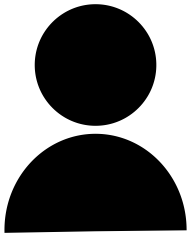
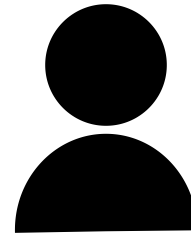


Technical Communication

Technical Communication

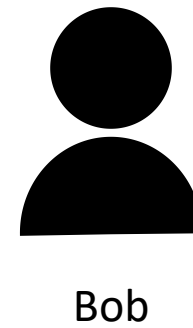
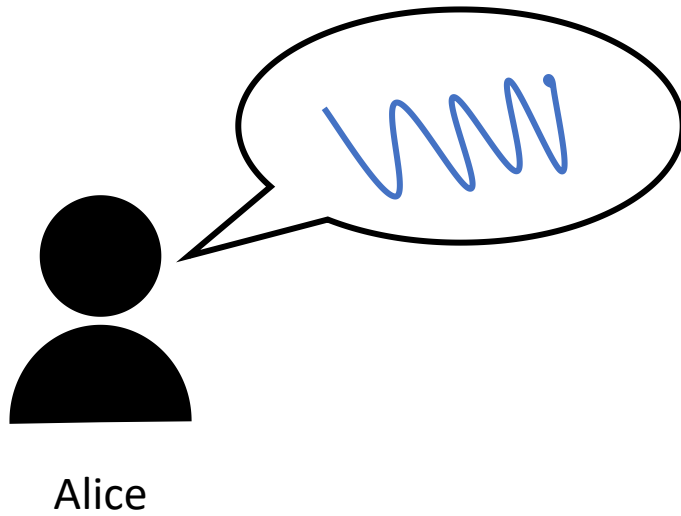


Alice

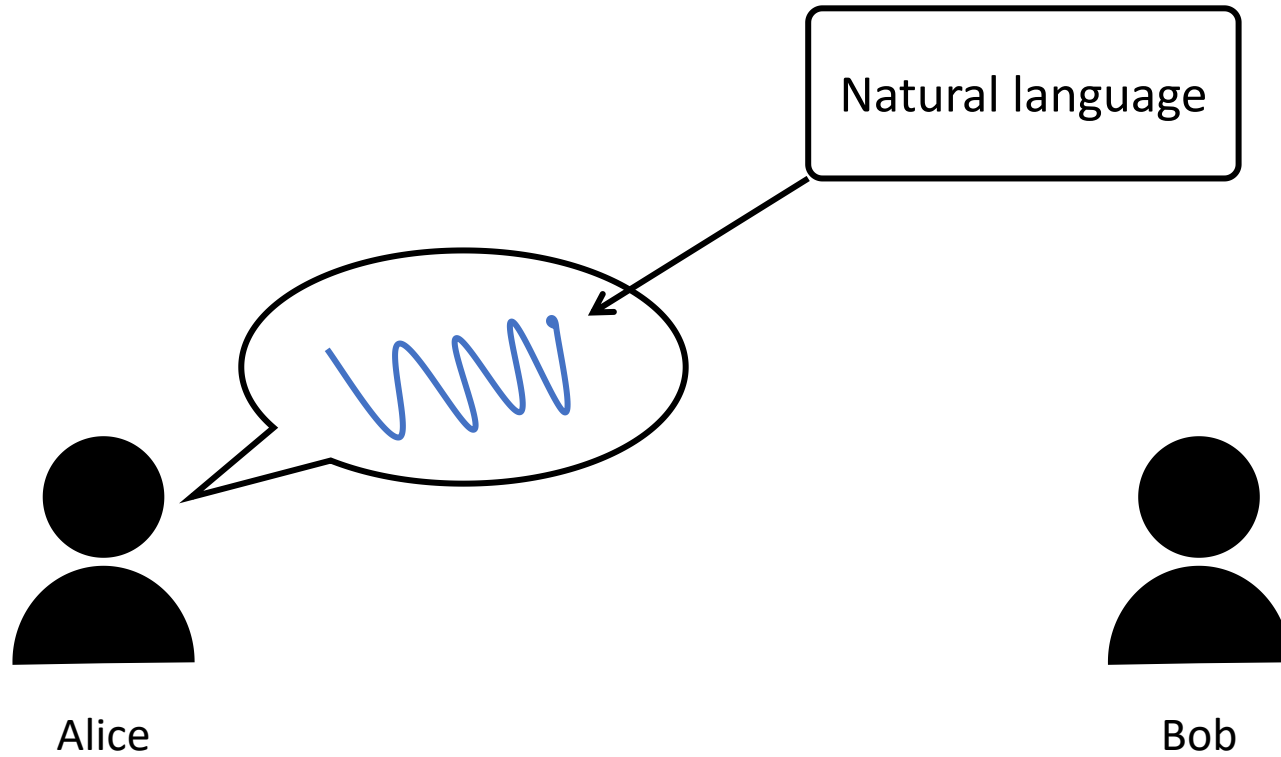


Bob

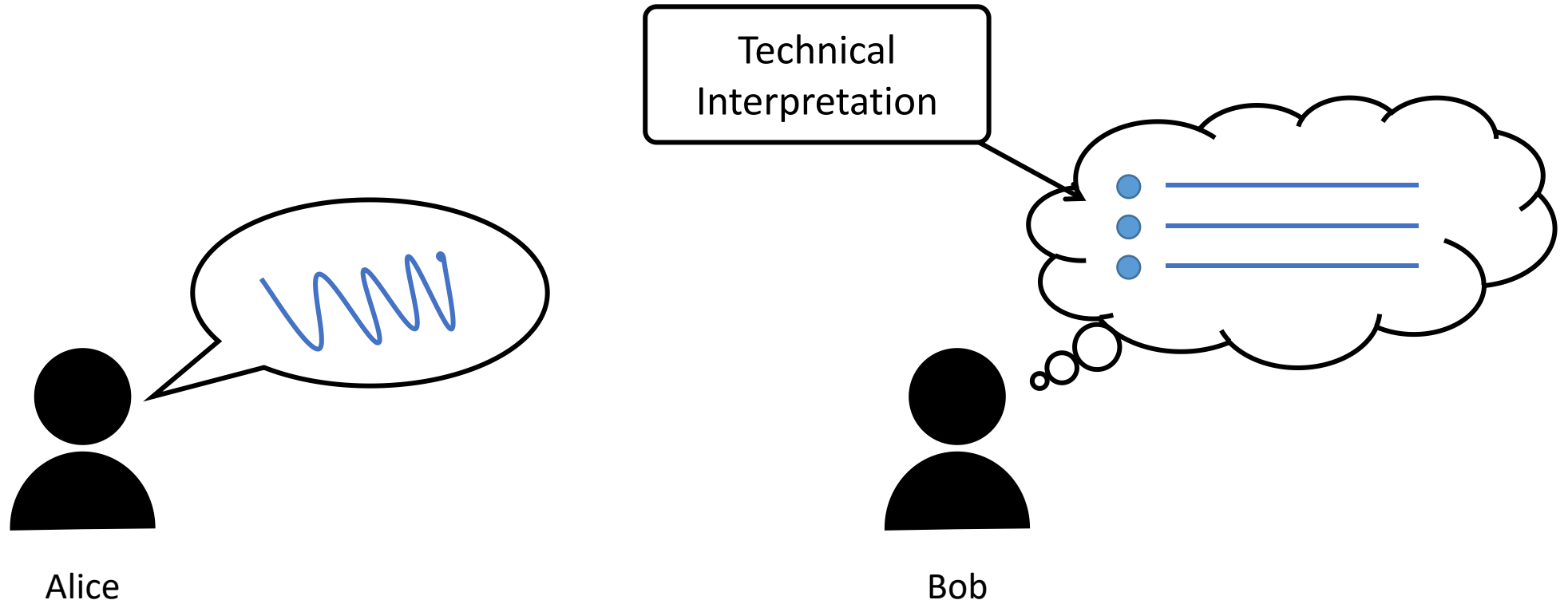
Technical Communication



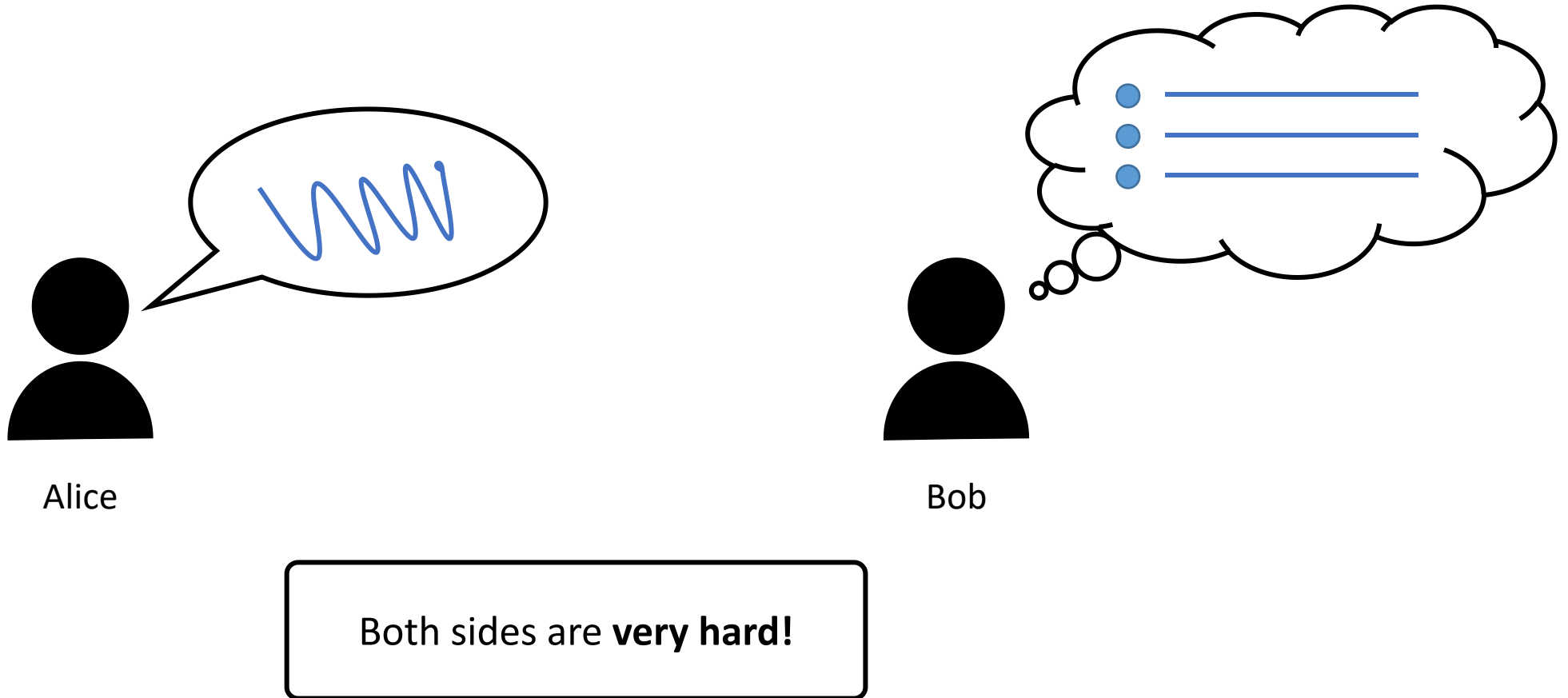
Technical Communication



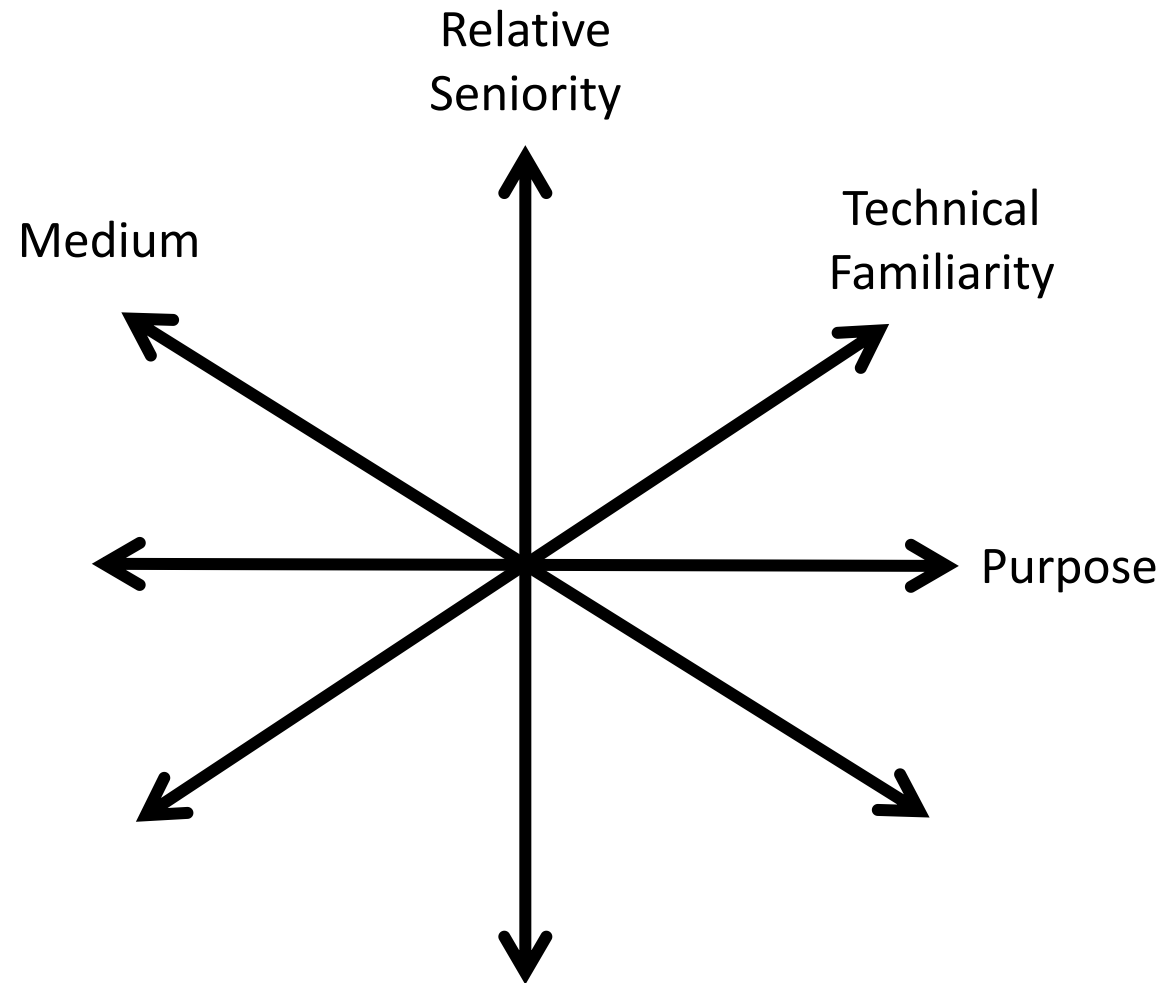
Technical Communication



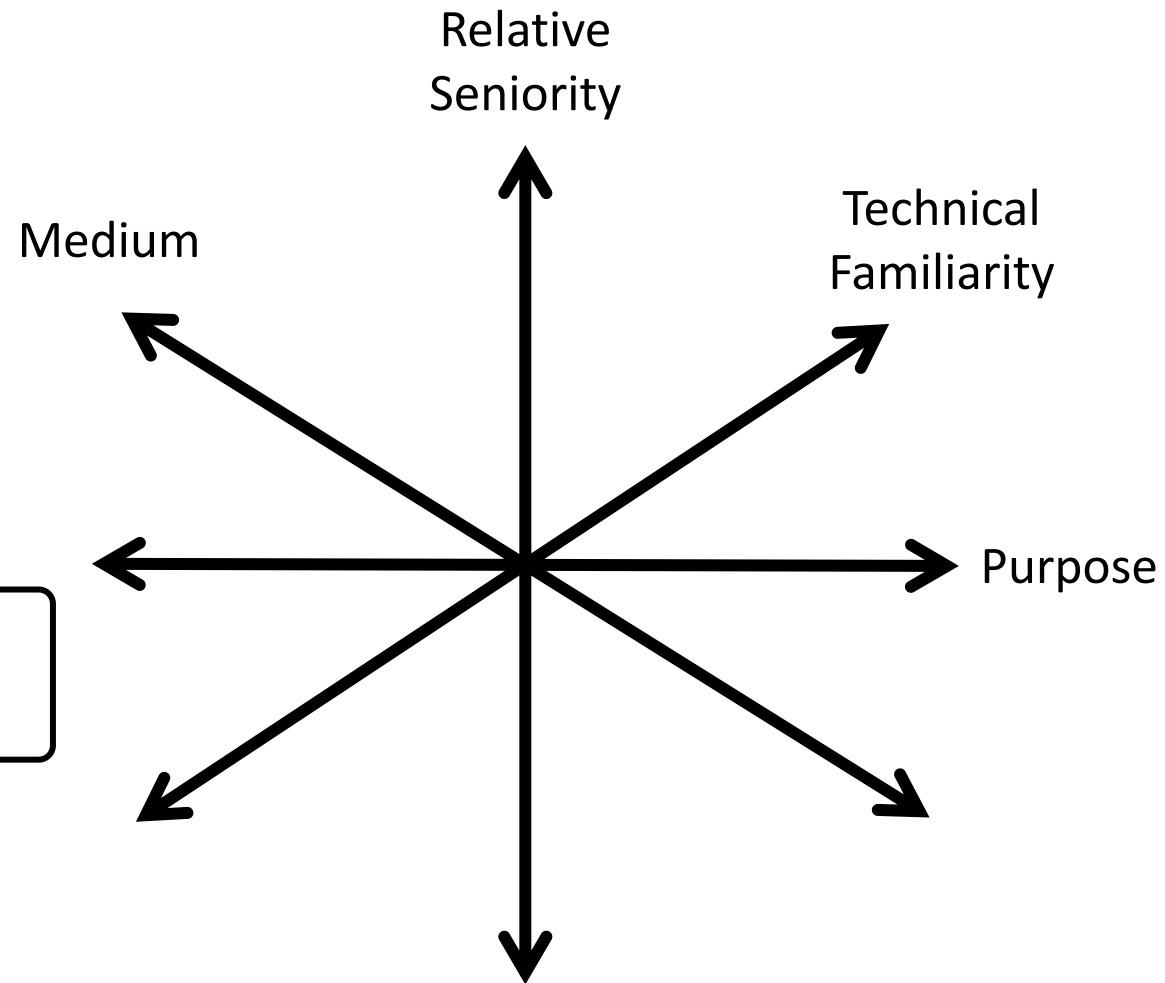
Technical Communication



Technical Communication



Technical Communication



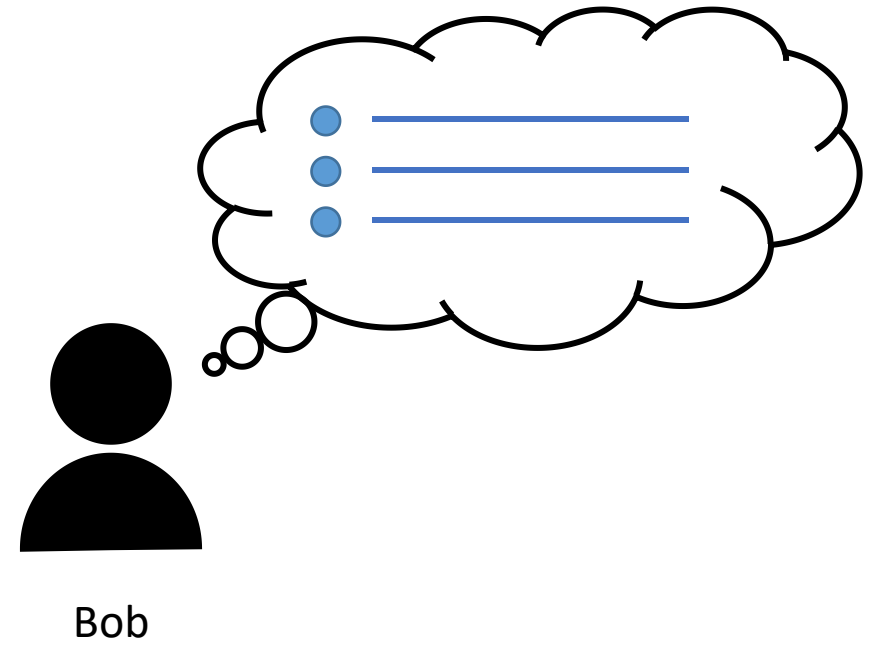
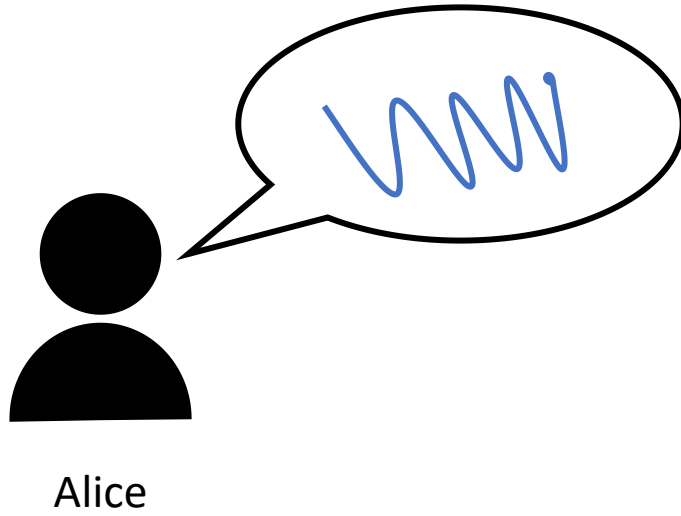
Many axes to consider!

Fundamentals

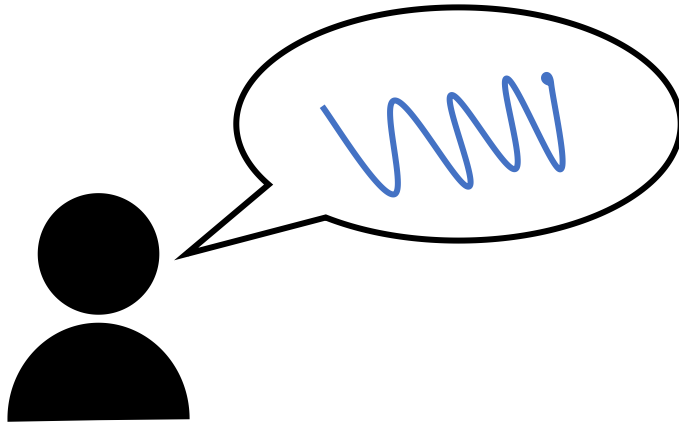
- Be concise and direct
- Know your audience
- Professionalism and etiquette
- Synchronous vs asynchronous communication

Concise & Direct

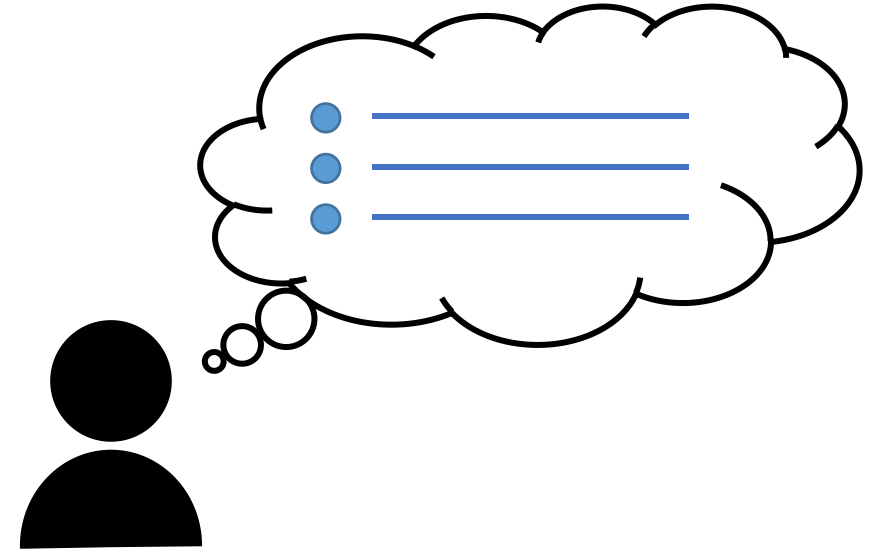
Concise & Direct



Concise & Direct



Alice

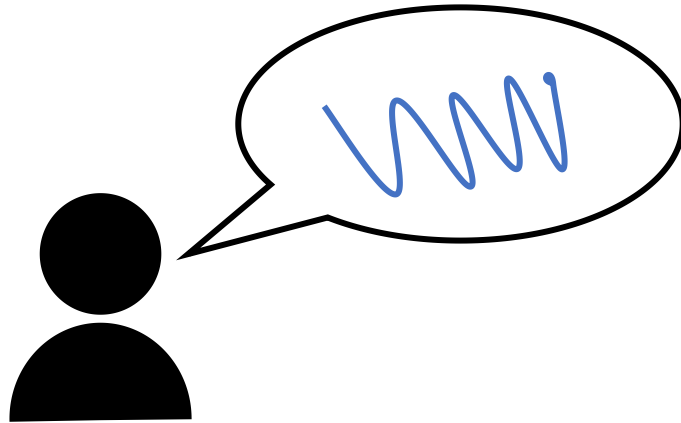


Bob

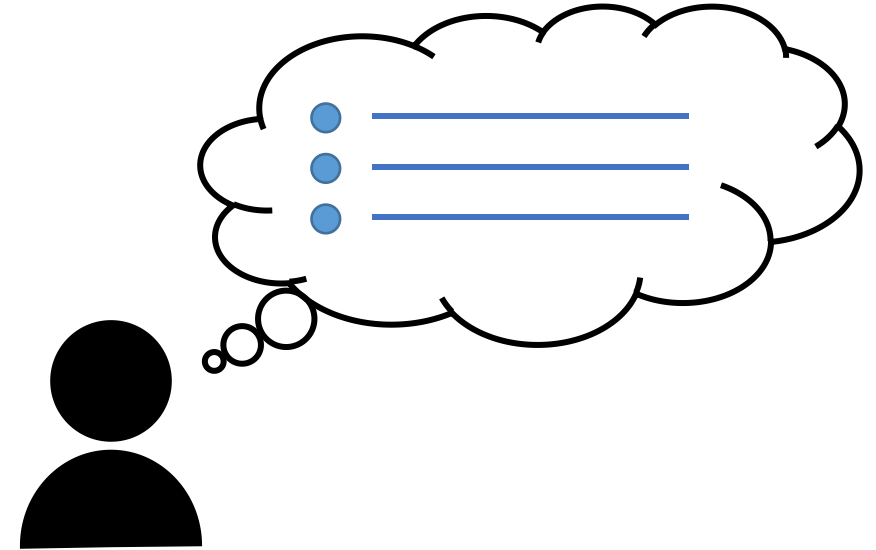
Conciseness is about **information density**

Directness is about **focus**

Concise & Direct



Alice



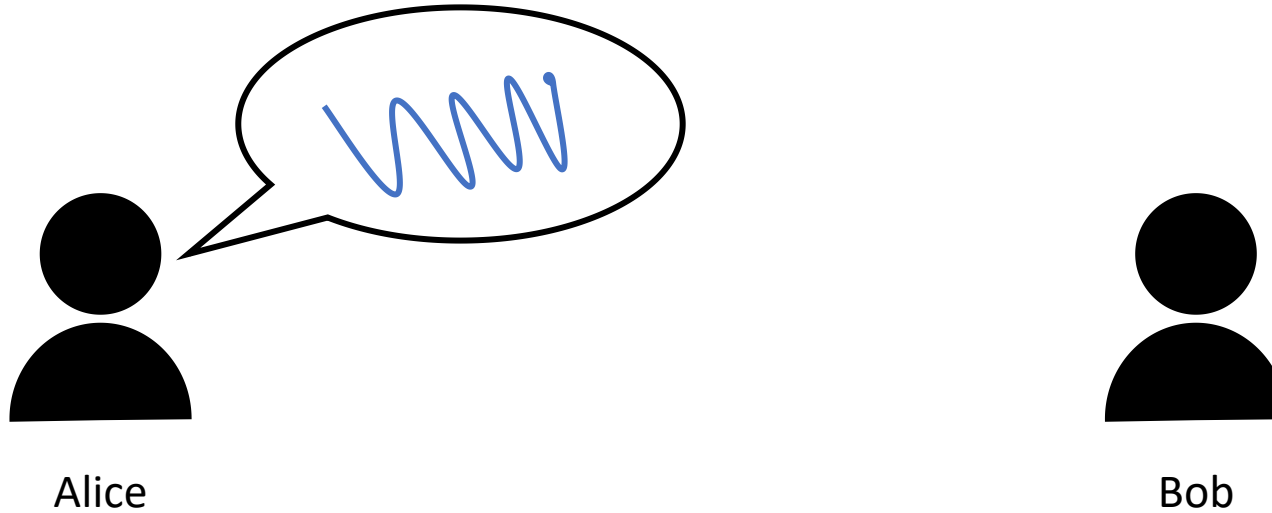
Bob

Conciseness is about **information density**

Directness is about **focus**

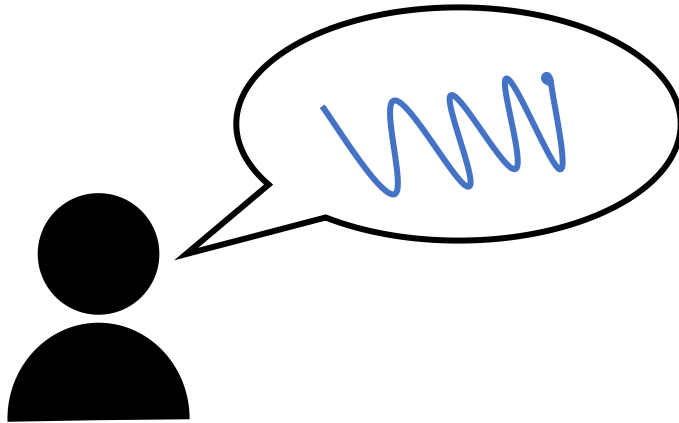
**Ambiguity, changes in message focus, and extra information all create cognitive overhead.
The risk is that your message will be lost!**

Concise & Direct

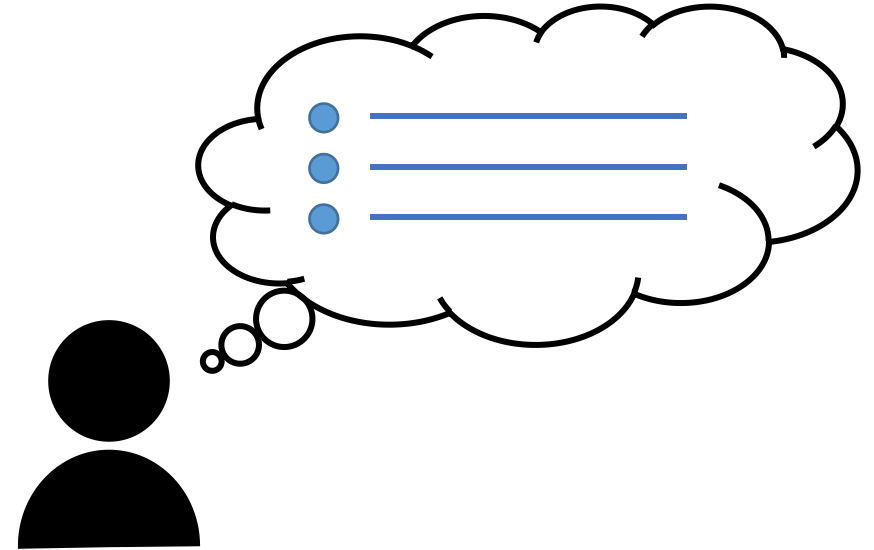


Hey so I changed how the build tool was being invoked (basically, it used to be that you had to run the setup script with sudo separately, then run the actual build where we're compiling untrusted code without privileges), and now it combines it and asks for limited privileges and then revokes them automatically when we get to the untrusted code, but now the build always fails at package X.

Concise & Direct



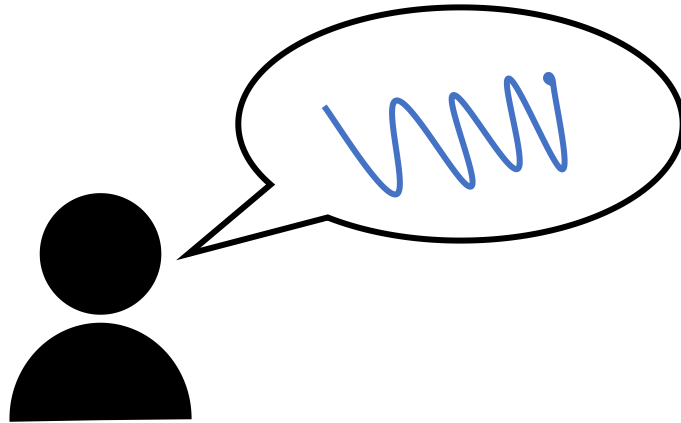
Alice



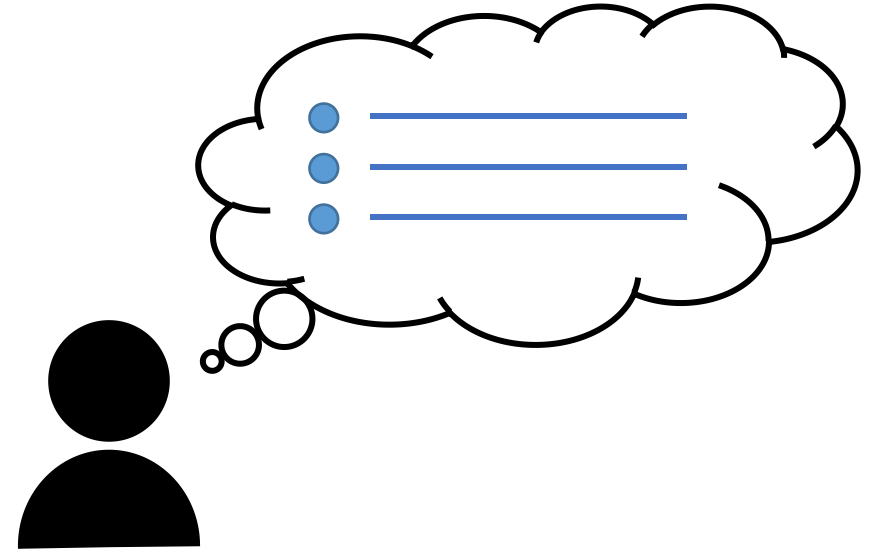
Bob

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Concise & Direct



Alice

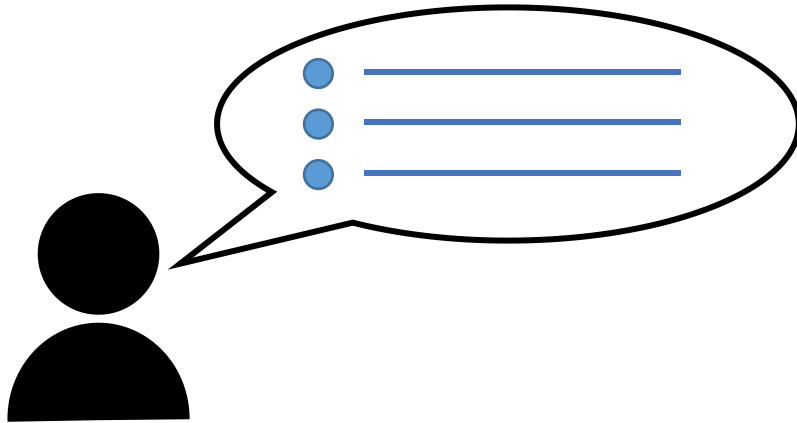


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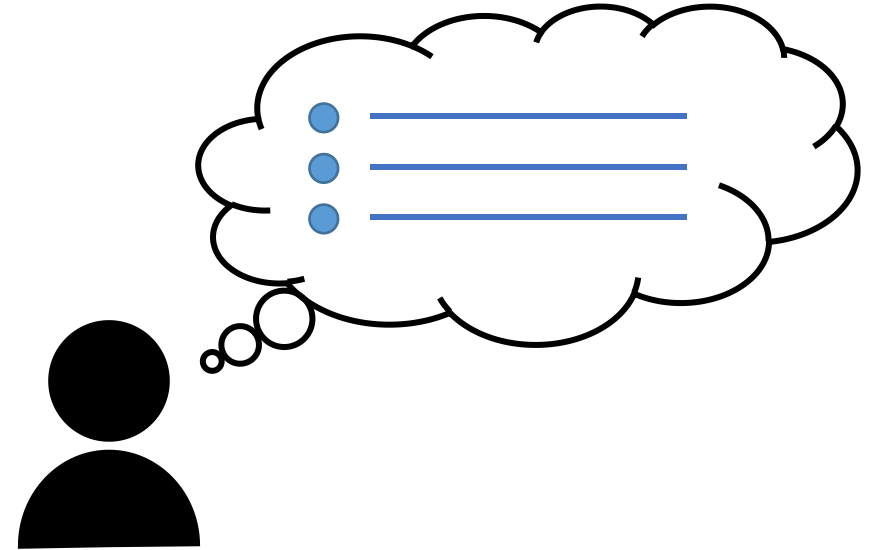
Context reminder,
not new information

Concise & Direct



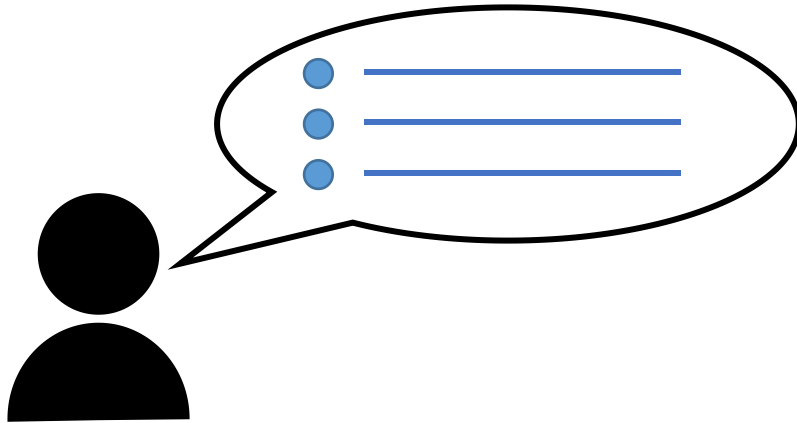
Alice

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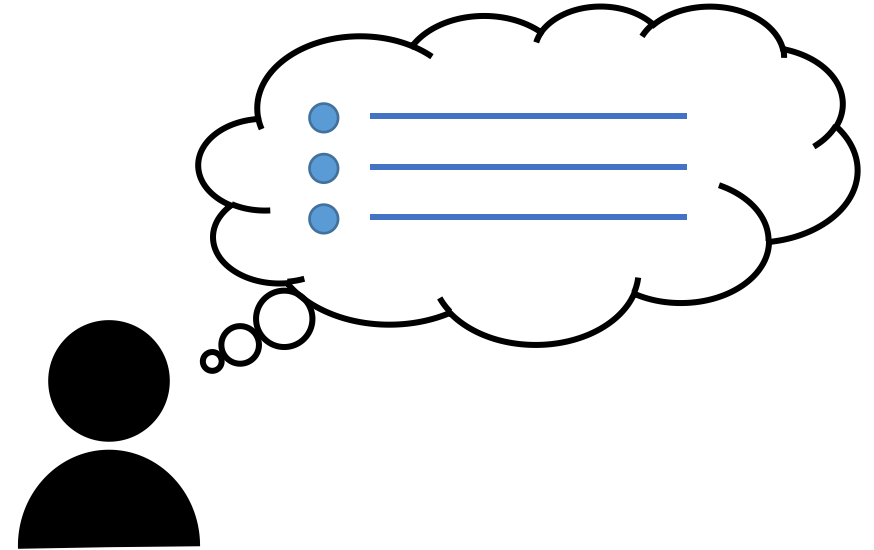
Bob

Concise & Direct



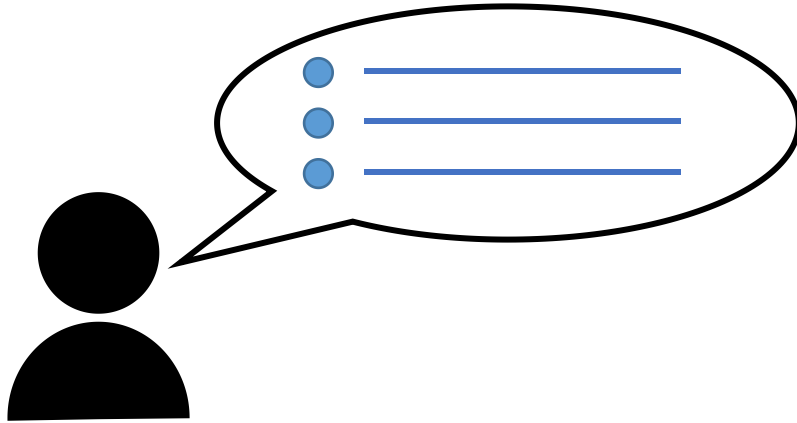
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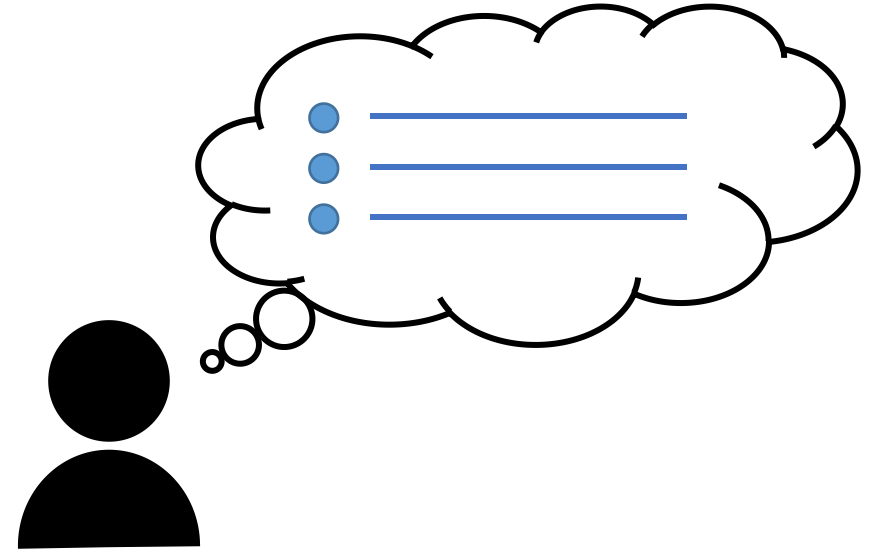


Bob

Concise & Direct



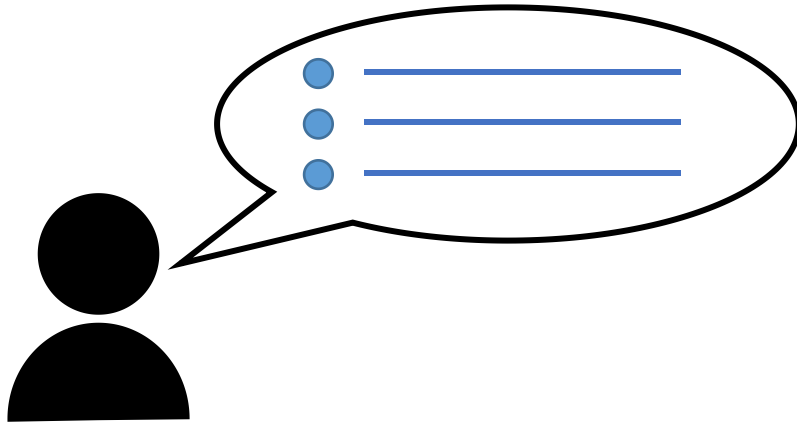
Alice



Bob

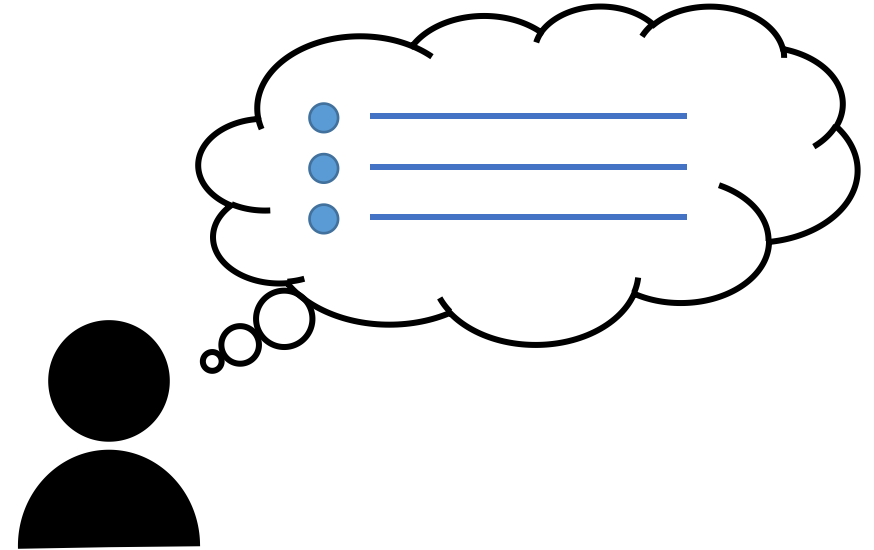
Hey, I'm modifying the build script to handle privileges automatically. It works in dev but it always fails when compiling package X in the test environment. This is the script where there are two manual steps executed with different privileges, by the way. Trying to solve #1234.

Concise & Direct



Alice

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Bob

Conciseness is about **information density**

Directness is about **focus**

How to be Concise & Direct

- Identify your message

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 - e.g., a build script change causes package X fails to build in test

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 - e.g., why: to fix #1234, what: the specific build script that was modified

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 - e.g., a build script change causes package X fails to build in test
- Identify the relevant context
 - Why/when/what/how
 - e.g., why: to fix #1234, what: the specific build script that was modified
- State both as simply as you can, with as few extraneous words as possible
 - e.g., no adverbs, no adjectives, present tense wherever possible
 - If it's a few short sentences, you don't need linking/transition words
 - Lists/structure can help too

How Concise & How Direct

Hey, I'm modifying the build script to handle privileges automatically. It works in dev but it always fails when compiling package X in the test environment. This is the script where there are two manual steps executed with different privileges, by the way. Trying to solve #1234.

Handling privileges automatically in script Y causes package X to fail compiling in test but not dev

- script Y at /path/to/scriptY
- auto privilege handling fixes #1234

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a slack message

Handling privileges automatically in script Y causes package X to fail compiling in test but not dev

- script Y at /path/to/scriptY
- auto privilege handling fixes #1234

a bug report

Identifying Your Message & Context

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		Purpose	
		persuade	explain
Audience	colleague		
	customer/ management		

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Identifying Your Message & Context

Purpose

persuade

explain

colleague

customer/
management

Audience

What do they
need to know?

Identifying Your Message & Context

Purpose

persuade

explain

colleague

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What do they
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Audience

Identifying Your Message & Context

		Purpose	
		persuade	explain
Audience	colleague		what code did you change, why, and what are the technical consequences?
	customer/ management		

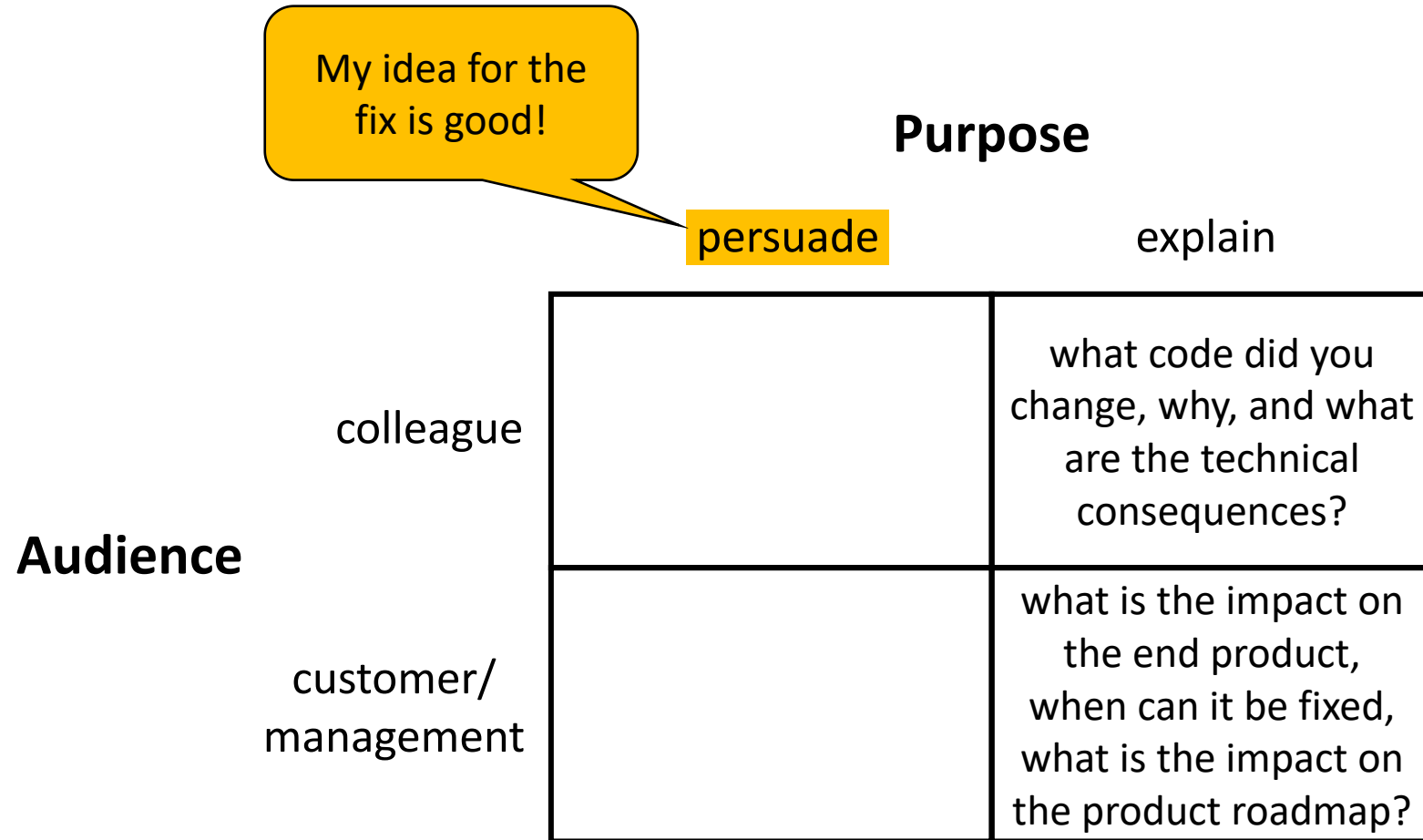
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Identifying Your Message & Context

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Audience	colleague		what code did you change, why, and what are the technical consequences?
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Identifying Your Message & Context

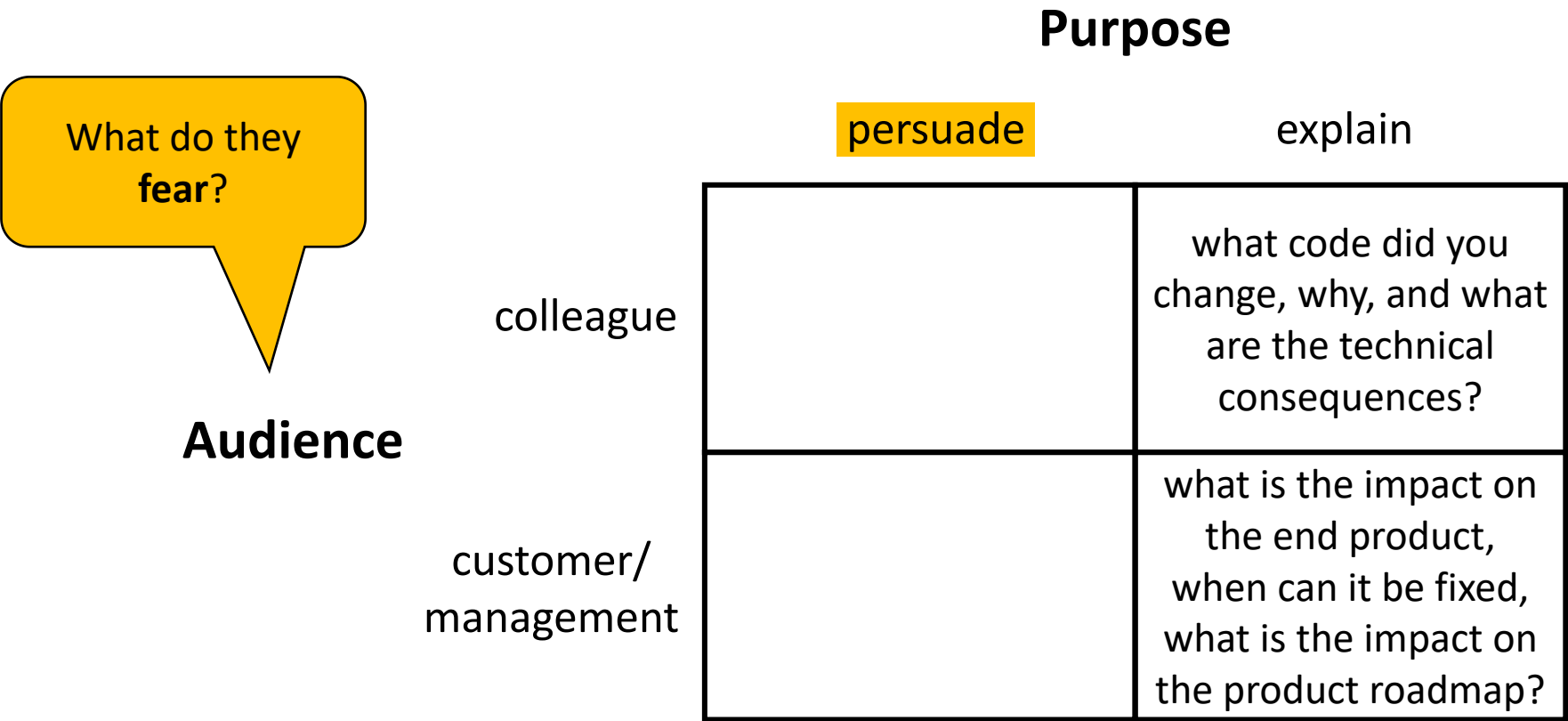


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What do they **want** to know?

Identifying Your Message & Context



Identifying Your Message & Context

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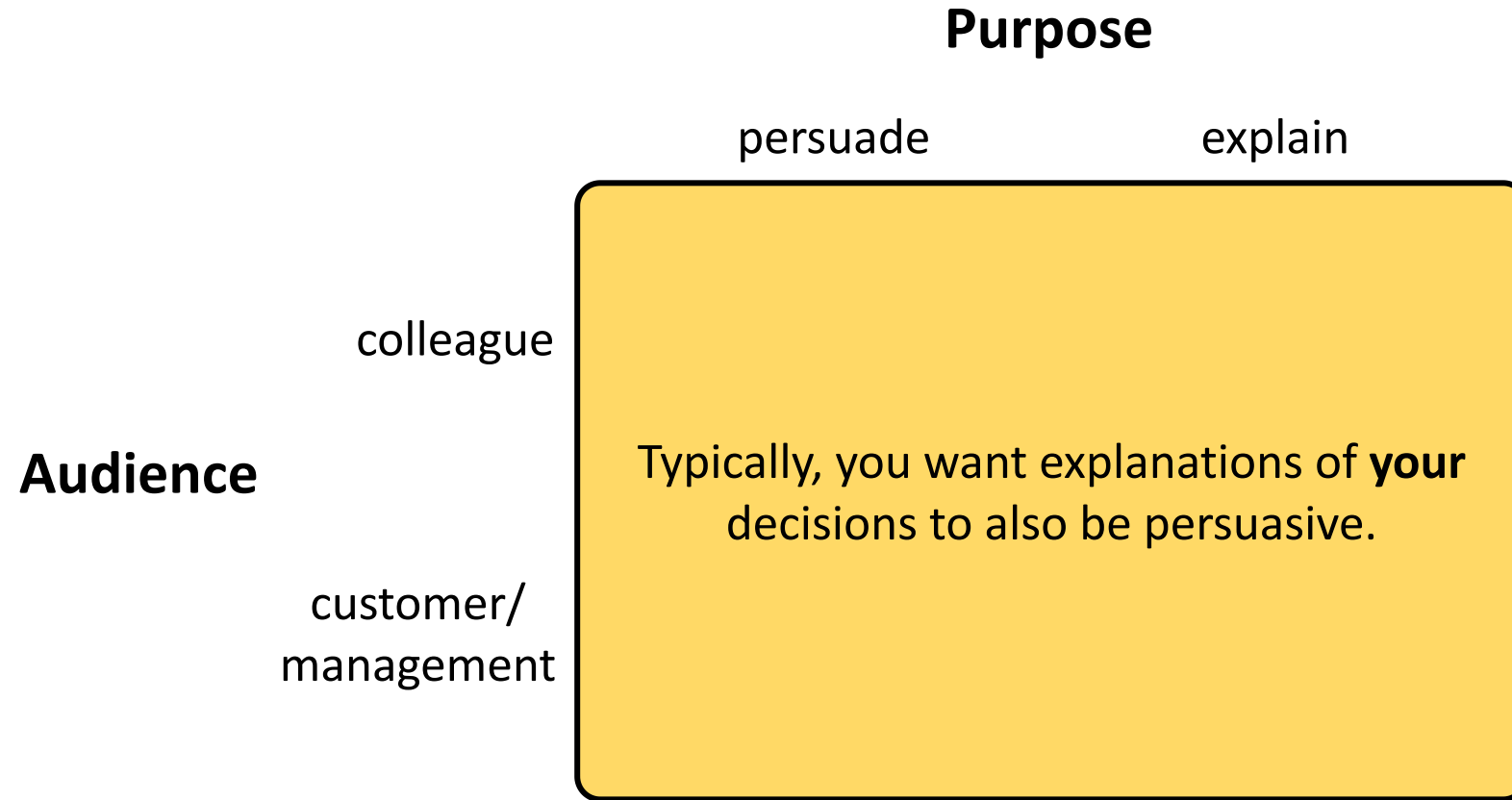
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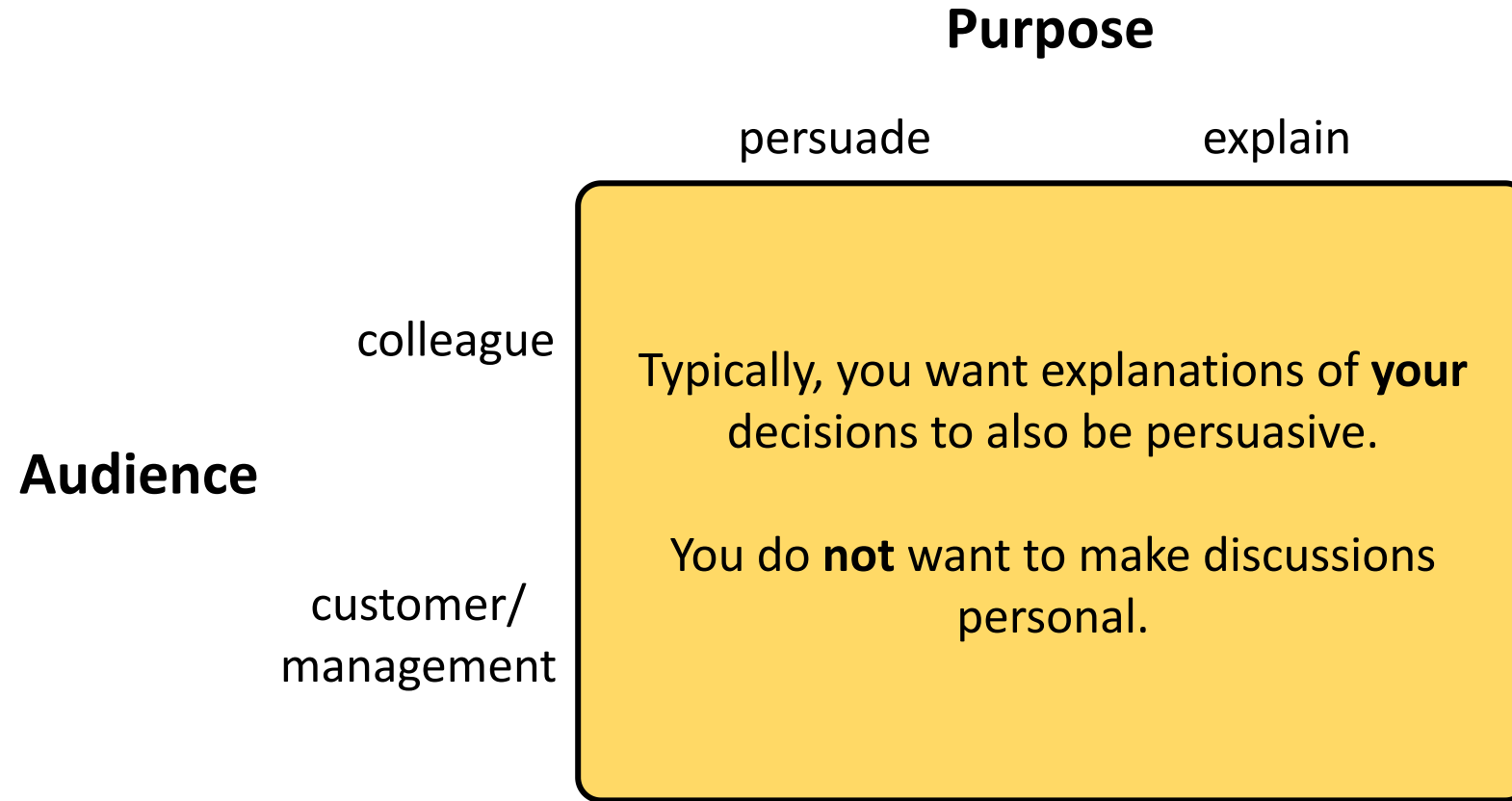
a slack message

a bug report

Identifying Your Message & Context



Identifying Your Message & Context



Zero Blame Culture

**Everybody makes mistakes,
regardless of skill level.**

**Software can always be
improved.**

Zero Blame Culture

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Software can always be
improved.



It is never productive to focus
on **who** made a mistake:

- Anybody on the team could
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- The problem needs solving

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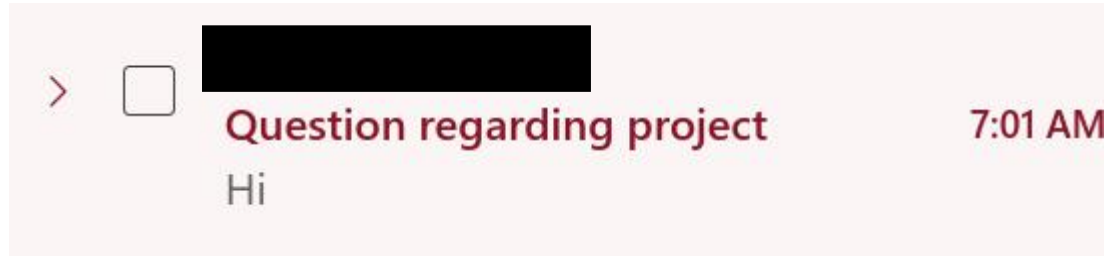
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People are more important than software!!

Synchronous vs Asynchronous Communication

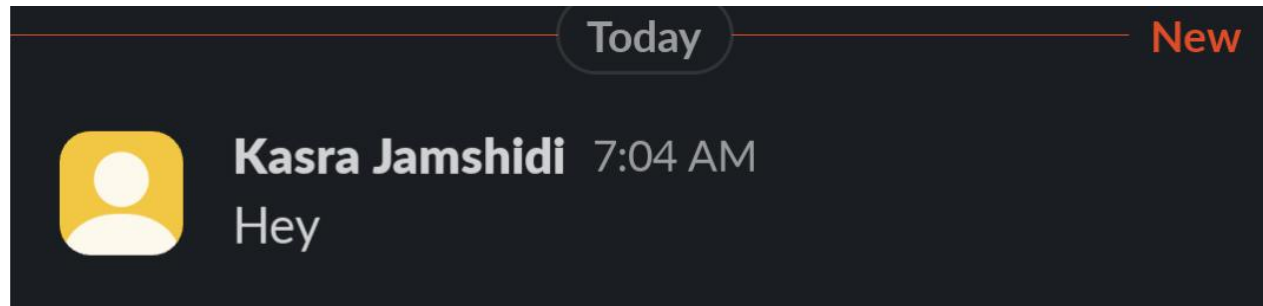
Synchronous vs Asynchronous Communication



Synchronous vs Asynchronous Communication



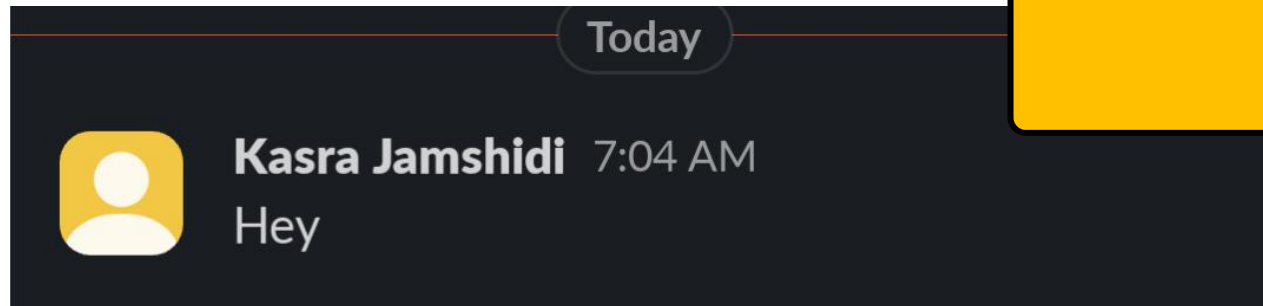
Synchronous vs Asynchronous Communication



Synchronous vs Asynchronous Communication



**In asynchronous communication channels,
minimize back and forth!**



Prioritize More Senior People's Time

- The resident expert on a topic will get 10's or 100's of questions
- If you need their help, be conscientious of their time
- Don't make them constantly ask for more context
- Don't ask for a meeting or call if it's not absolutely necessary

Summary

- Be concise (keep your communications dense with information)
- Be direct (keep your sentences and paragraphs focused)
- Know your audience and your intent
- Focus on what you can change (the codebase, not people)
- Be conscientious of other people's time