face Validity
7. Dev Cost
8. **Variations**



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Humor Assessment Ideas

1. ~~Hot or Not~~

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3. ~~Standup Conversation Engine~~

4. Card Joke Builder

5. ~~Paper Doll~~

6. ~~Standup Heckler Sim~~

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Request

Needfind

Concept

Prototype

Development

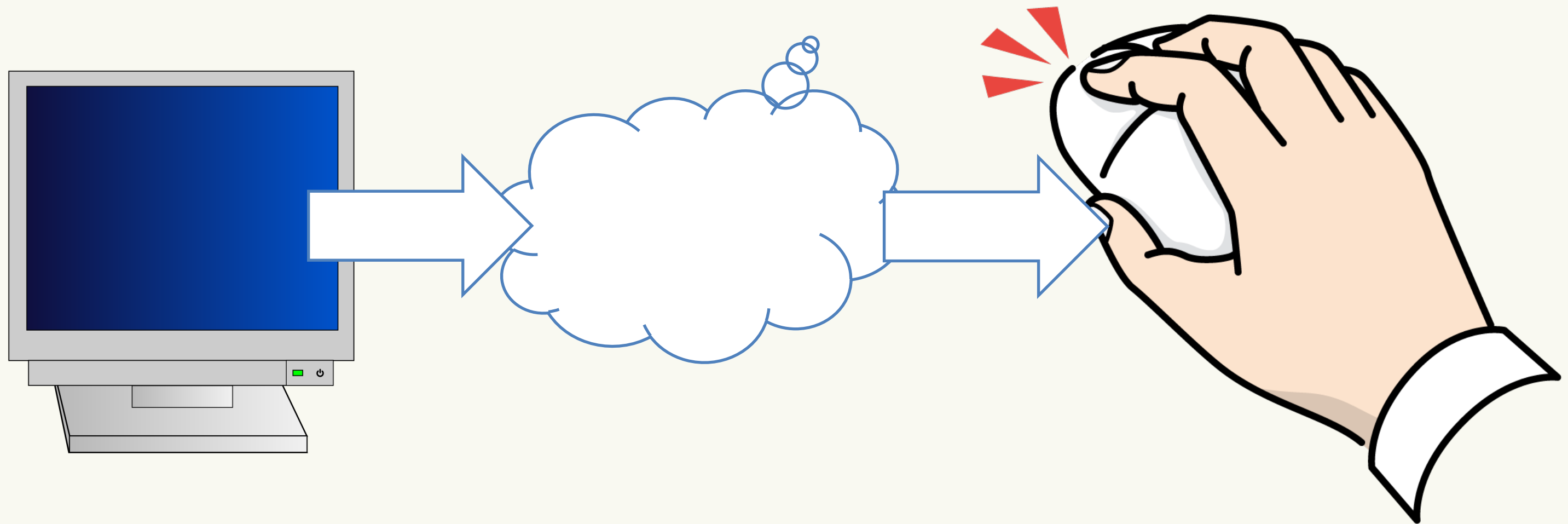
Iteration

QA

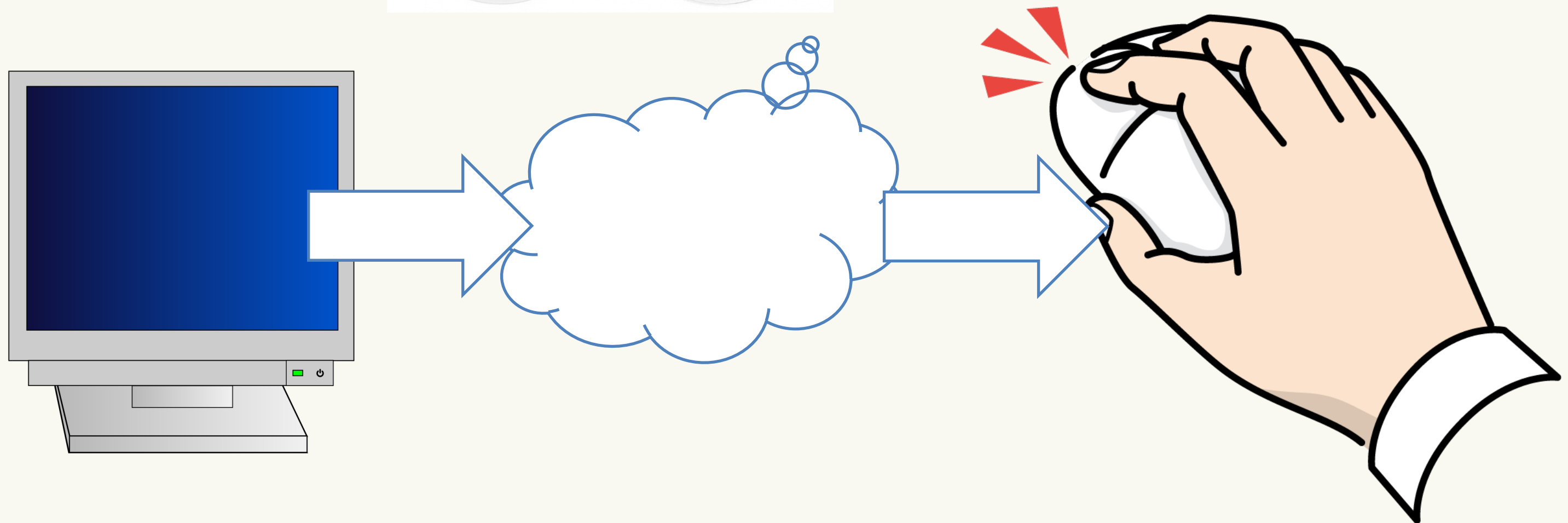
Pilot

Field

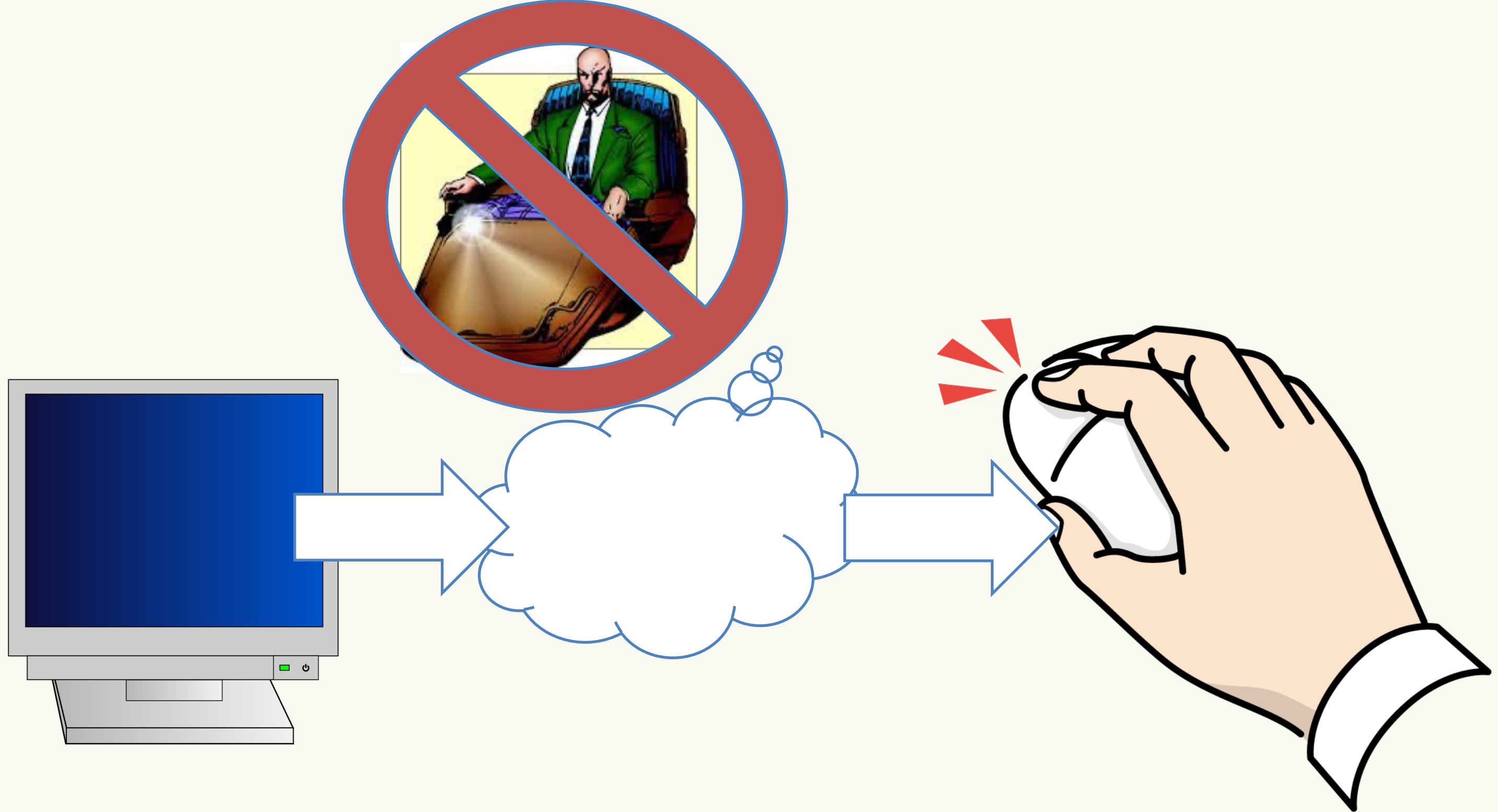
Operational



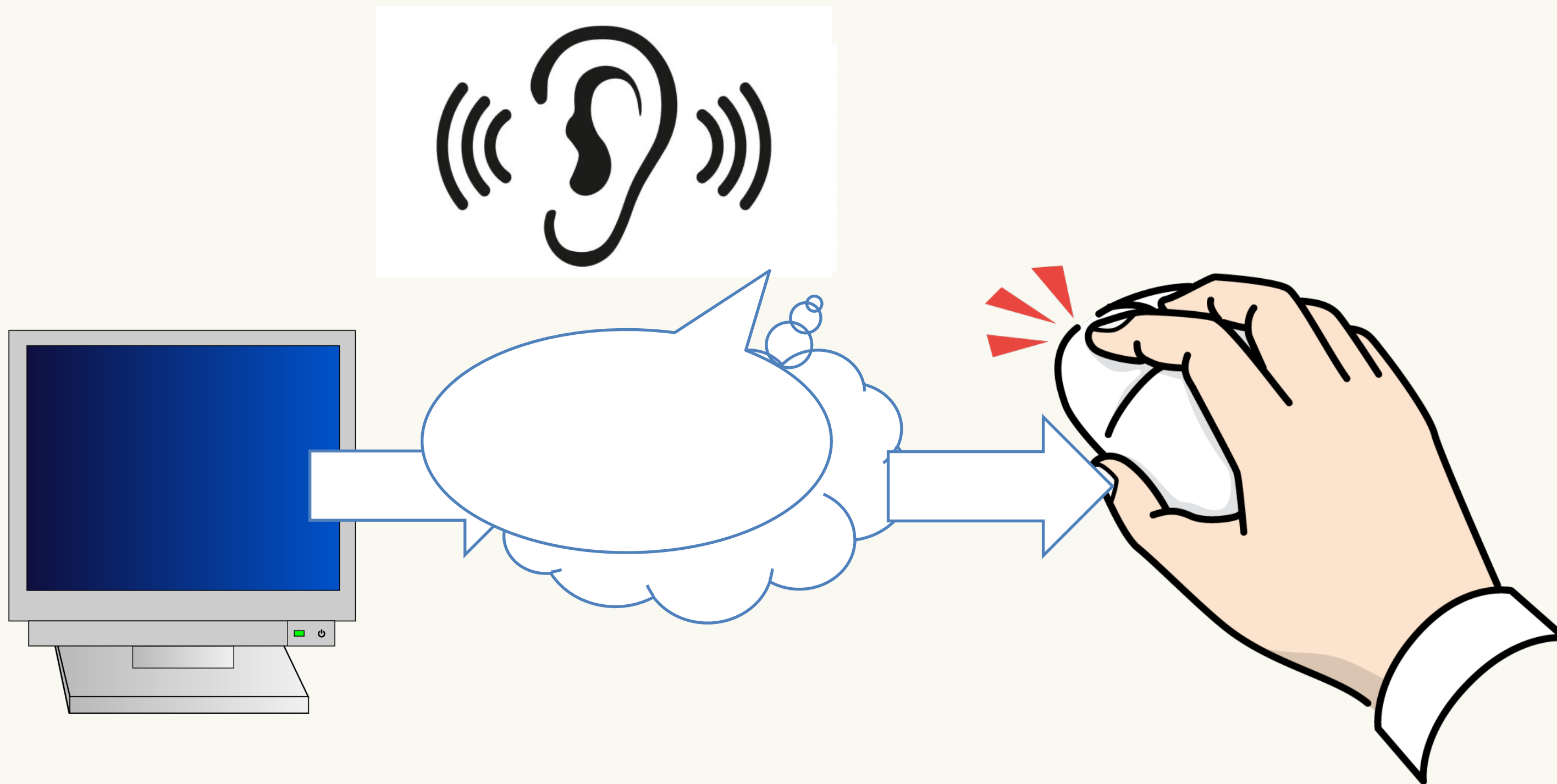
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Imbellus Assessment

https://assessment.at.robloxlabs.com/?token=9e0368f102d15234f42448453b6dd2ae30574cd363cab1856bfd419c9e7e3705

SpotifyCalendarGmailDiscordOktaGithubJiraPagerDutyMoniesConfluence PagesFrontend ResourcesAPIsTesting SitesFoodGamesCreator Dashboard

25 min left

Welcome to the Mountain

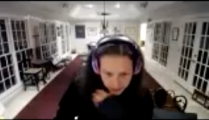
Your goal is to add a new sustainable habitat to an existing region of the island, with as many surviving species (plants, animals, and fungi) as possible. Use the Guidebook and monitors to determine which species create a stable food web.

Continue

Waiting for assessment.at.robloxlabs.com...

6:51 / 57:30

CC HD



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Imbellus Assessment

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SpotifyCalendarGmailDiscordOktaGithubJiraPagerDutyMoniesConfluence PagesFrontend ResourcesAPIsTesting SitesFoodGamesCreator Dashboard

25 min left

Should I move this here?

Welcome to the Mountain

Your goal is to add a new sustainable habitat to an existing region of the island, with as many surviving species (plants, animals, and fungi) as possible. Use the Guidebook and monitors to determine which species create a stable food web.

Continue

If I do this, and they do that, then...

Waiting for assessment.at.robloxlabs.com...

6:51 / 57:30

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Imbellus Assessment

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SpotifyCalendarGmailDiscordOktaGithubJiraPagerDutyMoniesConfluence PagesFrontend ResourcesAPIsTesting SitesFoodGamesCreator Dashboard

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Imbellus Assessment

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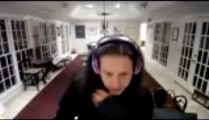
🎵 Spotify 📅 Calendar 📧 Gmail 💬 Discord 🔑 Okta 🔄 Github 🔄 Jira 📄 PagerDuty 📁 Monies 📁 Confluence Pages 📁 Frontend Resources 📁 APIs 📁 Testing Sites 📁 Food 📁 Games 📁 Creator Dashboard

TBD

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CC ⚙️ HD 🖥️ ⛶



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Humor Assessment Ideas

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Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational

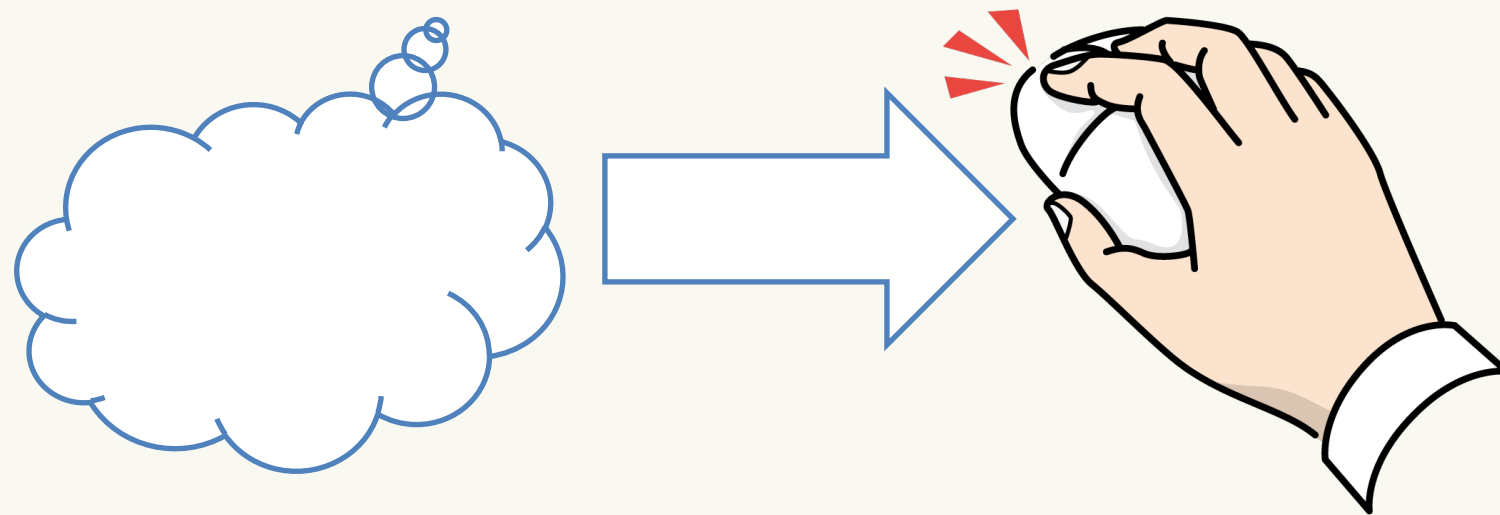
Prototyping Guidelines

1. Build something to answer a question as quickly as possible.

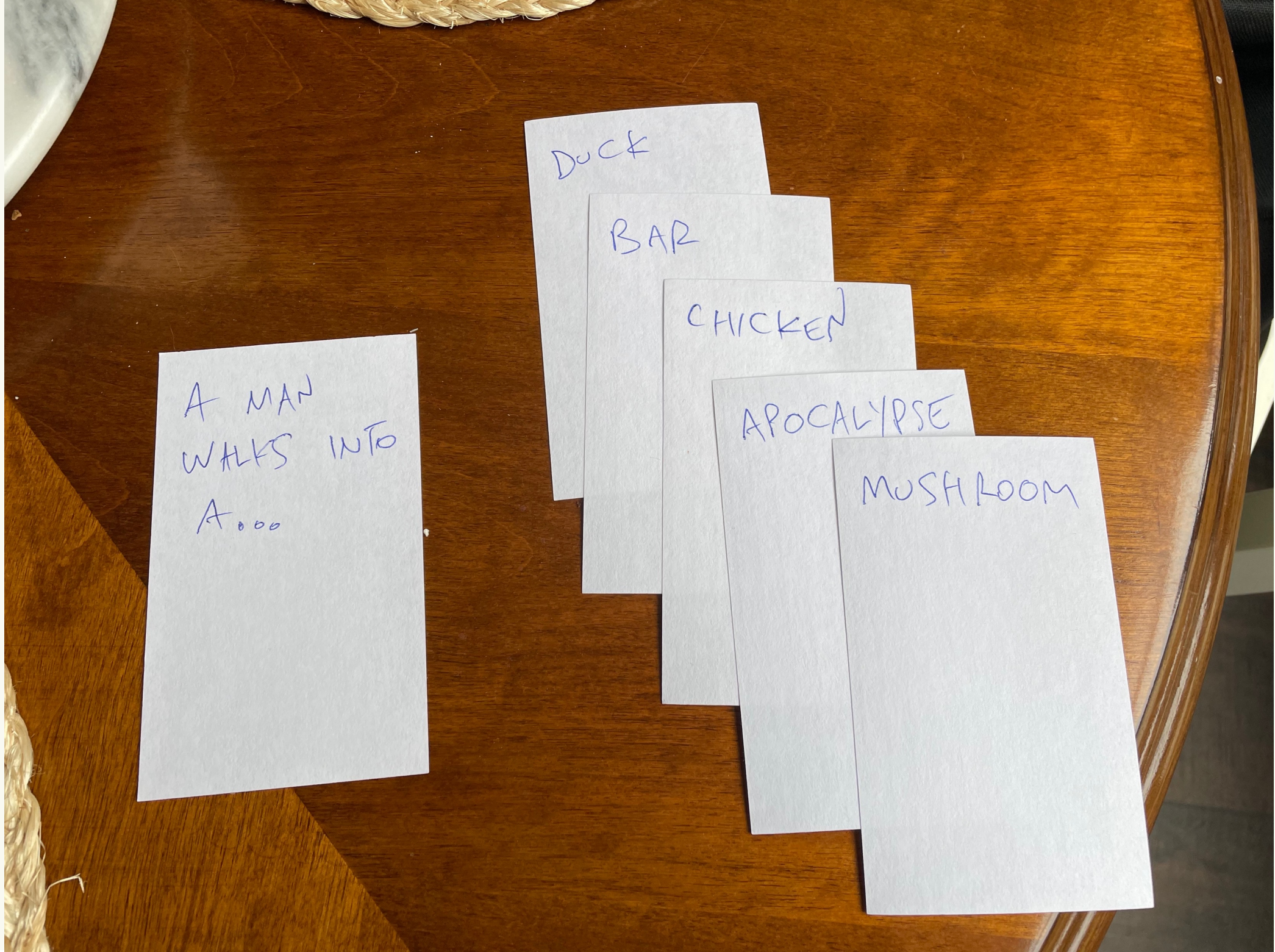
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Prototyping Guidelines

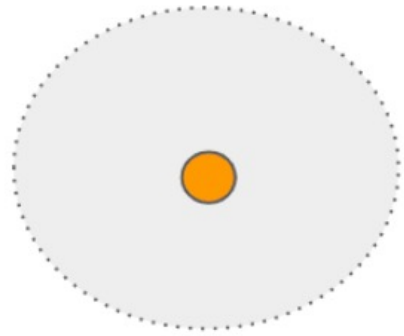
- 1. Answer a question as quickly as possible.**
2. Question 1: *Does this concept elicit the thinking defined in the construct?*
3. Question 2: *Does that thinking result in measurable user actions?*



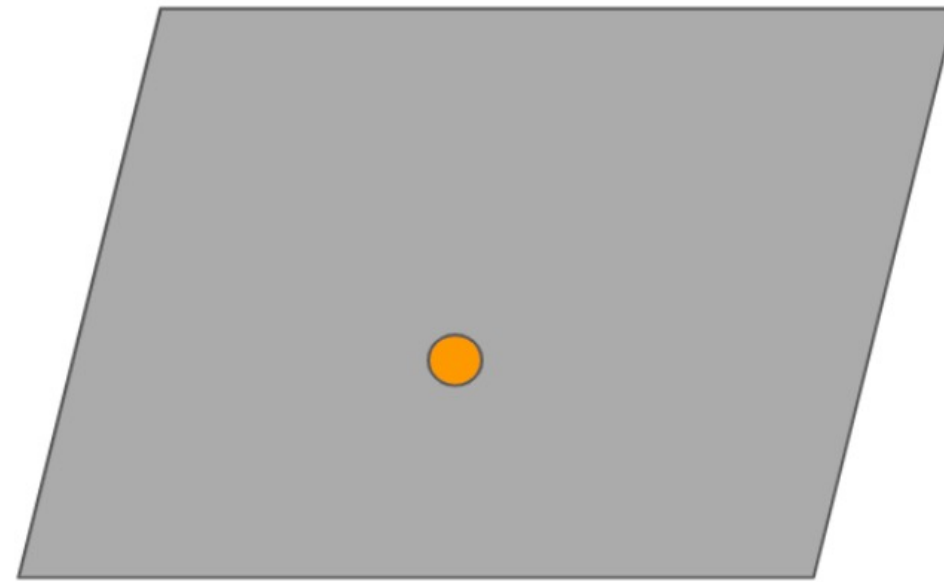
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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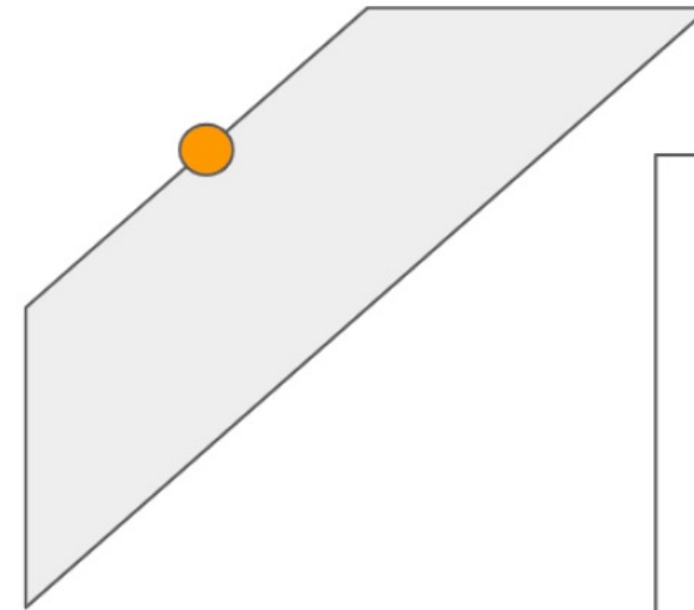
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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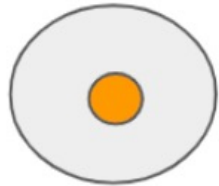
Slick Wheel



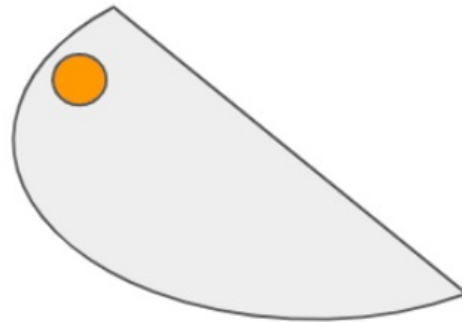
Solar Panel



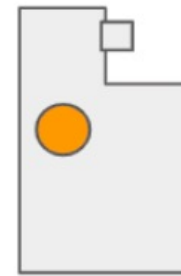
Plow



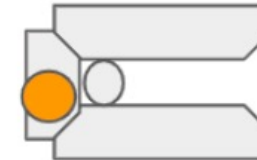
Wheel



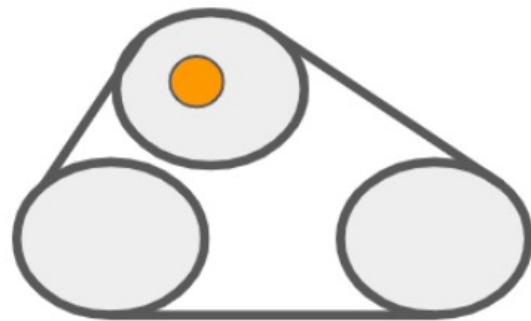
Scoop



Torch



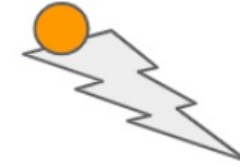
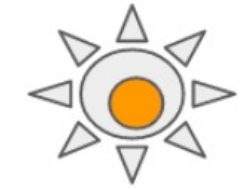
Ball Launcher



Tread

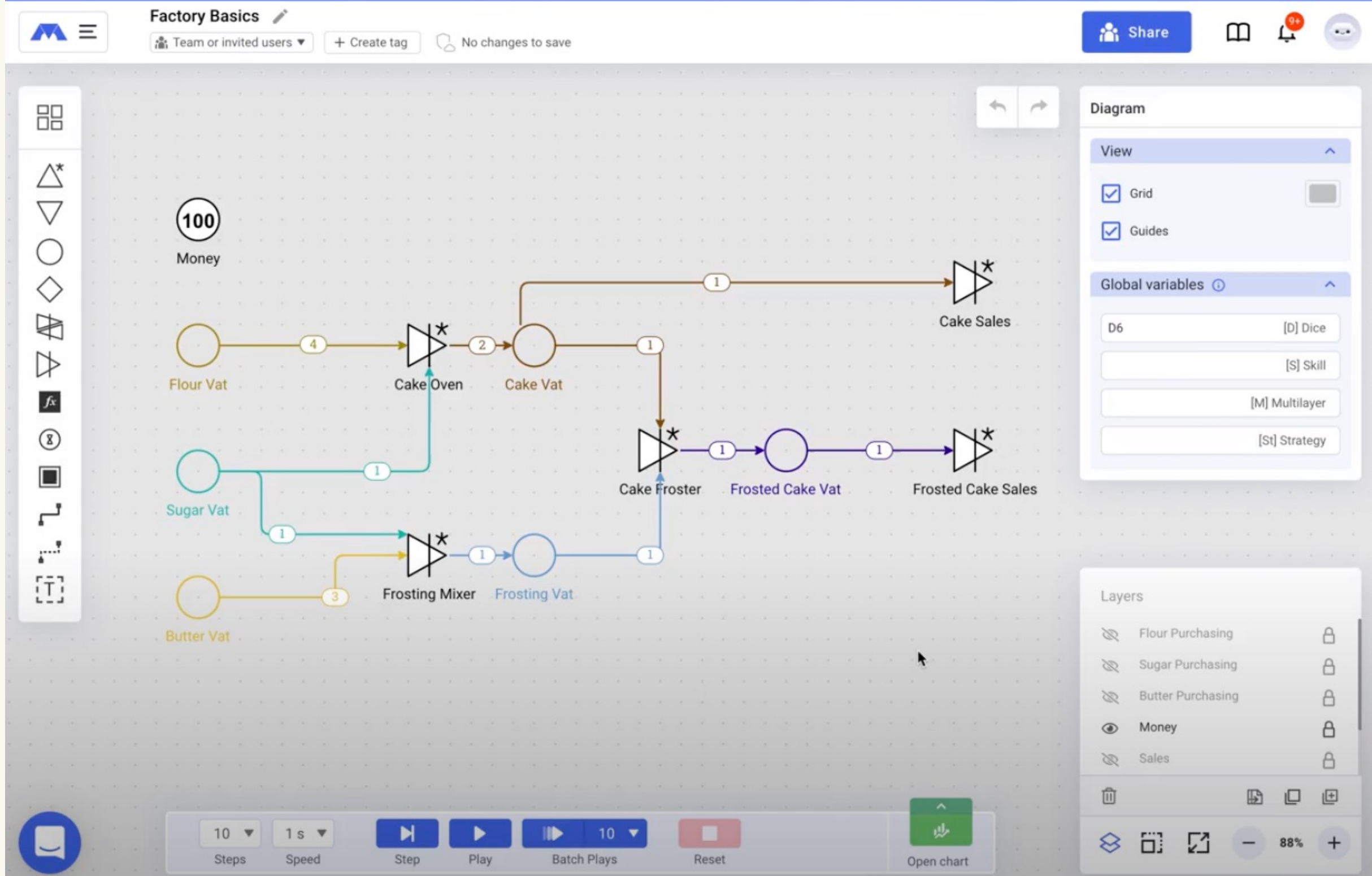


Sensor



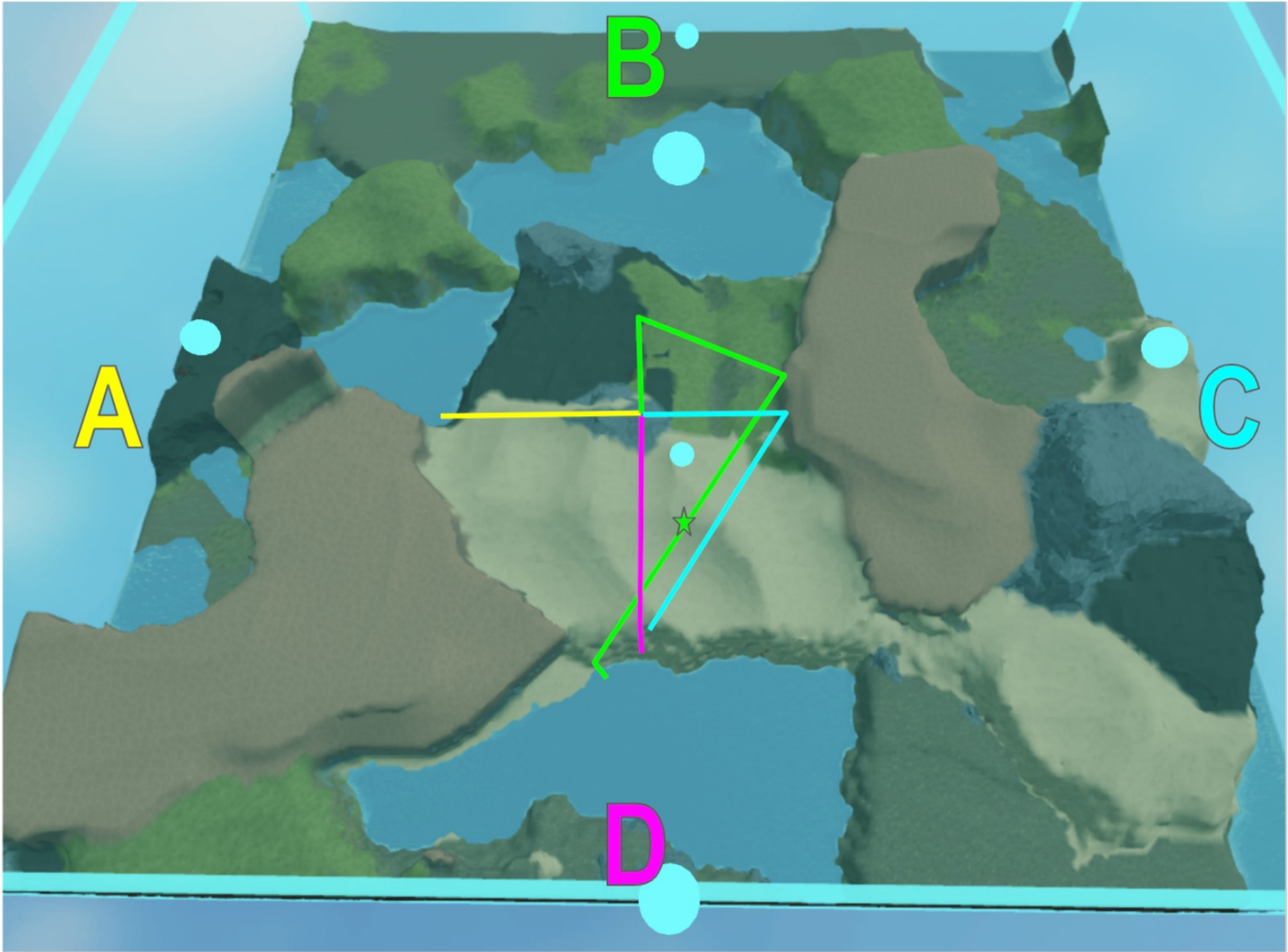
Behavior
Modifiers

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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- Robot A
- Robot B
- Robot C
- Robot D



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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2021-02-02-Andrea-Fletcher-EP.mp4

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Imbellus Assessment

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Spotify Calendar Gmail Discord Okta Github Jira PagerDuty Monies Confluence Pages Frontend Resources APIs Testing Sites Food Games Creator Dashboard

25 min left

Robot A

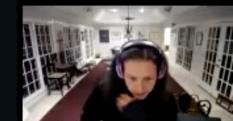
Robot B

Robot C

Robot D

Waiting for assessment.at.robloxlabs.com...

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Request

Needfind

Concept

Prototype

Development

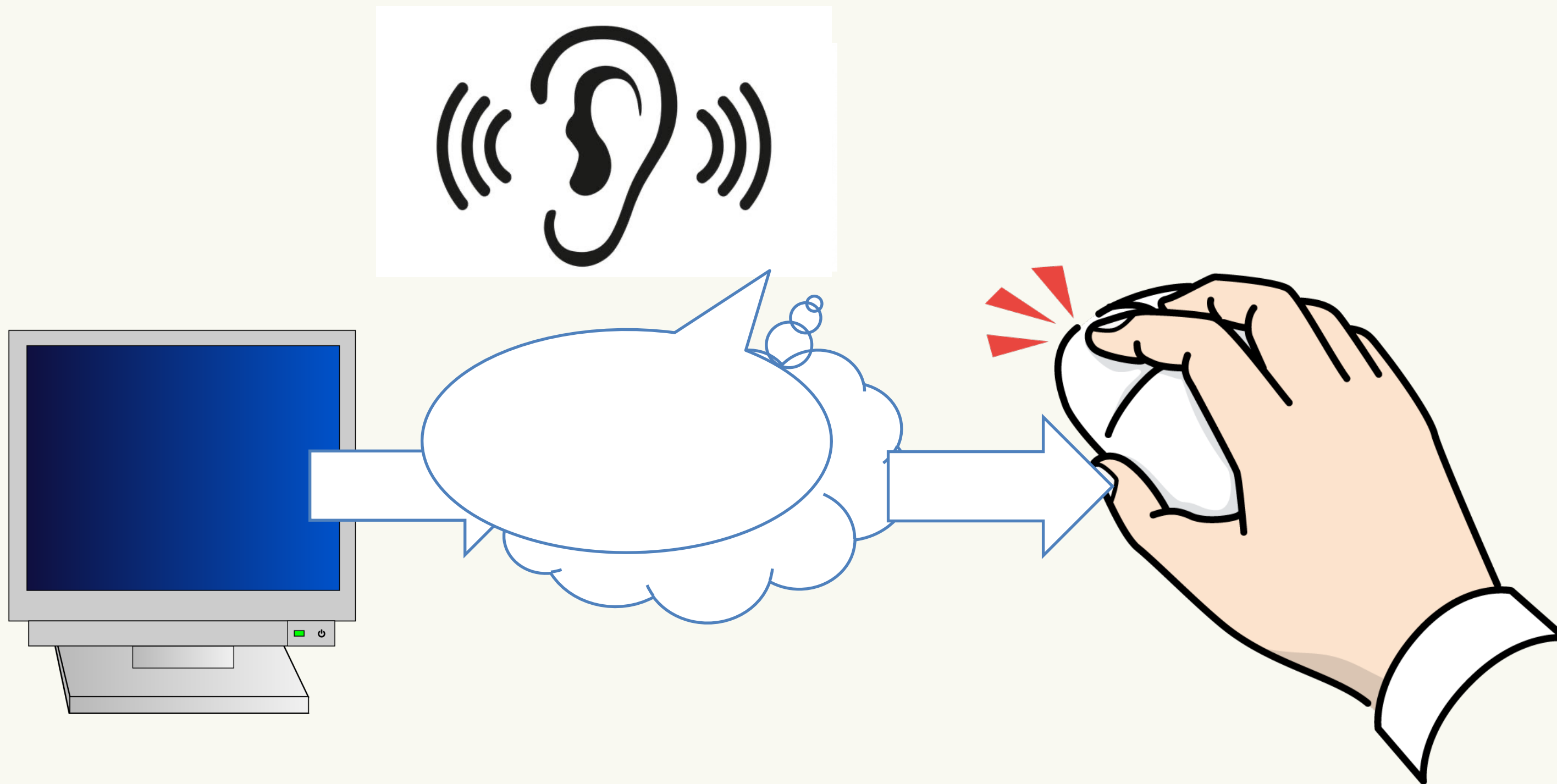
Iteration

QA

Pilot

Field

Operational



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Humor Assessment Ideas

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6. ~~Standup Heckler Sim~~

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Request

Needfind

Concept

Prototype

Development

Iteration

QA

Pilot

Field

Operational

Humor Assessment Project

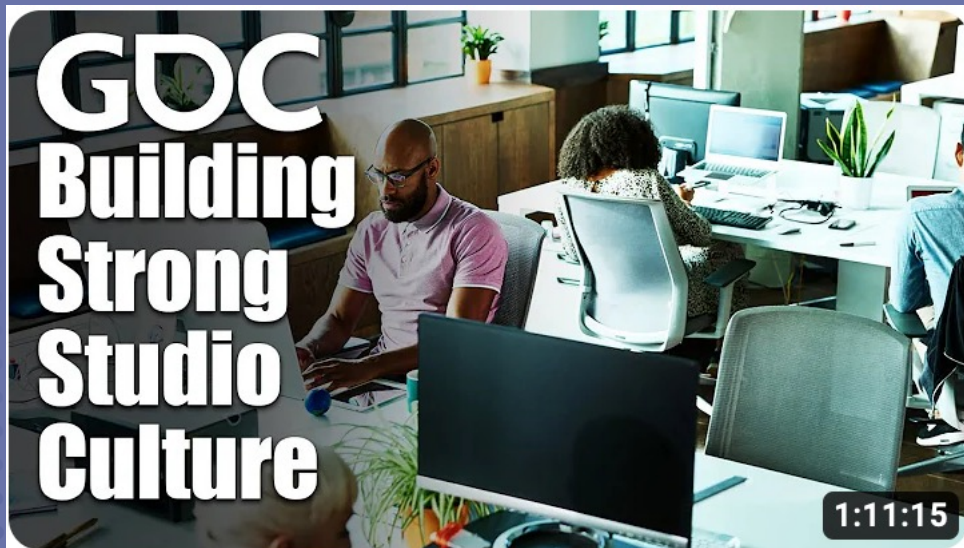
1. Card Joke Builder

GET STUFF DONE

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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GDC

March 20-24, 2023
San Francisco, CA



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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#GDC23

Imbellus Assessment

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Spotify Calendar Gmail Discord Oka Github Jira PagerDuty Monies Confluence Pages Frontend Resources APIs Testing Sites Food Games Creator Dashboard

25 min left

A man walks into a...

duck

bar

Should I move this here?

chicken

apocal

mushroom

If I do this, and they do that, then...

Waiting for assessment.at.robloxlabs.com...

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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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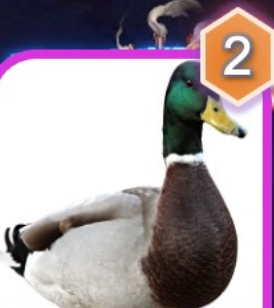
Press esc to exit full screen

Imbellus Assessment

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SpotifyCalendarGmailDiscordOktaGithubJiraPagerDutyMoniesConfluence PagesFrontend ResourcesAPIsTesting SitesFoodGamesCreator Dashboard

25 min left




2

DUCK

2

A man walks into a bar...




0

Chicken

4

What did the cow say to the...



4

Chicken

0

The...

Should I move this here?

If I do this, and they do that, then...

Waiting for assessment.at.robloxlabs.com...

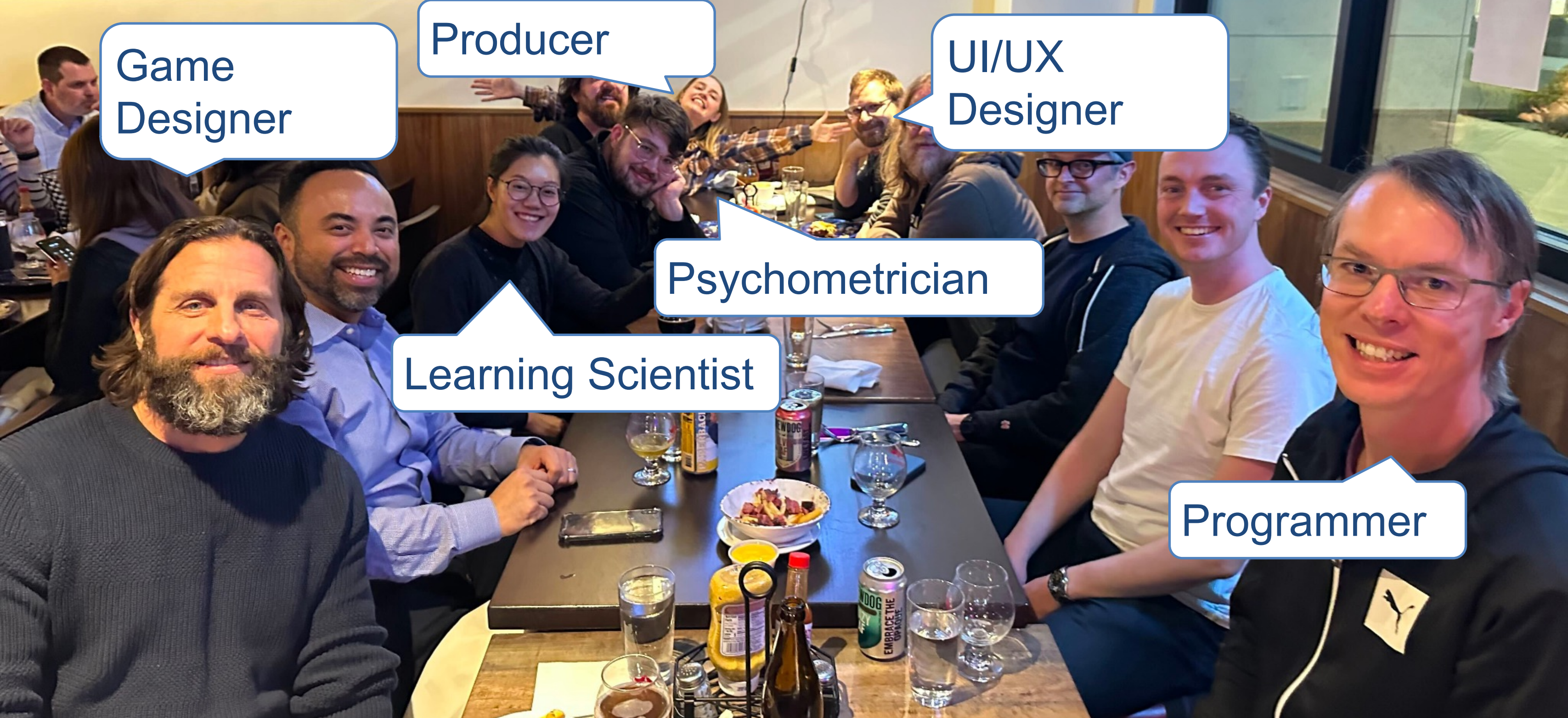
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CC HD

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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March 20-24, 2023 | San Francisco, CA #GDC23

GDC



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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	Mon	Tues	Wed	Thurs	Fri
Design & Science	Discuss	Plan	Review Build	Think- alouds	Think- alouds
Engineers & Artists	Build	Plan & Debug	Cut the build	Build	Build

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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EQUIVALENCE versus TUTORIAL

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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10 tips for designing a game tutorial

By filament games, based on George Fan's GDC Talk

1. "blend the tutorial into the game"
2. "better to have the player do than read"
3. "spread out the teaching of the game mechanics"
4. "just get the player to do it once"
5. "use fewer words"
6. "use unobtrusive messaging if possible"
7. "use adaptive messaging"
8. "don't create noise"
9. "use visuals to teach"
10. "leverage what people already know"



<https://www.filamentgames.com/blog/10-tips-designing-game-tutorial/>

Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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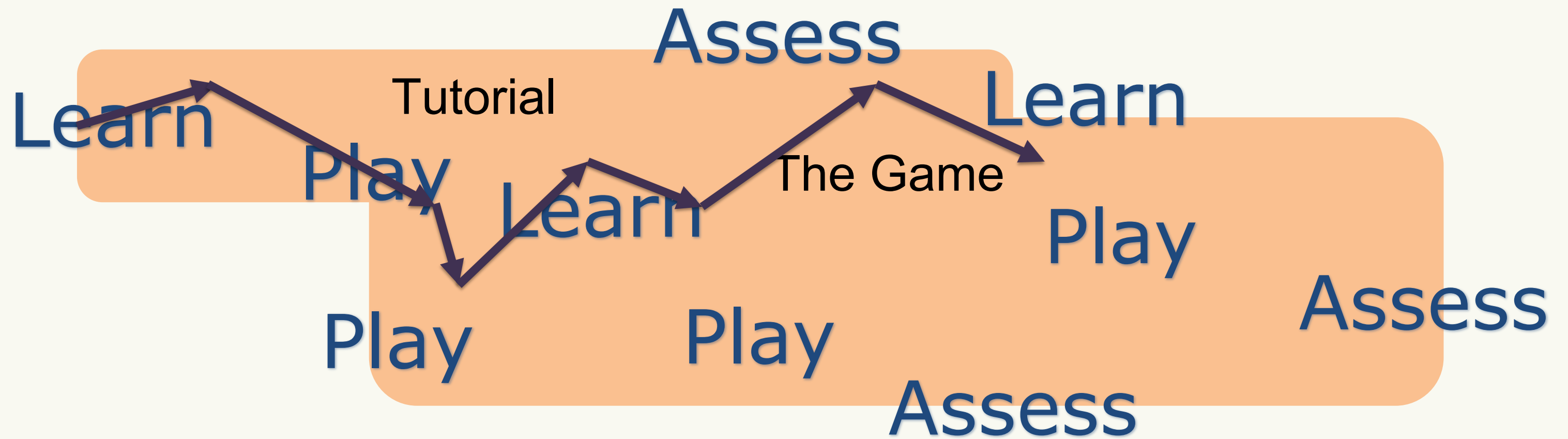
Tutorial

The Game

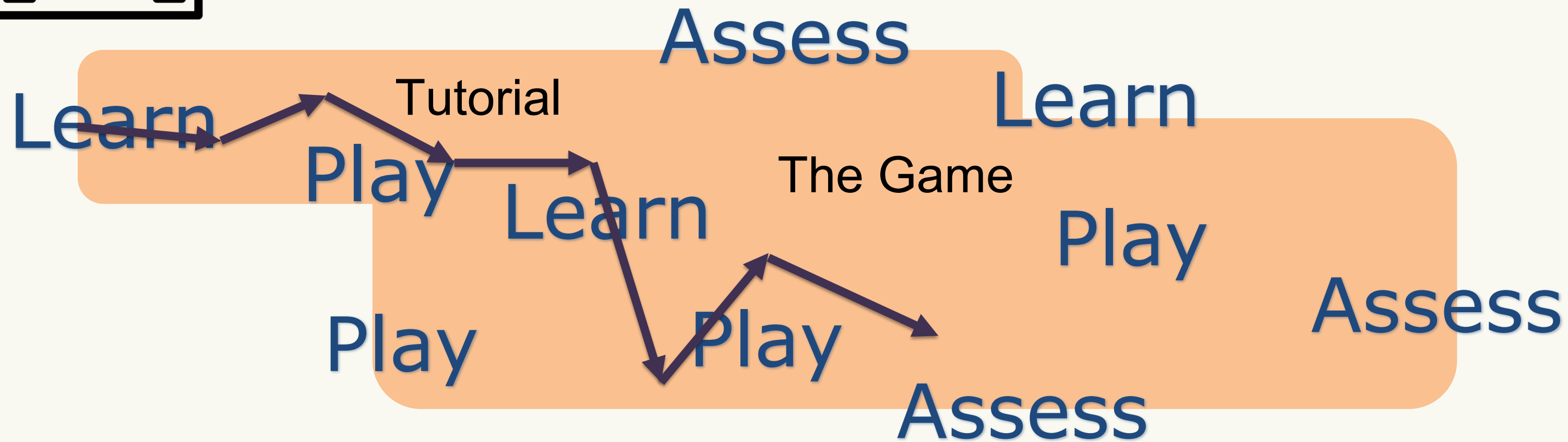
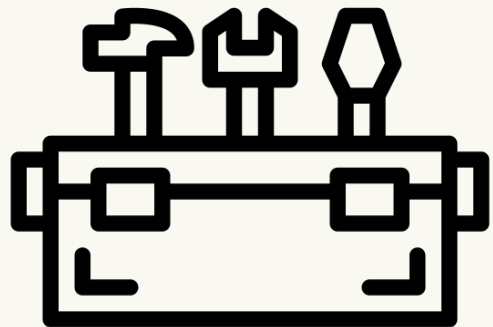
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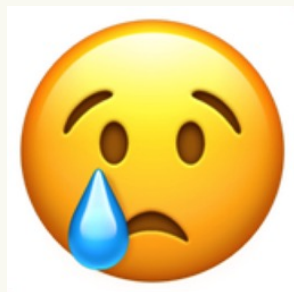
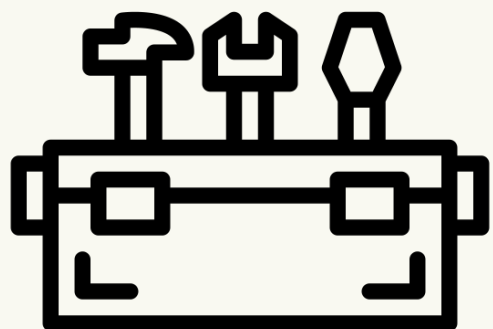
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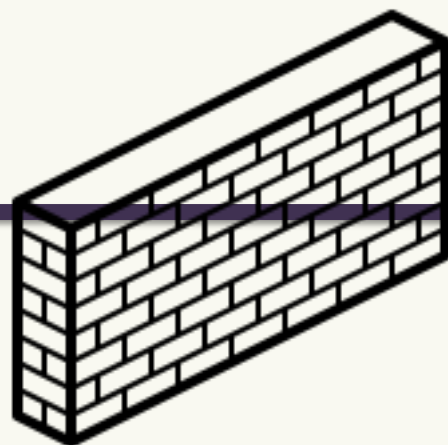
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Test Instructions

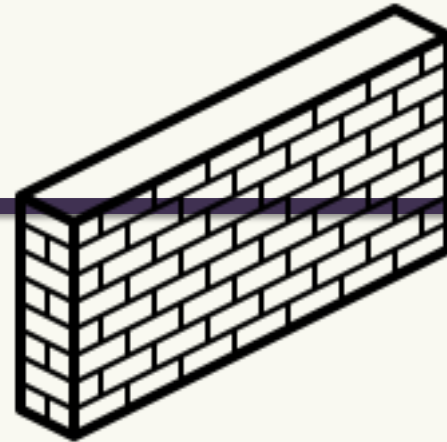


The Test



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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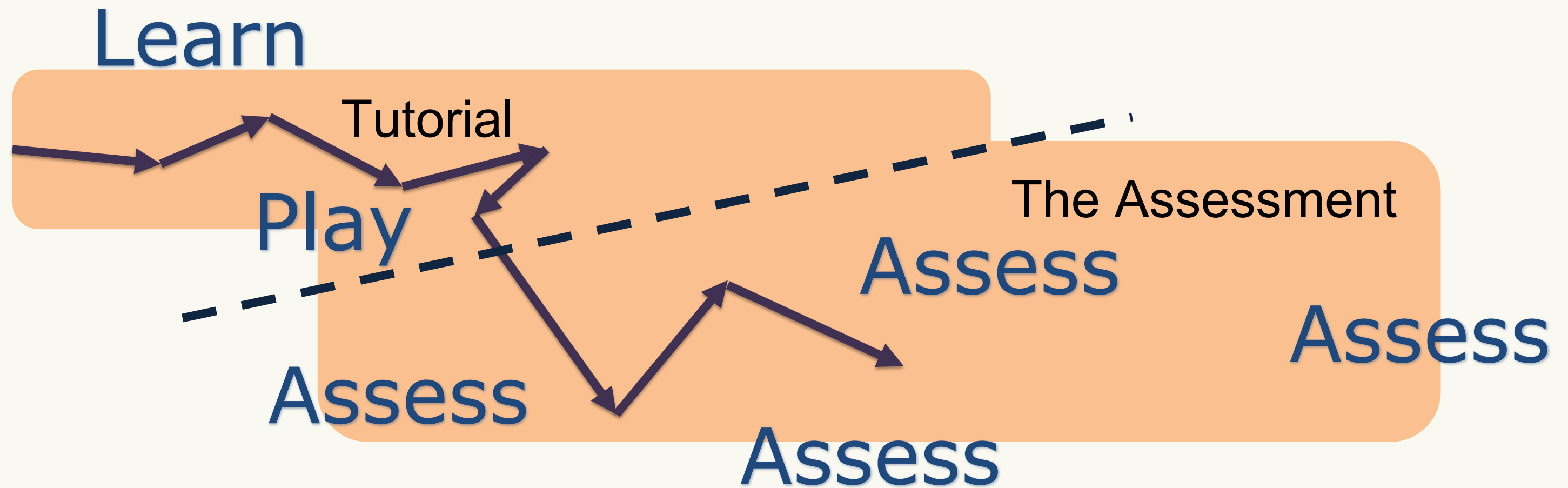
Test Instructions



The Test

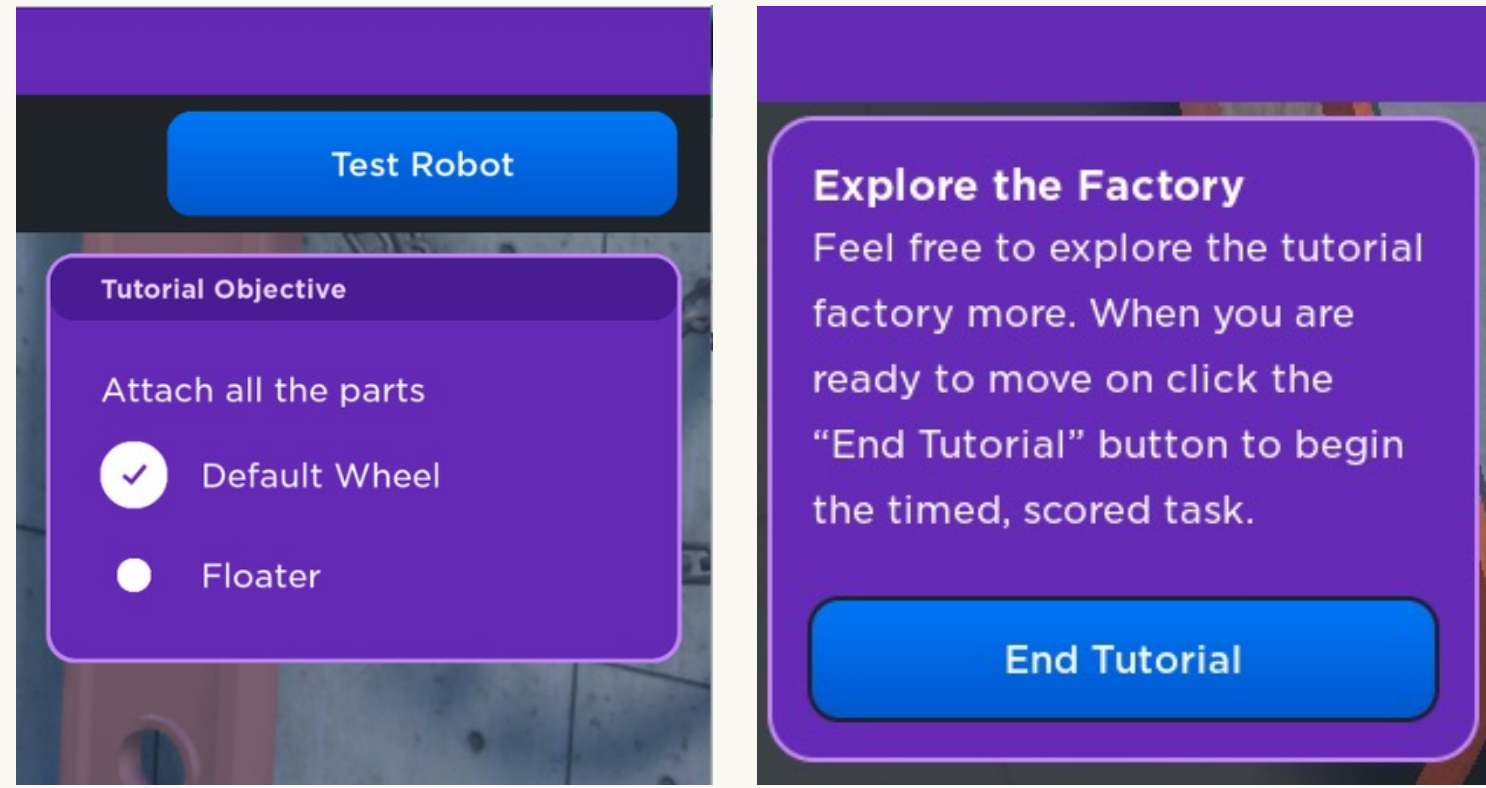


Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Learn Play

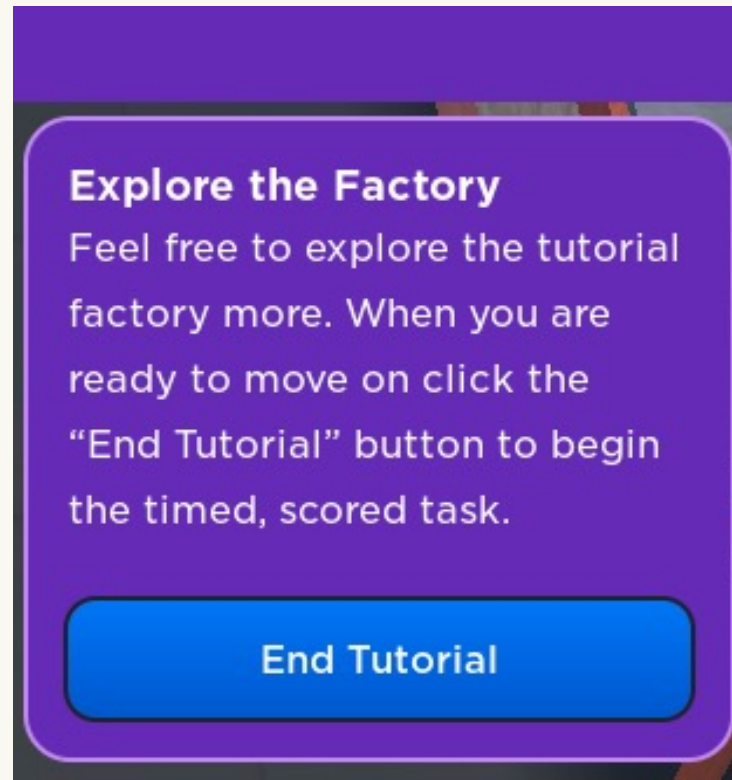
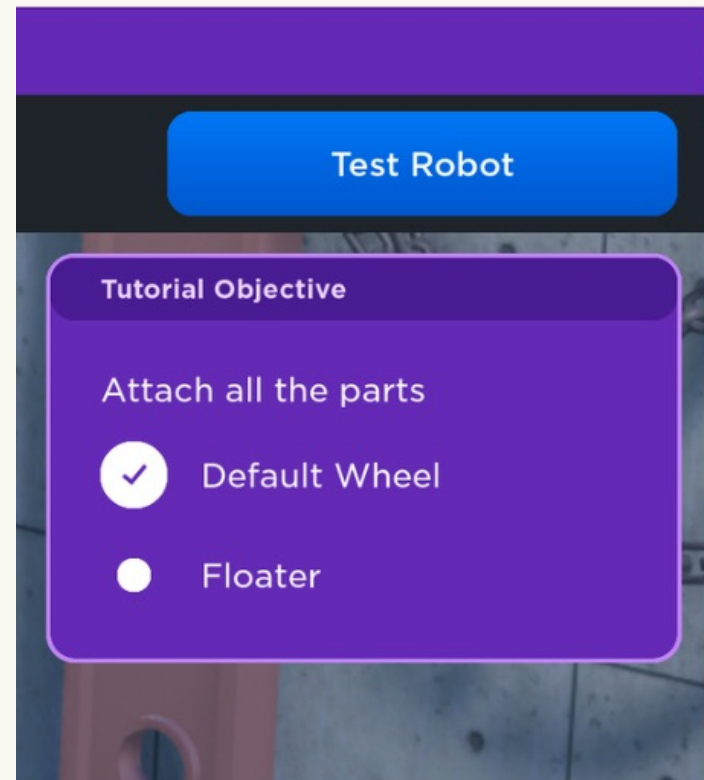


Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Assess Tutorial

The Assessment



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request

Needfind

Concept

Prototype

Development

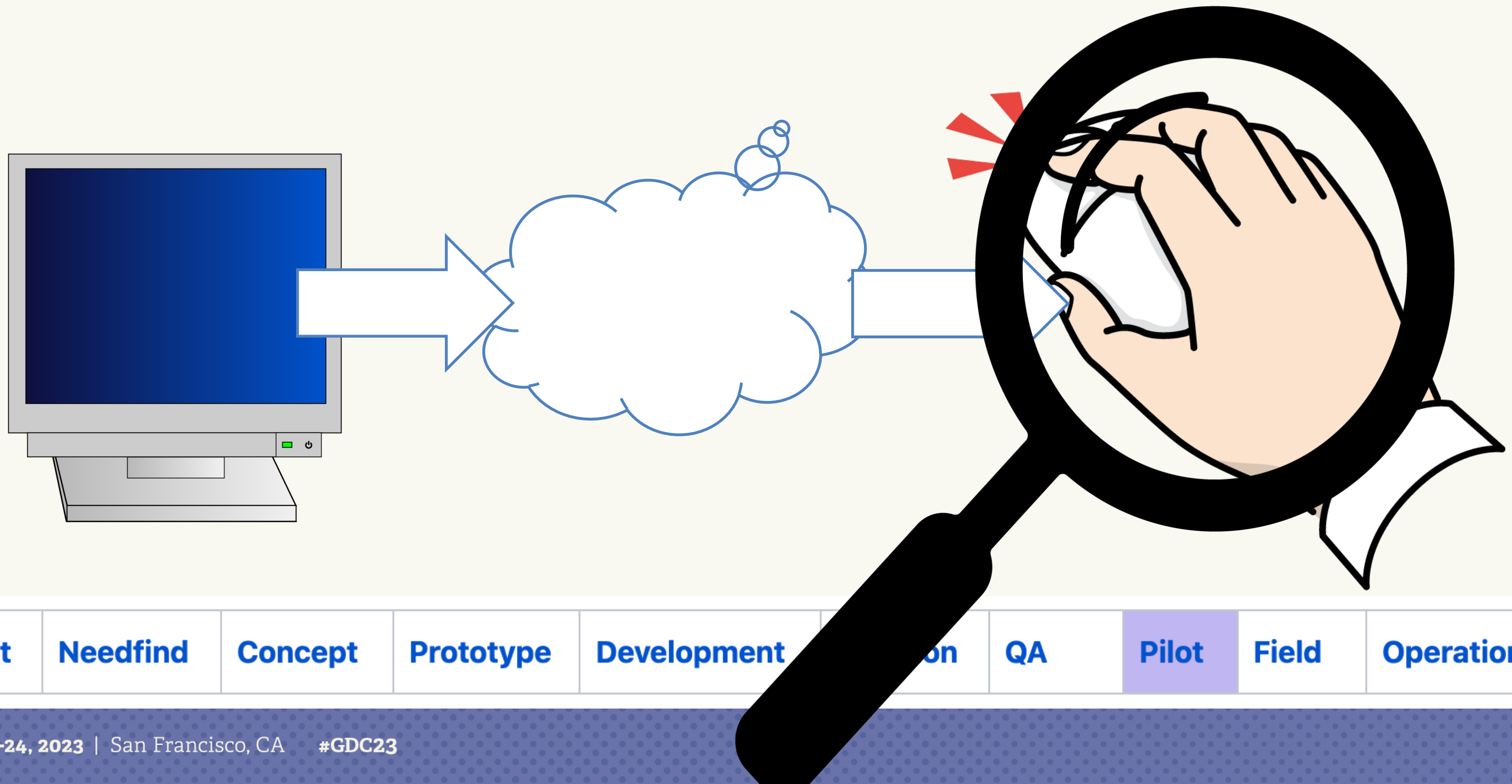
Iteration

QA

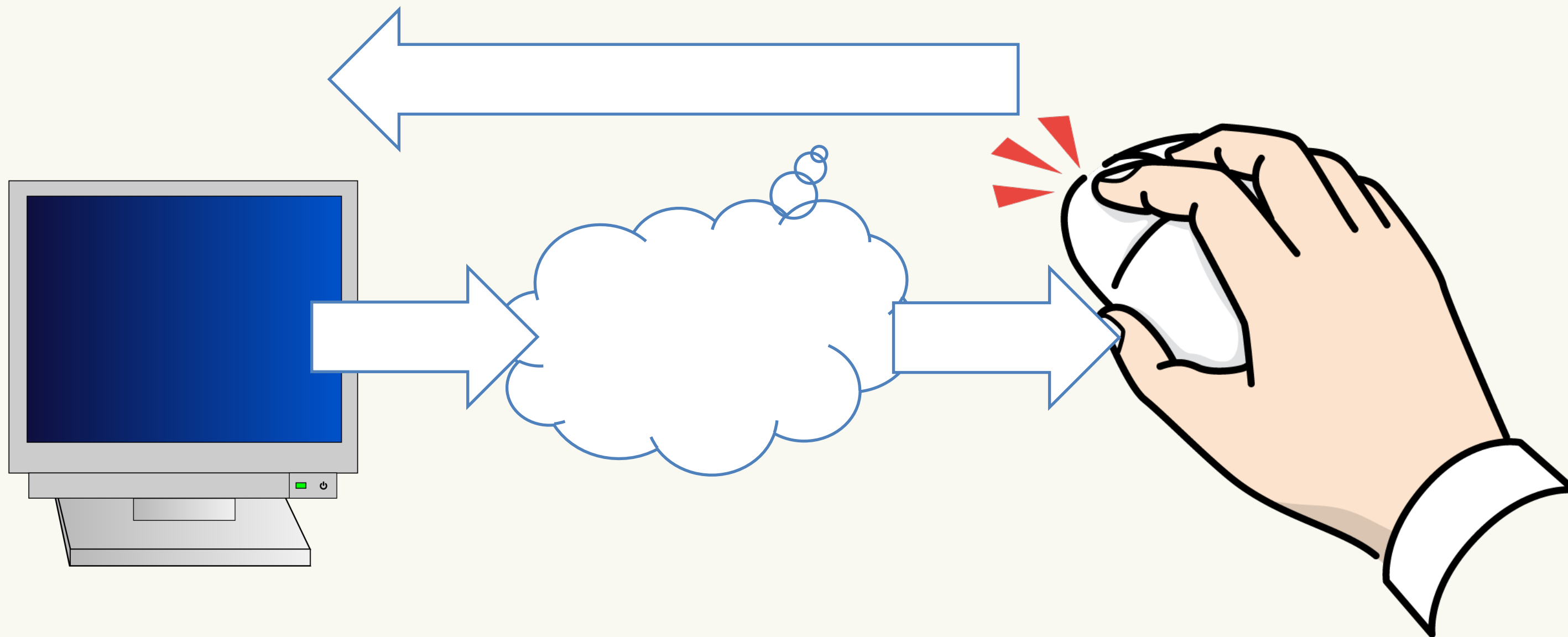
Pilot

Field

Operational



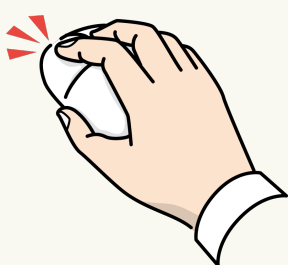
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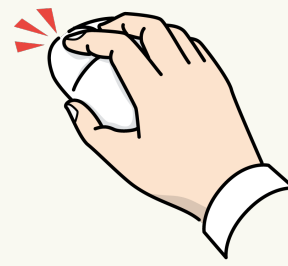



Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Evidence Statements


1. Evaluation – Is this joke actually funny?

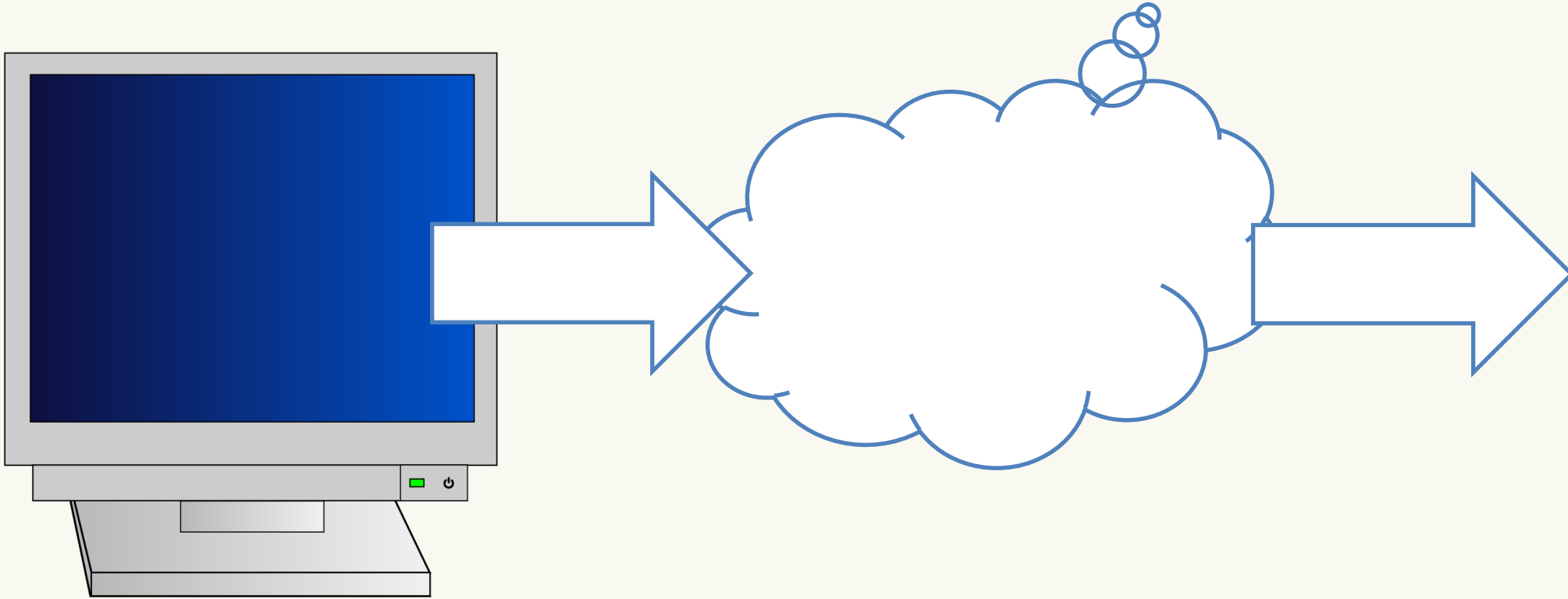
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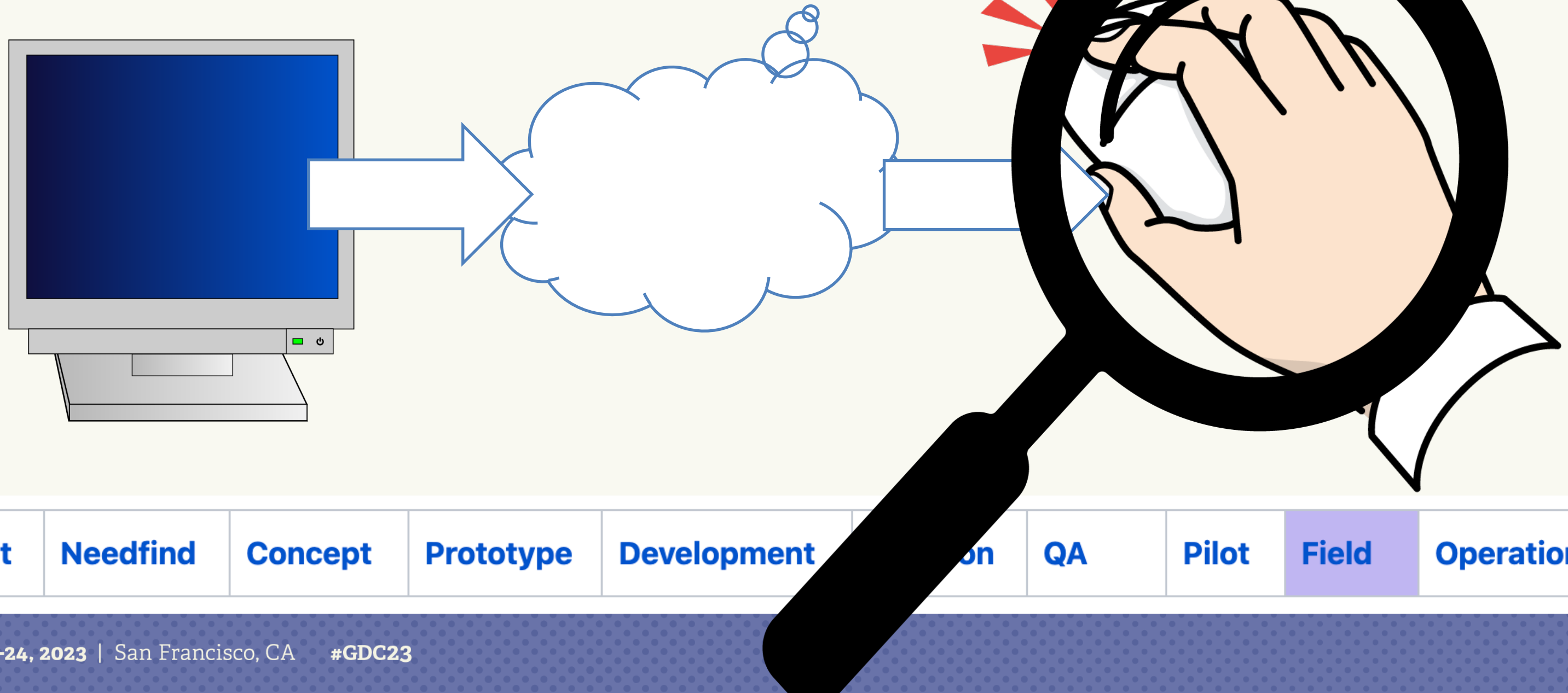
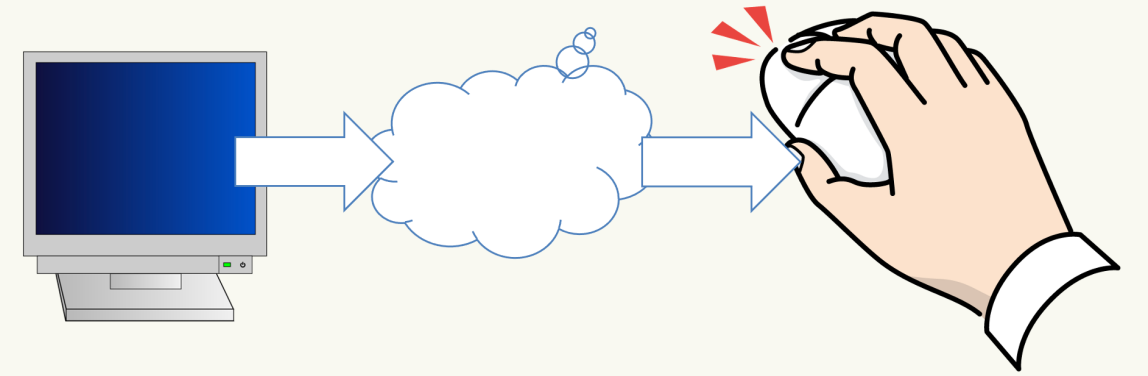
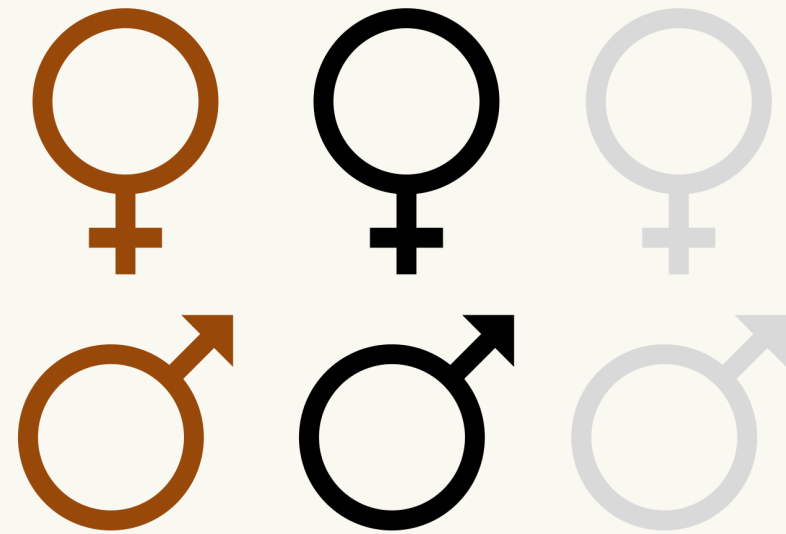
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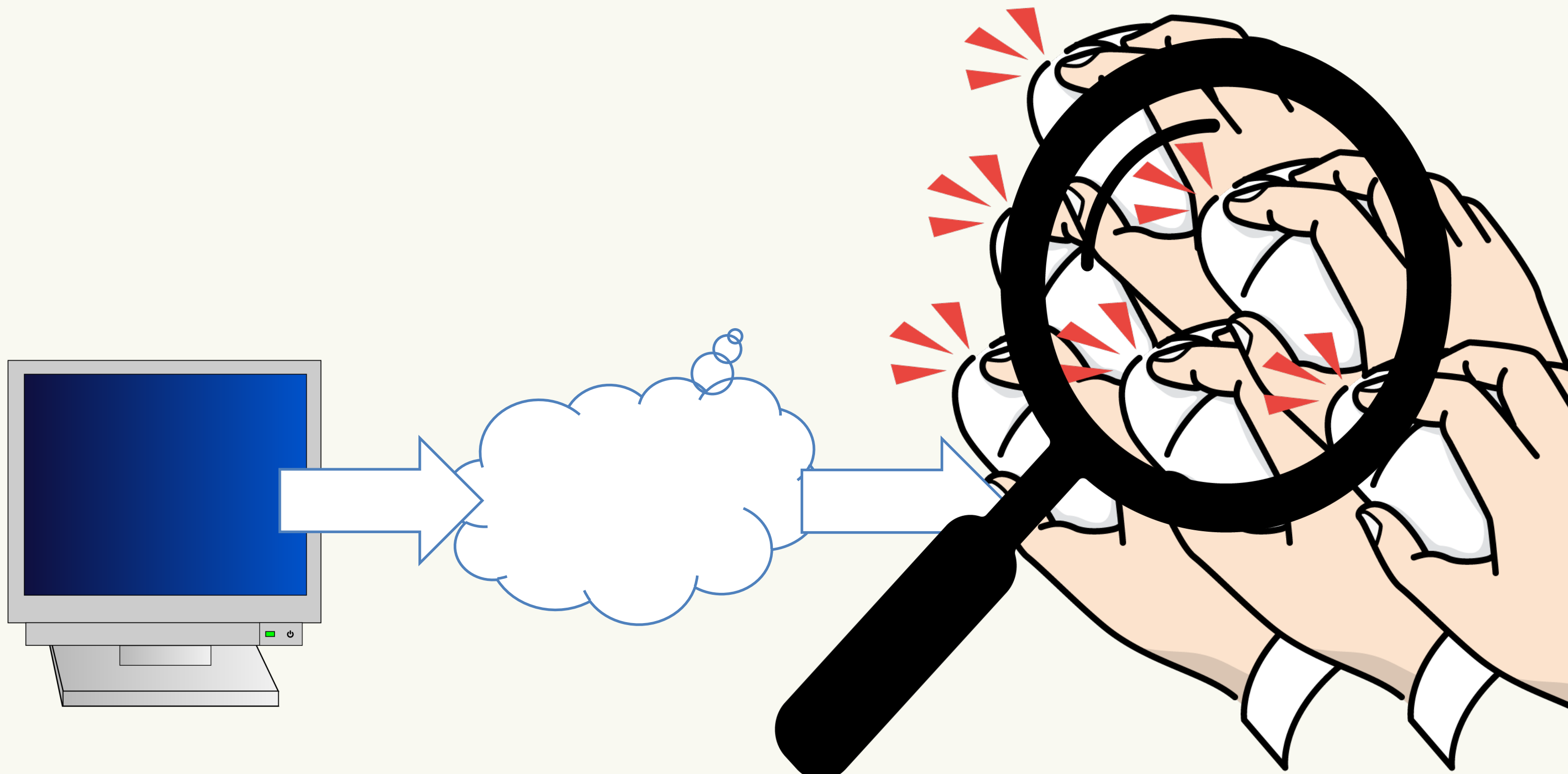
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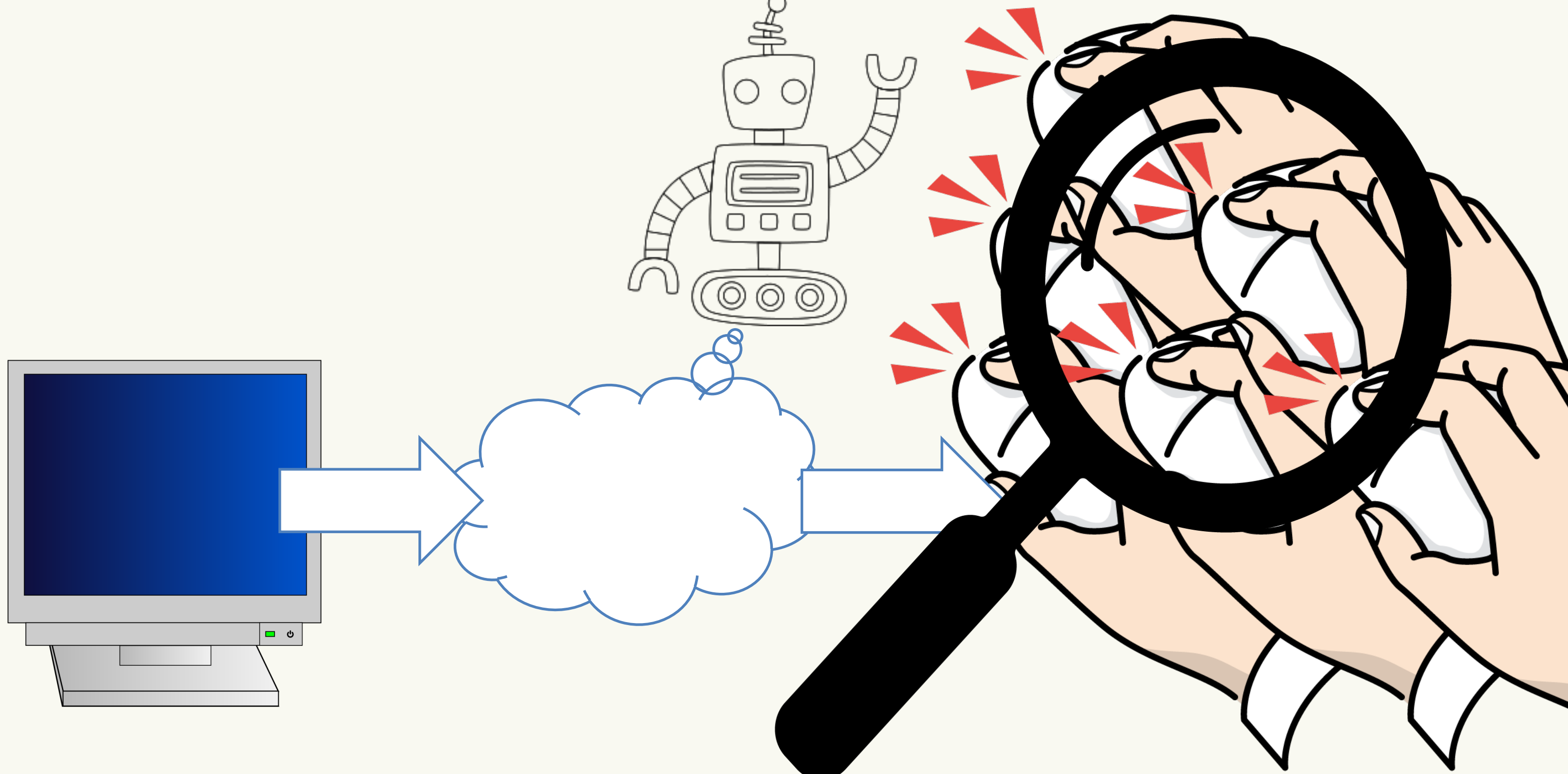
Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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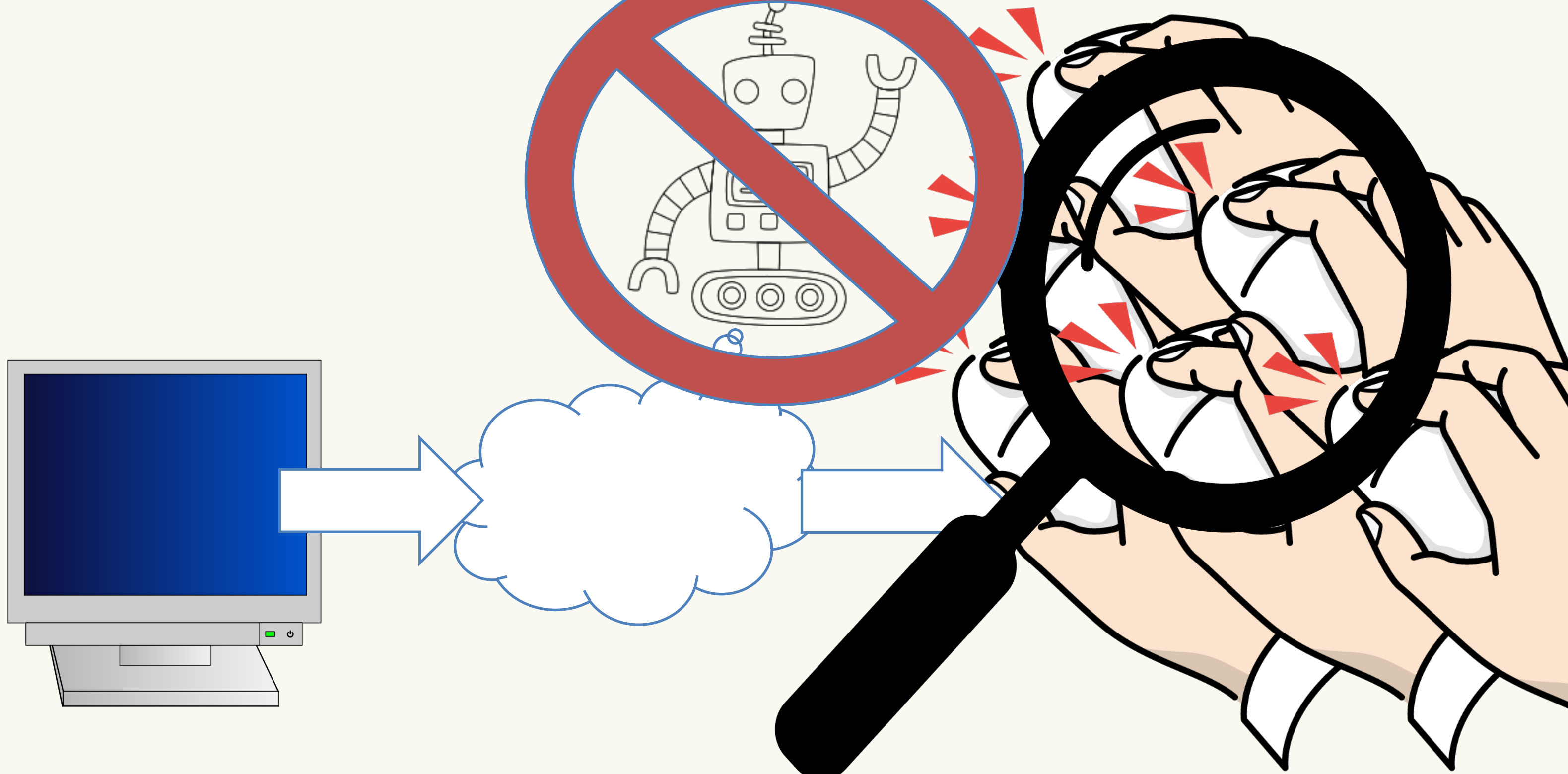
Request	Needfind	Concept	Prototype	Development	on	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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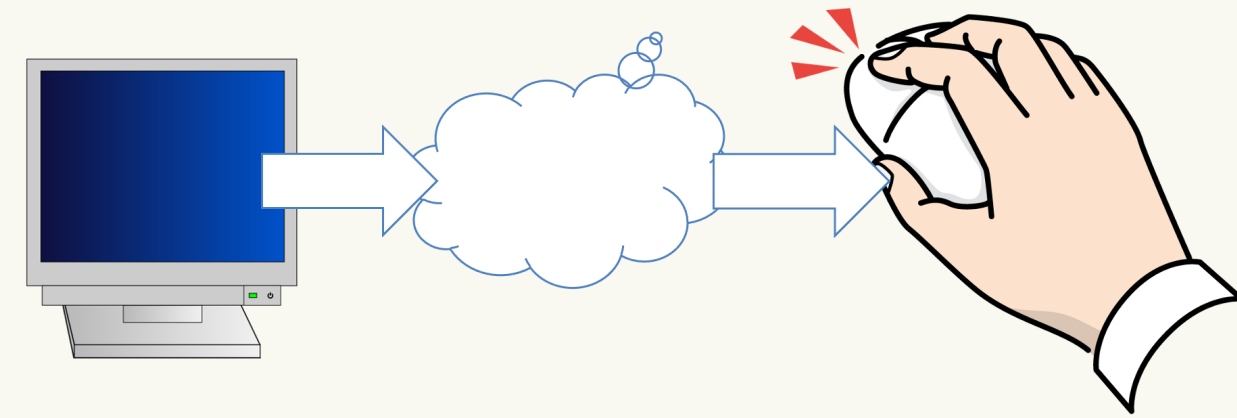
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Request	Needfind	Concept	Prototype	Development	Iteration	QA	Pilot	Field	Operational
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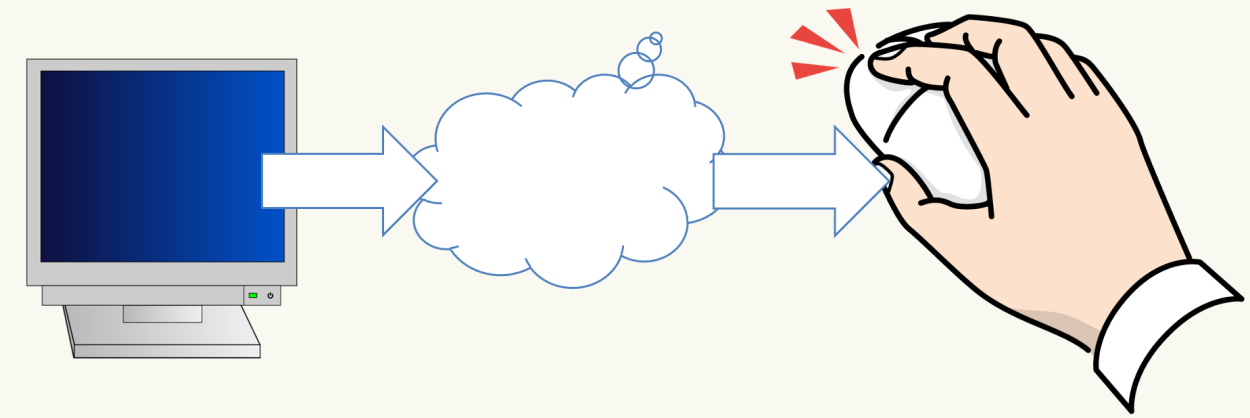
Assessment Games

1. It's all about the scores



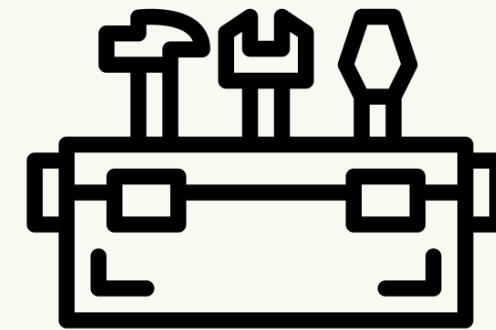
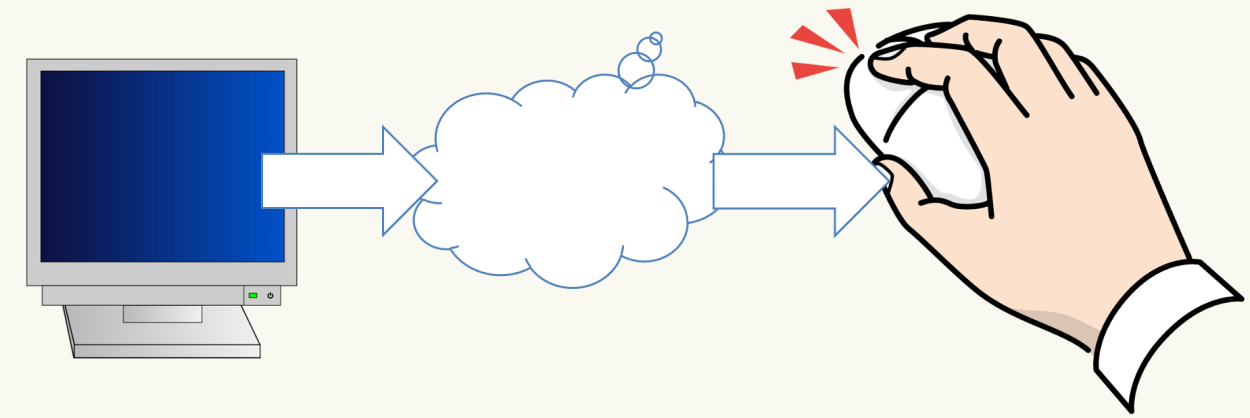
Assessment Games

1. It's all about the scores
2. Integrate experts, not add



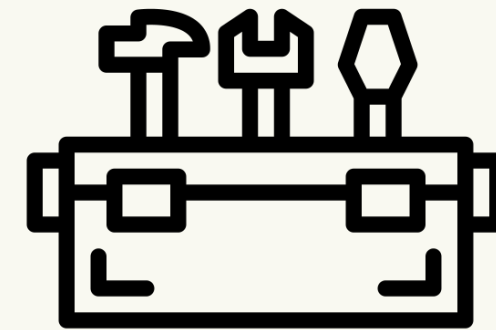
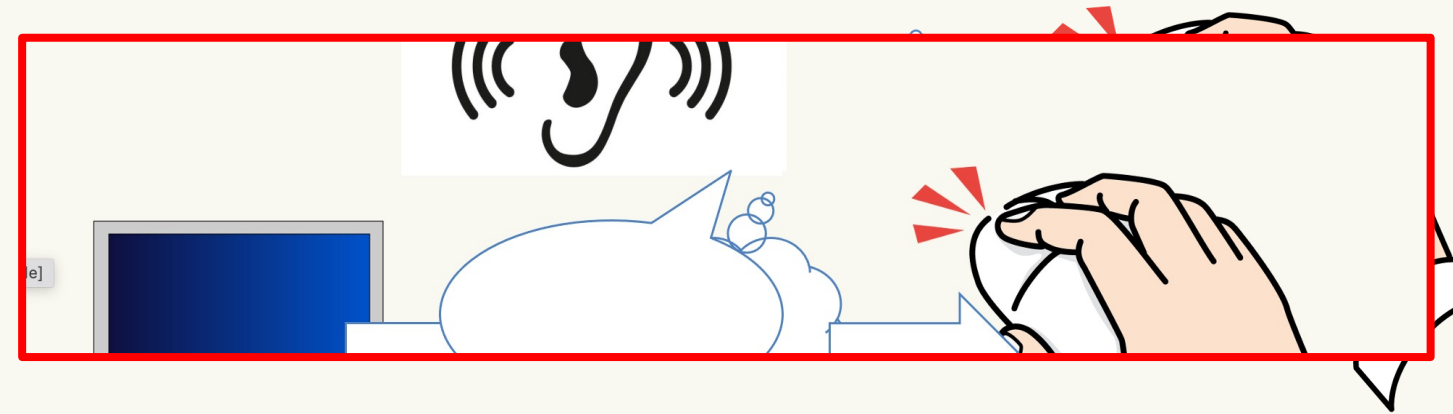
Assessment Games

1. It's all about the scores
2. Integrate experts, not add
3. Break your design habits



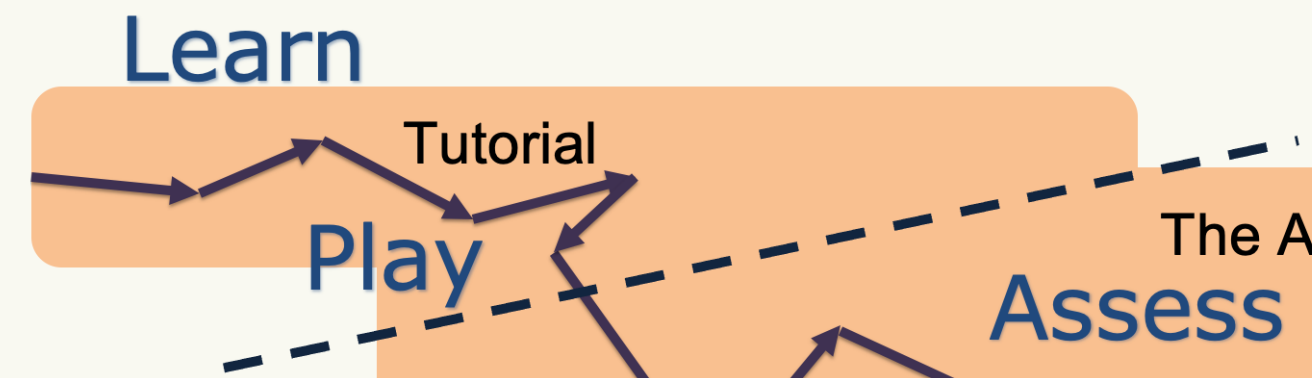
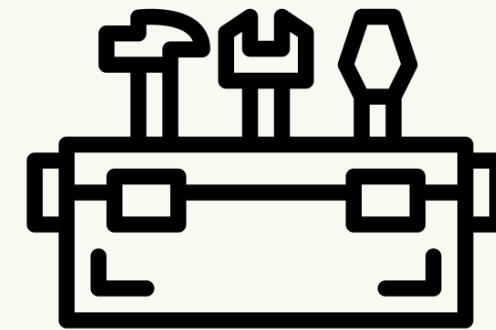
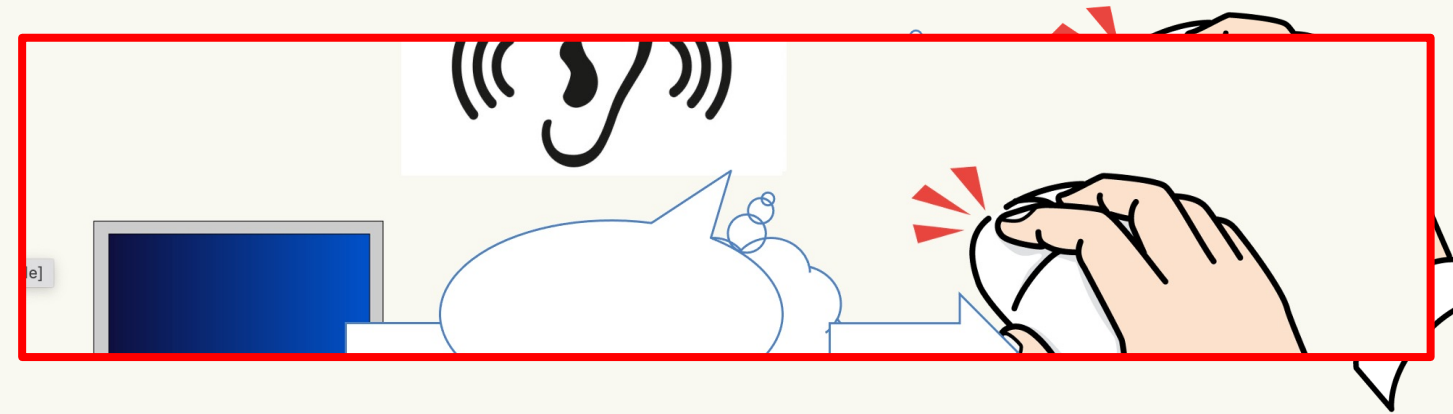
Assessment Games

1. It's all about the scores
2. Integrate experts, not add
3. Break your design habits
4. Read minds by listening



Assessment Games

1. It's all about the scores
2. Integrate experts, not add
3. Break your design habits
4. Read minds by listening
5. Tutorials are hard



Tom Smith
Game Designer at Roblox

I also work on the education team – if you want to make educational experiences, talk to me!

I also teach at Moorpark College!
Teaching is great!

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www.linkedin.com/in/tomsmith/

The Roblox logo, featuring the word "ROBLOX" in a bold, black, sans-serif font. The letter "O" is replaced by a blue square with a white diagonal line.

A New Era of Teaching and Learning

Our team is dedicated to helping educators harness the power of Roblox to create immersive learning experiences that inspire creativity, collaboration, and critical thinking.