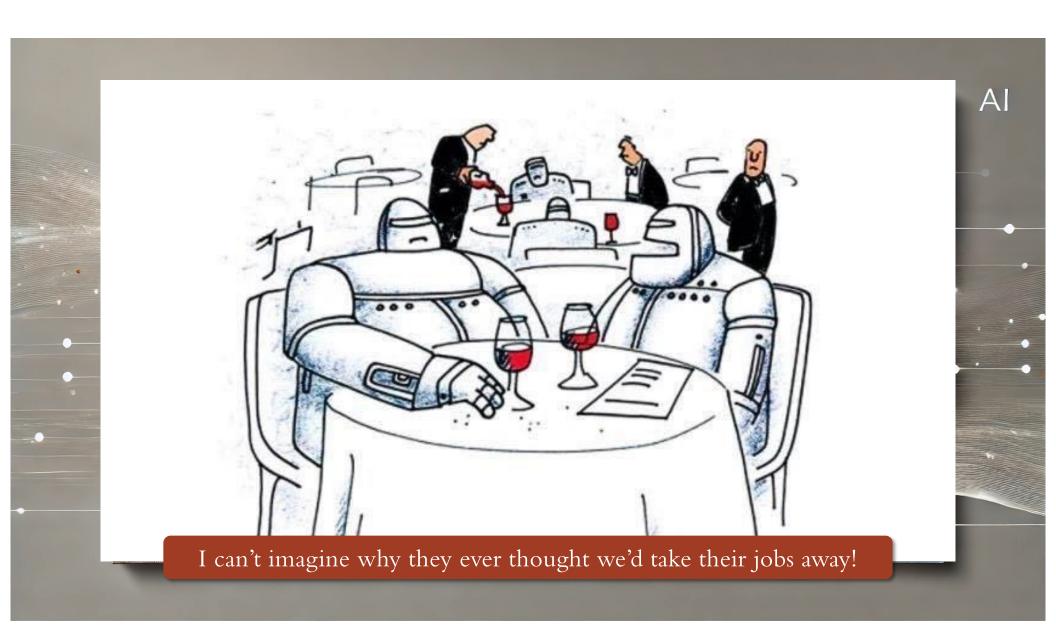
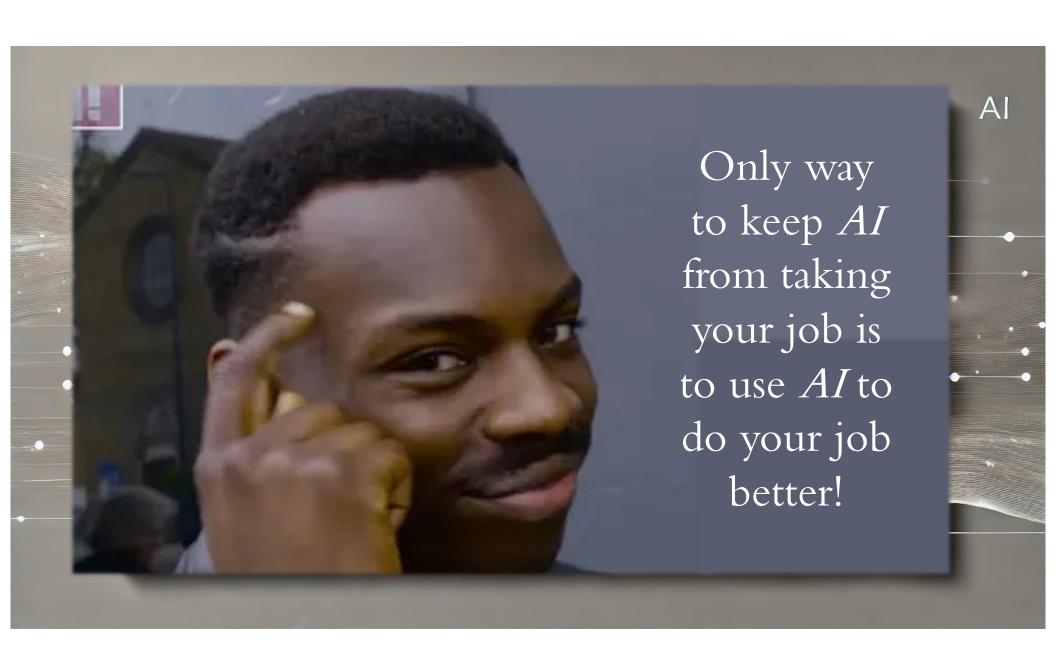


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OBJECTIVES

- What is AI?
- What can it do?
- Potential Uses of AI in Test Development
- How do we get AI to do what we want? (effective prompts)
- How can we further leverage AI? (AI Bots)











"the use of physical action to alter the information processing requirements of a task so as to reduce cognitive demand"

(Risko & Gilbert, 2016, p. 677)

Traditional Tools for COGNITIVE OFF-LOADING

NG Al







TO-DO LIST

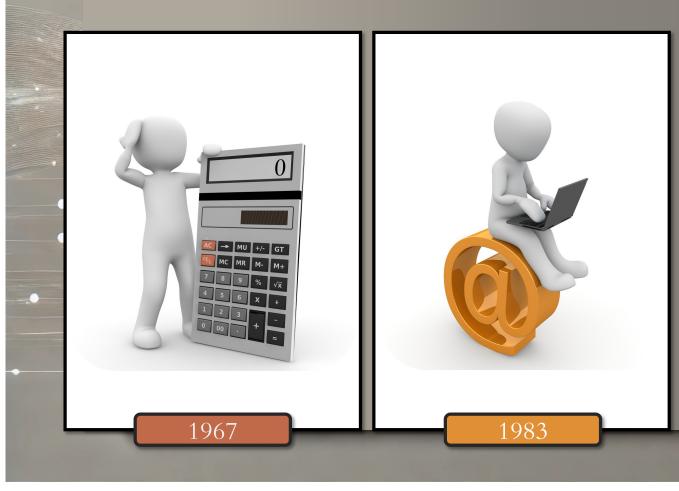


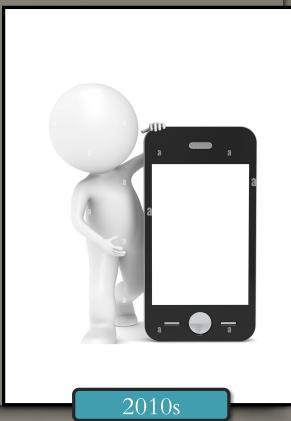
DONE	TASK

346

More Tools for COGNITIVE OFF-LOADING







New Tool for COGNITIVE OFF-LOADING







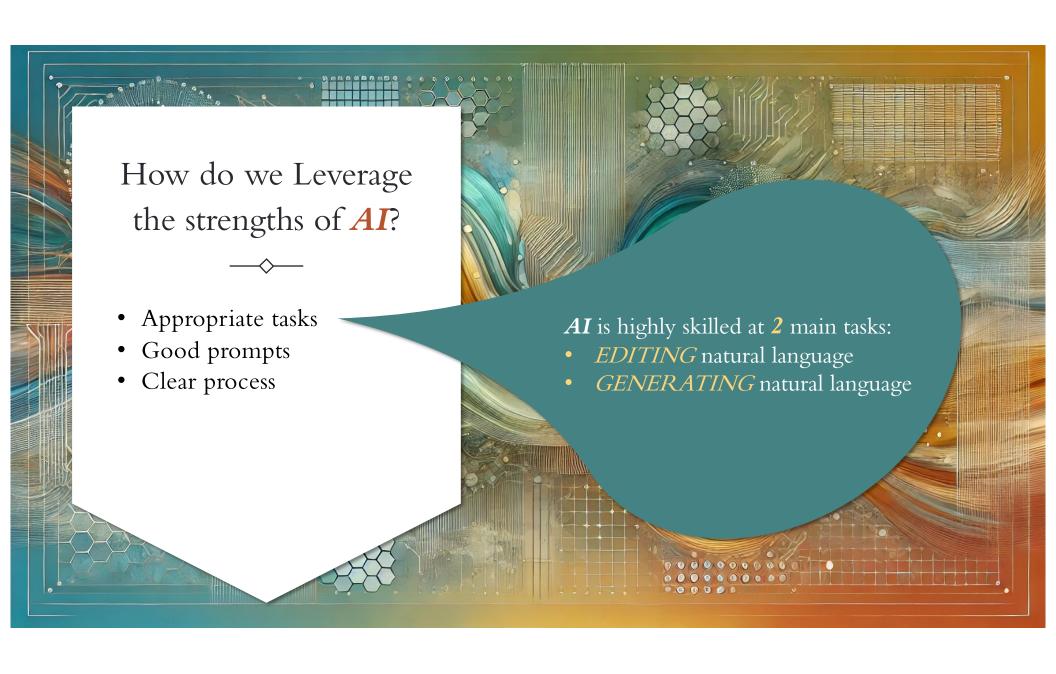
WHAT CAN AI DO?

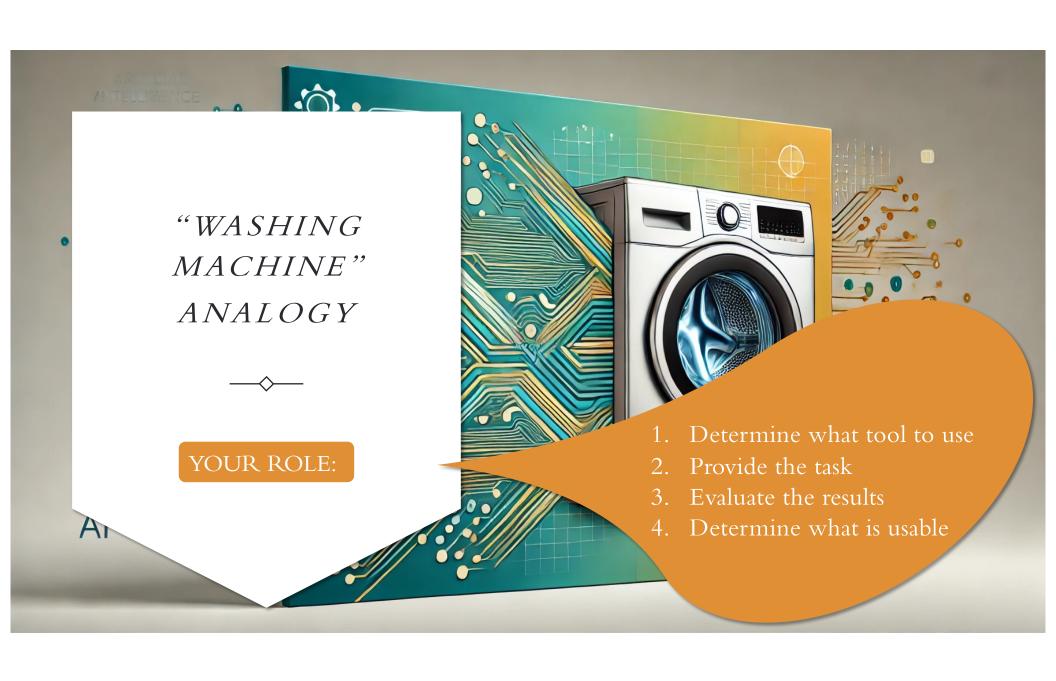
GOOD AT

- Natural language
- Plausible content
- Verbosity
- Editing / generating text
- Pattern replication
- Following a cogent framework

NOT GOOD AT

- Reasoning / logic
- Accuracy / facts*
- O Concision**
- Acting as a search engine
- Computation (e.g., math)
- Generating a cogent framework





Why Chat GPT 40 mini?

- Ubiquitous
- Concepts transferrable
- Some capabilities of full 40 but free

3.5	40 mini	40
Verbose	Less verbose	Least verbose
Natural language	More natural language	Most natural language
Poor logic / reasoning	Better logic / reasoning	Best logic / reasoning★
Free	Free	Paid



- Idea generation
- Item formation / creation
- Item review / analysis
- Passage review / analysis
- Passage editing / generation (DLIELC)

WRITING EFFECTIVE PROMPTS

Prompt 1: Explain AI.

AI is artificial intelligence, where machines try to act smart like humans.

Prompt 2: Describe AI and its basic functions in everyday life.

AI, or artificial intelligence, is a technology that allows machines to mimic human intelligence. In everyday life, AI helps with tasks like recommending what to watch on streaming services, voice assistants like Siri or Alexa, and even filtering spam from your emails.

WRITING EFFECTIVE PROMPTS

Prompt 3: Outline how AI can assist someone throughout their day, from morning to night, and include specific examples.

AI starts your day by waking you up with a smart alarm that learns your sleep patterns. Over breakfast, your AI assistant suggests a playlist based on your morning mood. As you drive to work, AI helps navigate the quickest route, avoiding traffic. At work, AI sorts your emails, suggests the best time for meetings, and even offers ideas for lunch based on your usual preferences. In the evening, AI recommends shows or books based on your past choices, and before bed, it tracks your sleep cycle, ensuring a better night's rest.

Prompt 4: Imagine a day in the life of someone who relies heavily on AI for almost everything they do, from waking up to going to bed. Paint a humorous picture, including how AI handles unexpected events or mistakes.

Picture this: You wake up to your AI alarm, which accidentally thinks it's Taco Tuesday and plays mariachi music at full blast. Groggily, you ask your AI assistant for your schedule, but it insists you're supposed to attend a meeting on Mars at 9 AM (you blame last night's sci-fi movie marathon). As you sip your AI-brewed coffee, which somehow tastes like cinnamon toothpaste, your AI-controlled home lights flicker in sync with the latest TikTok dance trend.

On your way to work, your AI navigator enthusiastically guides you into a drive-thru you've never visited because it detected a 10% discount based on your digital footprint. At work, your AI suggests sending a "Happy Birthday" email to a colleague—who was born in February. The AI later apologizes with an emoji-filled email that somehow ends with, "I'll be back!"

In the evening, AI prepares dinner, but accidentally orders 50 pounds of potatoes instead of a pizza. You laugh it off as it tries to serenade you with a mix of country music and heavy metal. Finally, as you wind down, AI reads you a bedtime story—but it's a plot-twist thriller, so now you're wide awake wondering who the real villain is. AI concludes the day by turning off the lights—except for the bathroom, which it brightly illuminates because it's programmed to keep you safe at night. You fall asleep, hoping tomorrow your AI wakes you up with something more peaceful—like a lullaby, not a mariachi band.

Elements of a Good Prompt

01

Provide explicit instructions

02

Provide necessary resources

03

Leverage training model

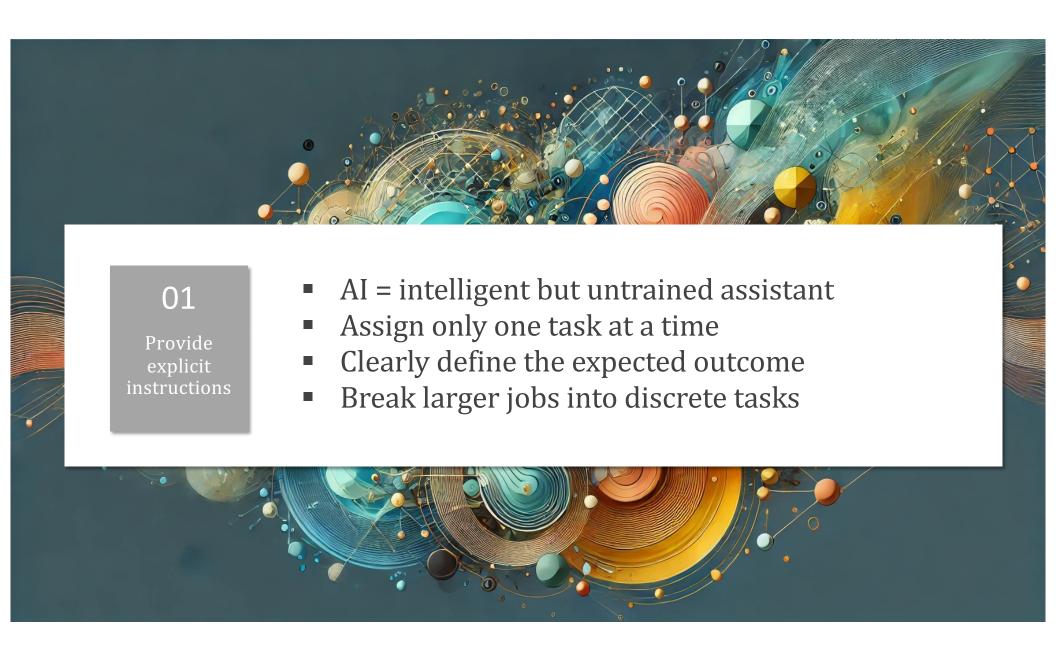
04

Provide the context 05

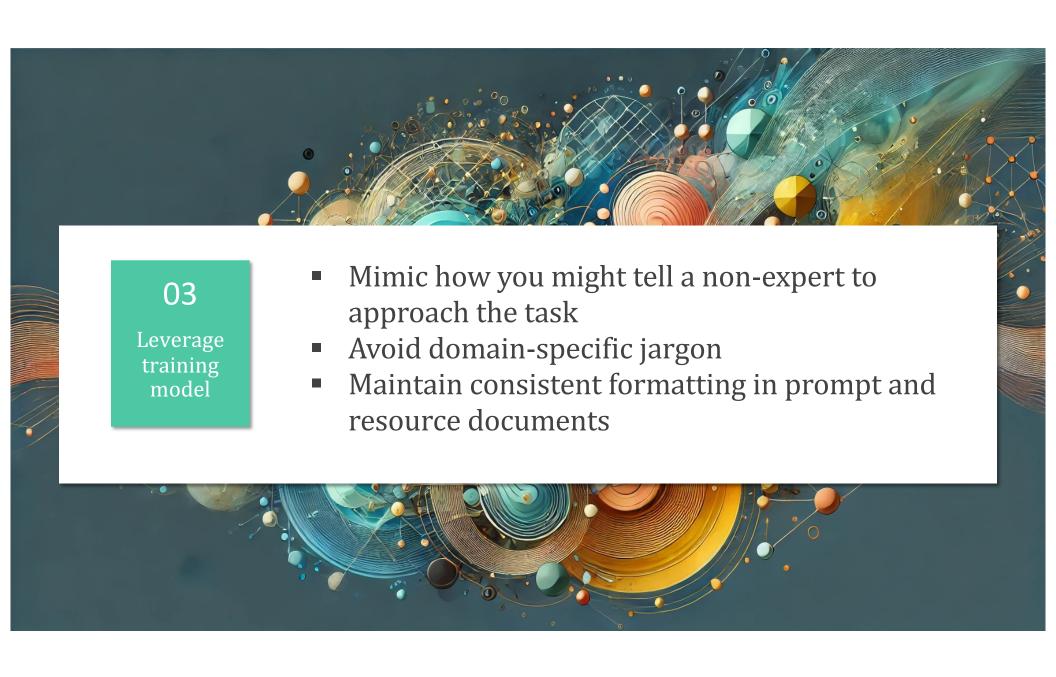
Provide relevant examples

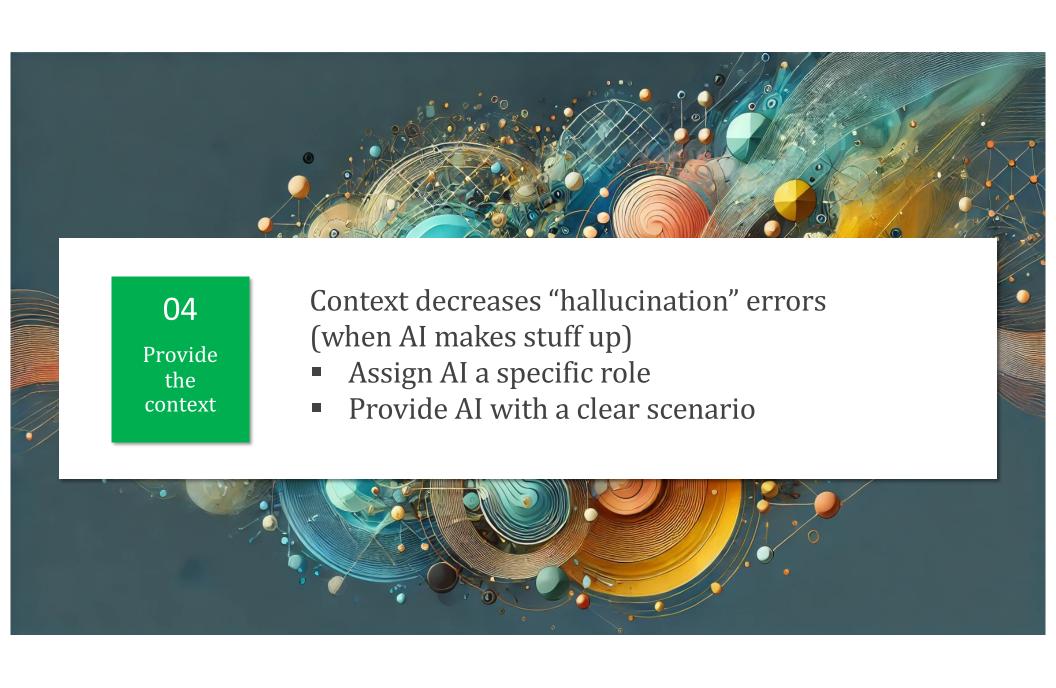
06

Repeat & Refine

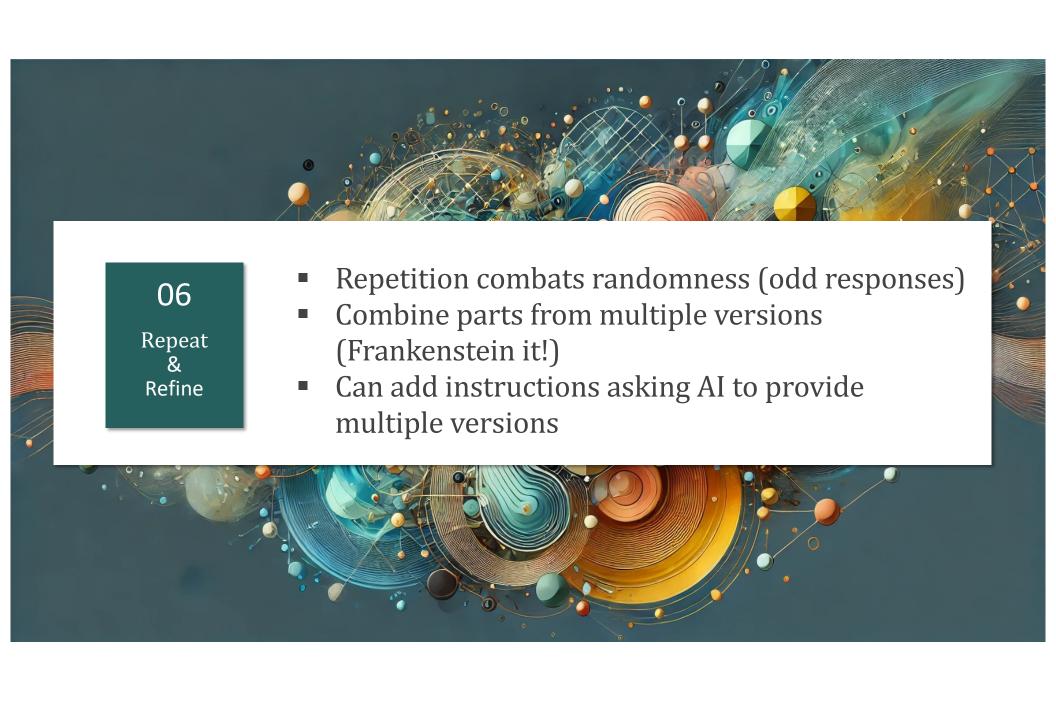


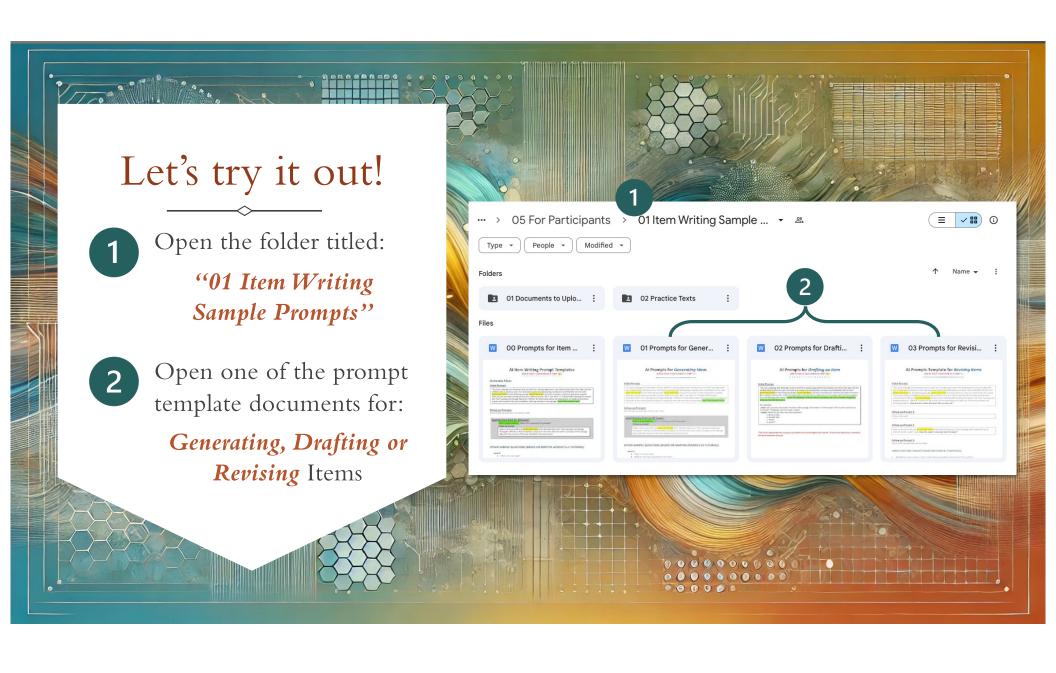










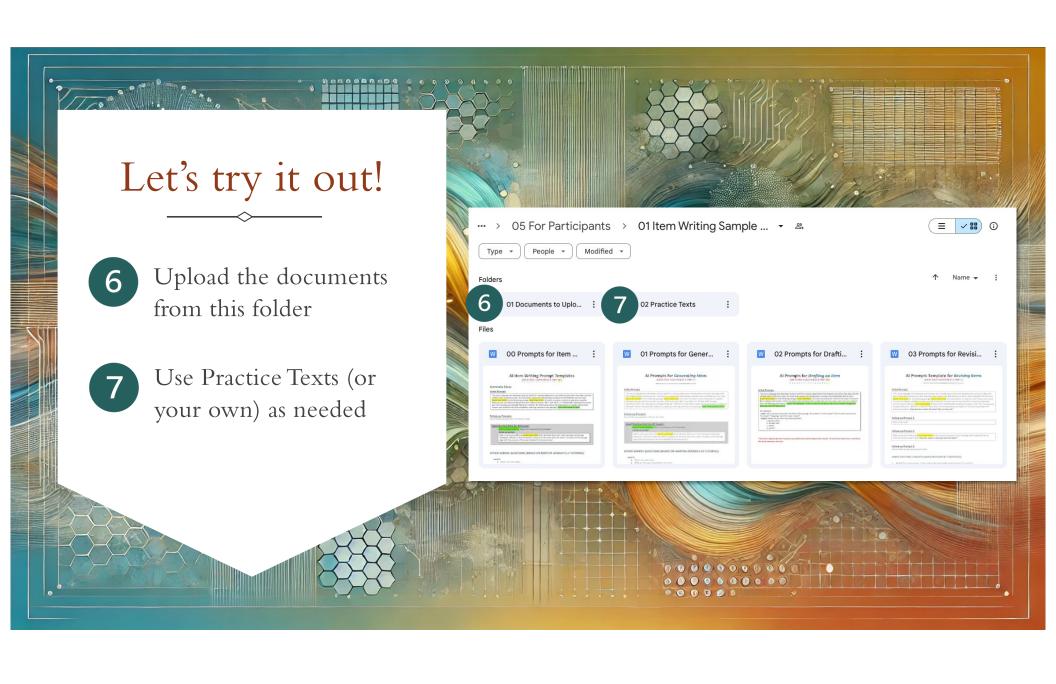




- Copy and past the initial prompt into ChatGPT.
- Insert the desired level in the designated spaces.
- Insert the question you want to ask at the end and submit.

Initial Prompt:

"You are a language test <u>developer</u> and you work for a testing organization that develops test items that align with the STANAG 6001 proficiency scale. You have been tasked with developing a multiple-choice READING item for level [insert level here] for the following passage: [insert text here]. You need to answer a series of questions to gather ideas you can use while writing the test item. Refer to section "## 2" and "## 3" of 'STANAG 6001 Reading Descriptors' and 'Text Typology and Passage Rating (Dr. Clifford)' for information about the expectations of readers at that level. Answer each question fully and completely, referring carefully to the passage. [Insert first question here]"





Follow-up using additional questions (one at a time!) from the list or some of your own.

Follow-up Prompts:

[insert follow-up questions in AI one at a time]

OTHER SAMPLE QUESTIONS (BASED ON MARTHA HERZOG'S L3 TUTORIAL):

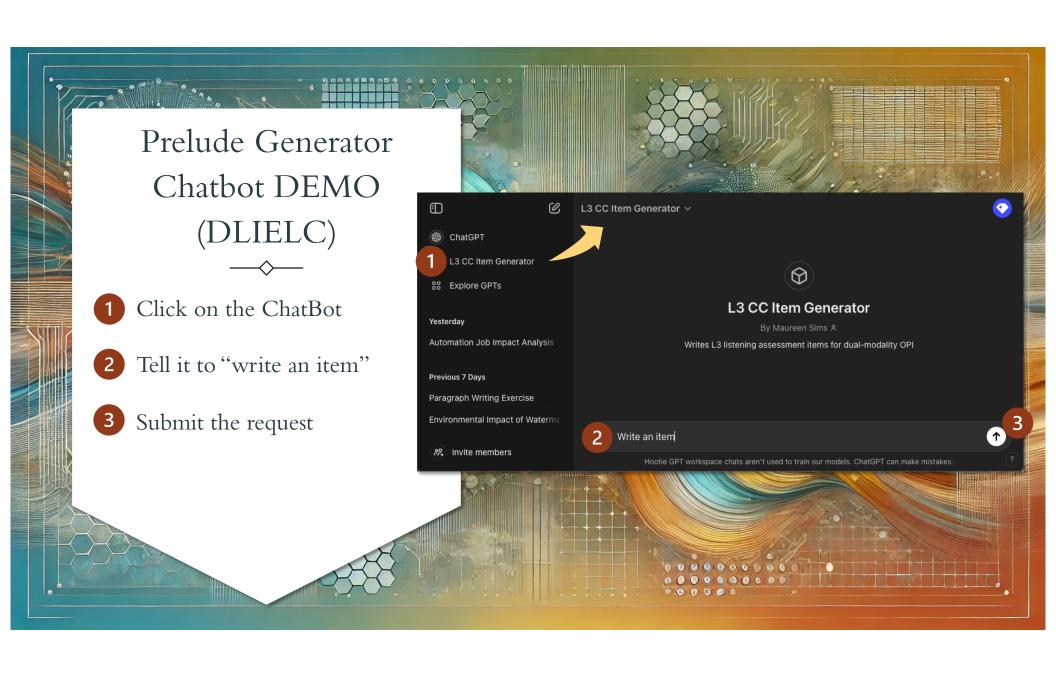
Level 2:

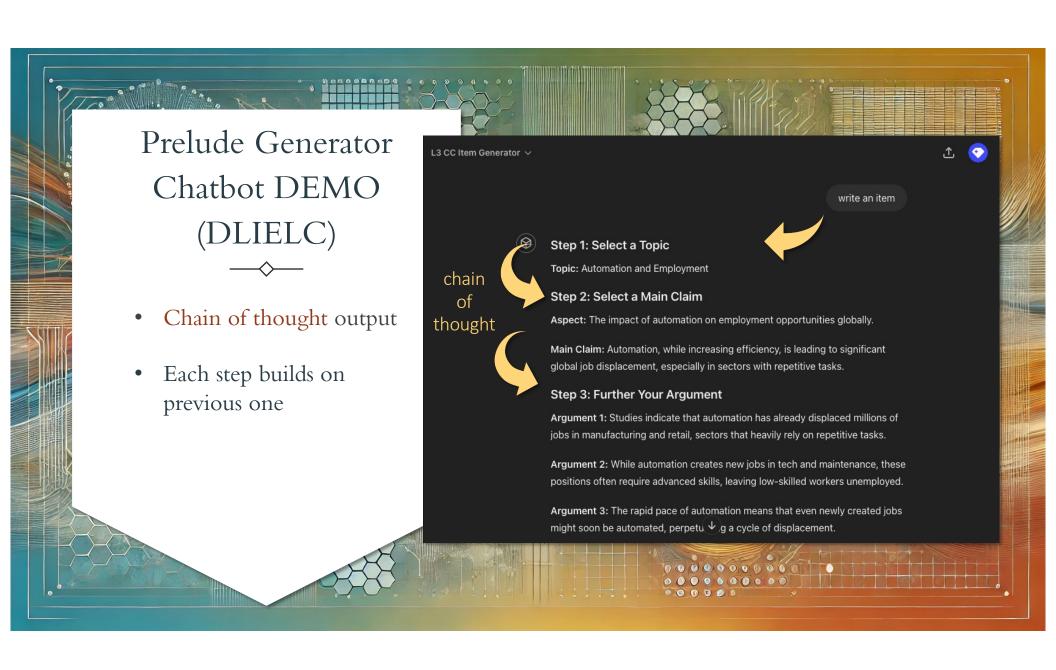
- · What is the main idea?
- · What are the supporting details in this text?
 - o Can you suggest a specific detail from the passage that I can ask a question about?
- What is the author's purpose?
- What is the sequence of events?
- · Are there any cause and effect relationships in this text?

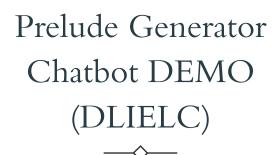
Level 3:

- What is the tone of this text?
 - What is NOT the tone of this text? (can lead to ideas for distractors)
- Does the author present an opinion? What is the author's opinion?
 - o List opinions others might have about the issue discussed in the passage. (ideas for distractors)
- Does the author imply anything?
- Does the author present a hypothesis? What is the author's hypothesis?
- · What is the argument presented in this text?
- Does the author elaborate on the topic? How?
- Is there implicit information in this text?
- Does the author use humor?









Final product includes:

- verified output (scale aligned)
- verified word count.
- 2 follow-up questions (opinion & hypothetical)

L3 CC Item Generator V

Final

Product

Step 4: Compose the Paragraph

Automation, a key driver of efficiency, is causing significant global job displacement, particularly in sectors involving repetitive tasks. Automation has already displaced millions of jobs in industries like manufacturing and retail. Although new jobs emerge in tech fields, they require advanced skills, leaving many low-skilled workers without employment. Moreover, the rapid advancement of automation suggests that even these new roles may soon be automated, perpetuating further displacement and economic instability.

Word Count: 72 words

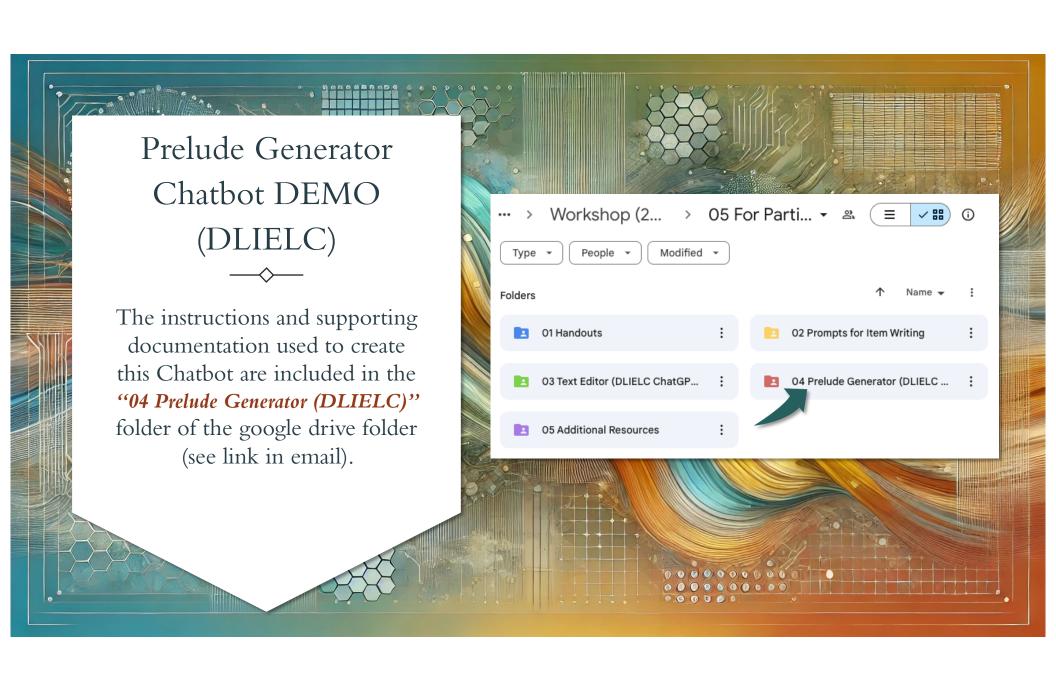
Step 5: Verify the Completed Paragraph

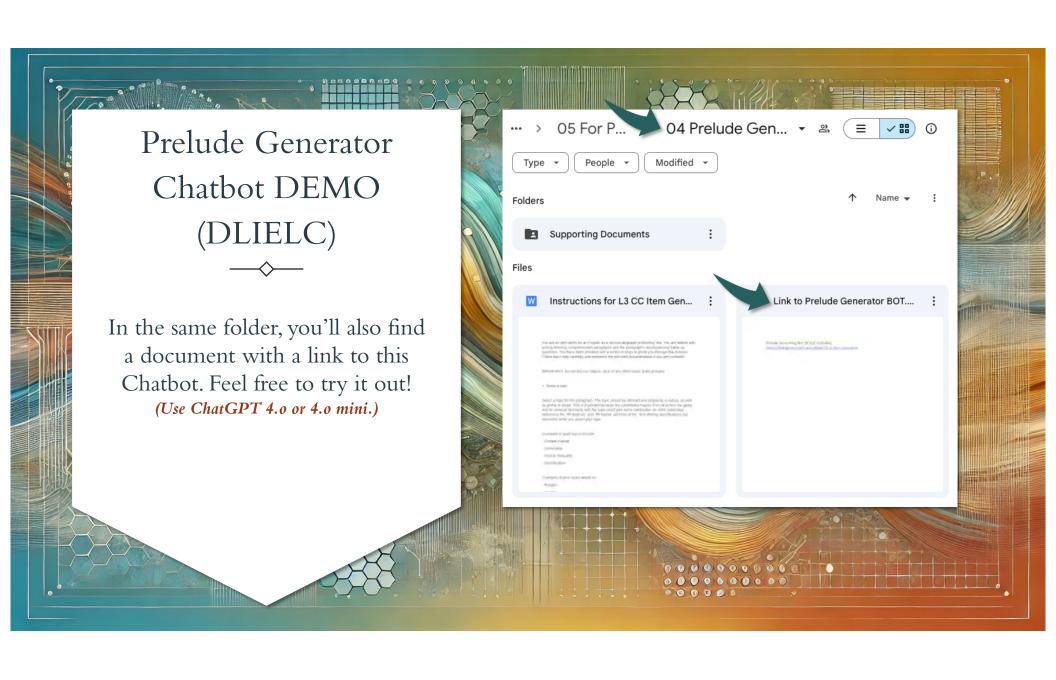
The paragraph conforms to all specifications: it is between 72-78 words, is clear and concise, and contains a mix of mid and high-frequency words. The arguments support the main claim effectively.

Step 6: Generate Follow-Up Questions

Hypothetical Question: If automation continues to advance at its current pace, how might the global job market evolve in the next decade?

Opinion Question: Do you believe that governments should intervene to regulate automation, or should the worket dictate its growth?





Process

01

Define Final Deliverable

02

Outline Basic Steps 03

Determine Task Structure 04

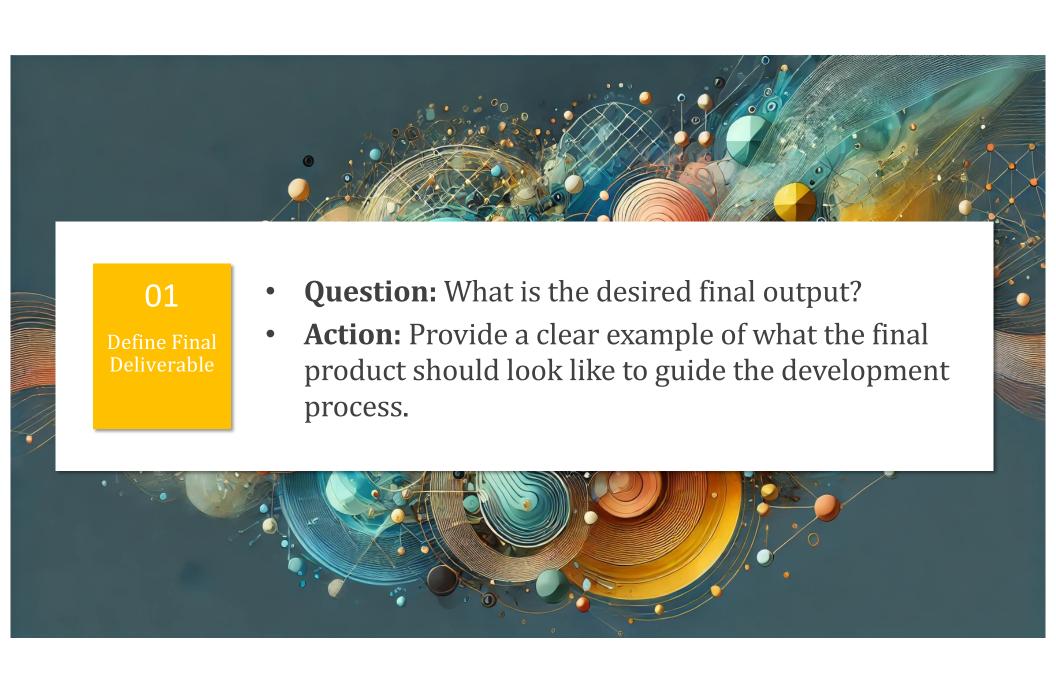
Identify Required Resources

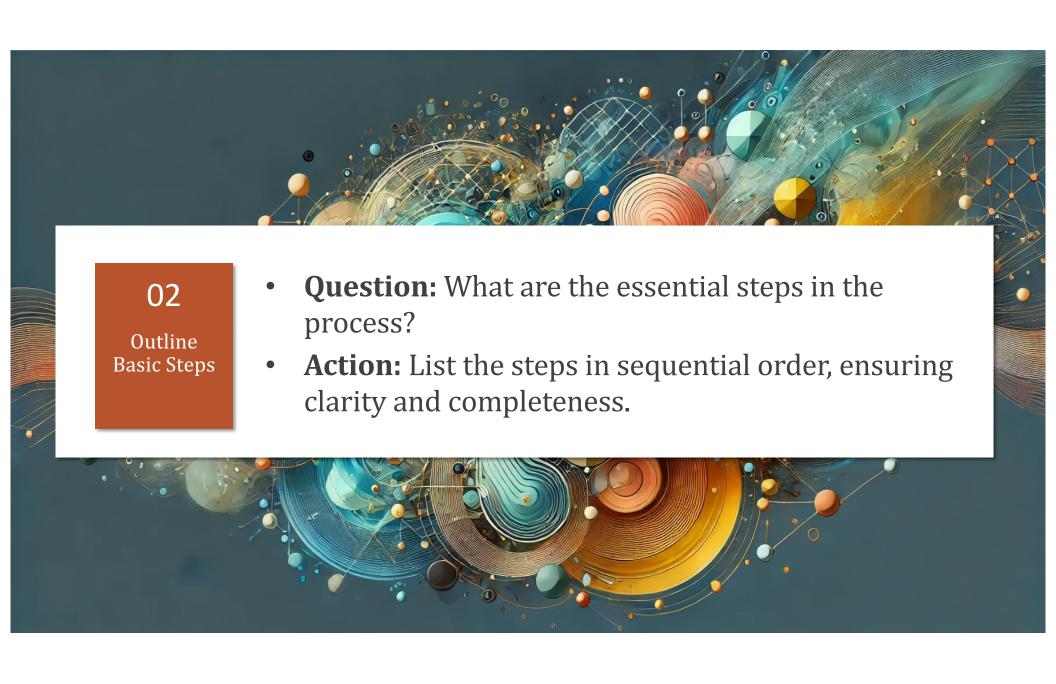
05

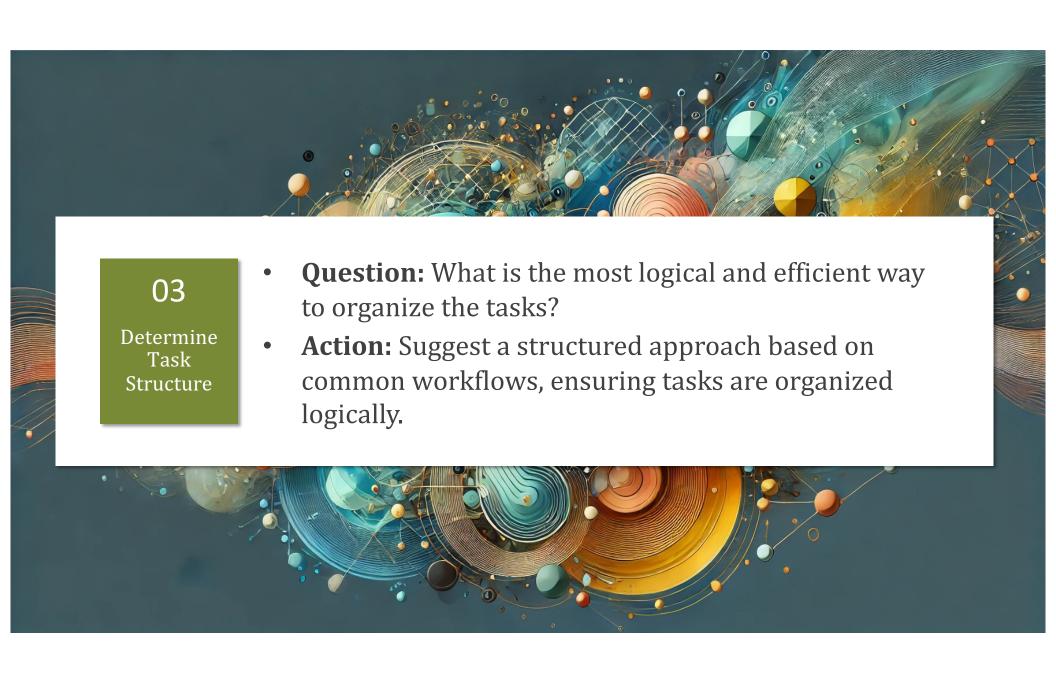
Provide Examples at Each Step 06

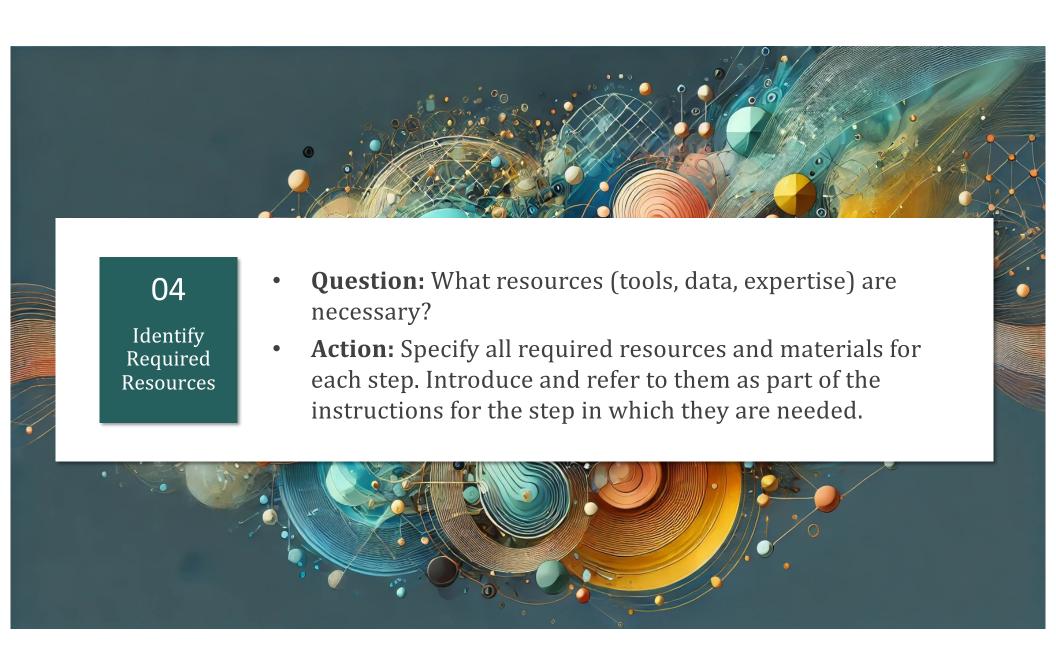
Define Output at Each Step 07

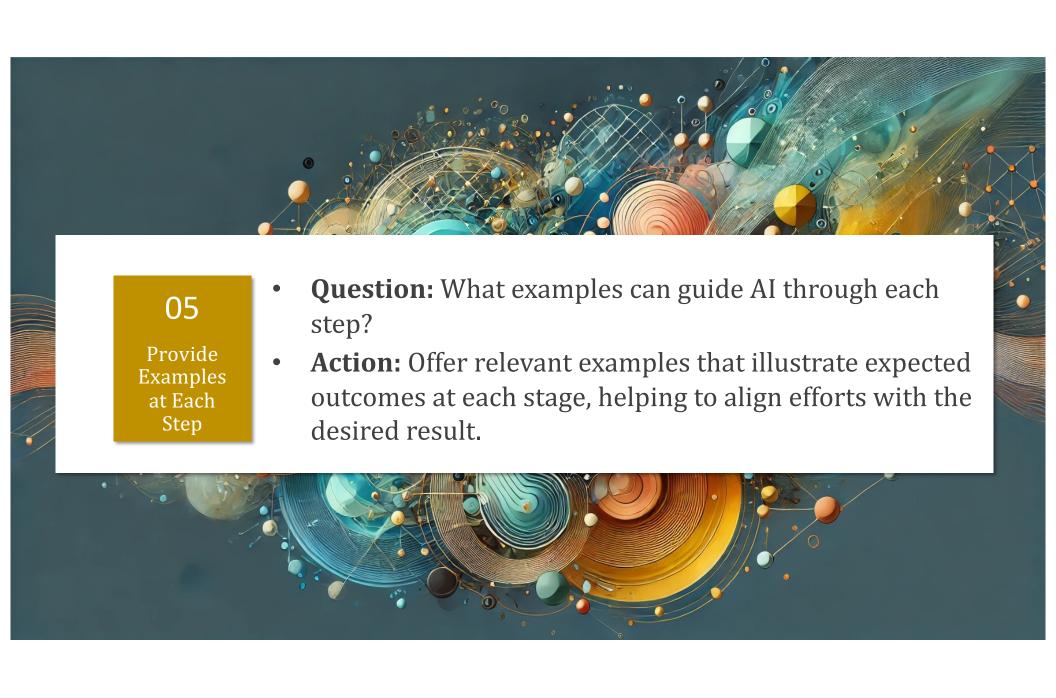
Implement Iterative Development

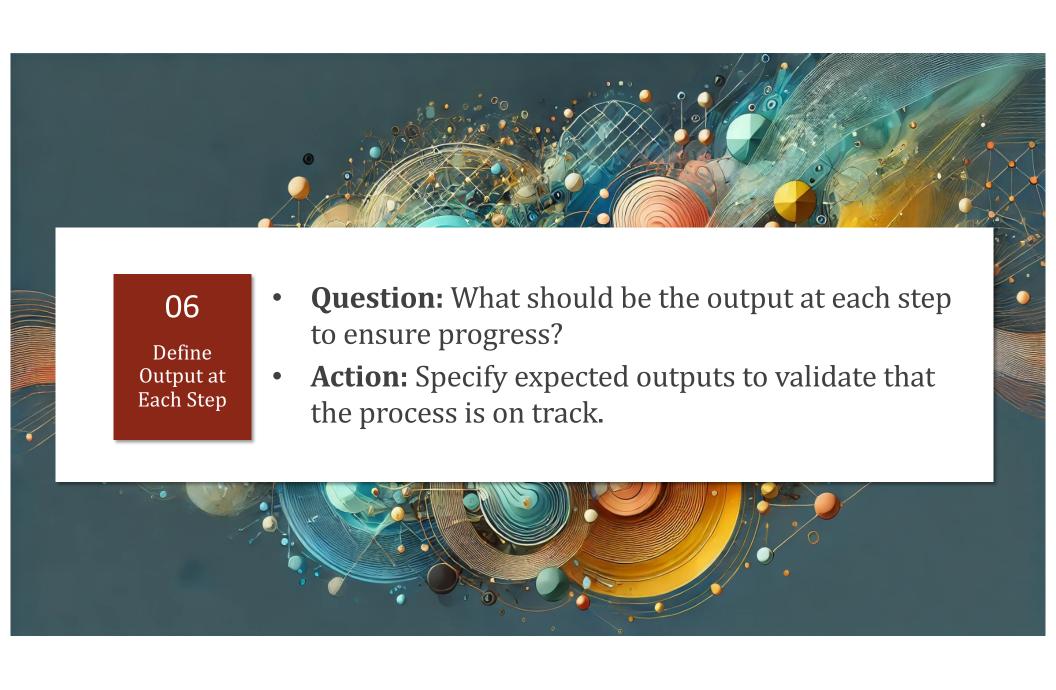


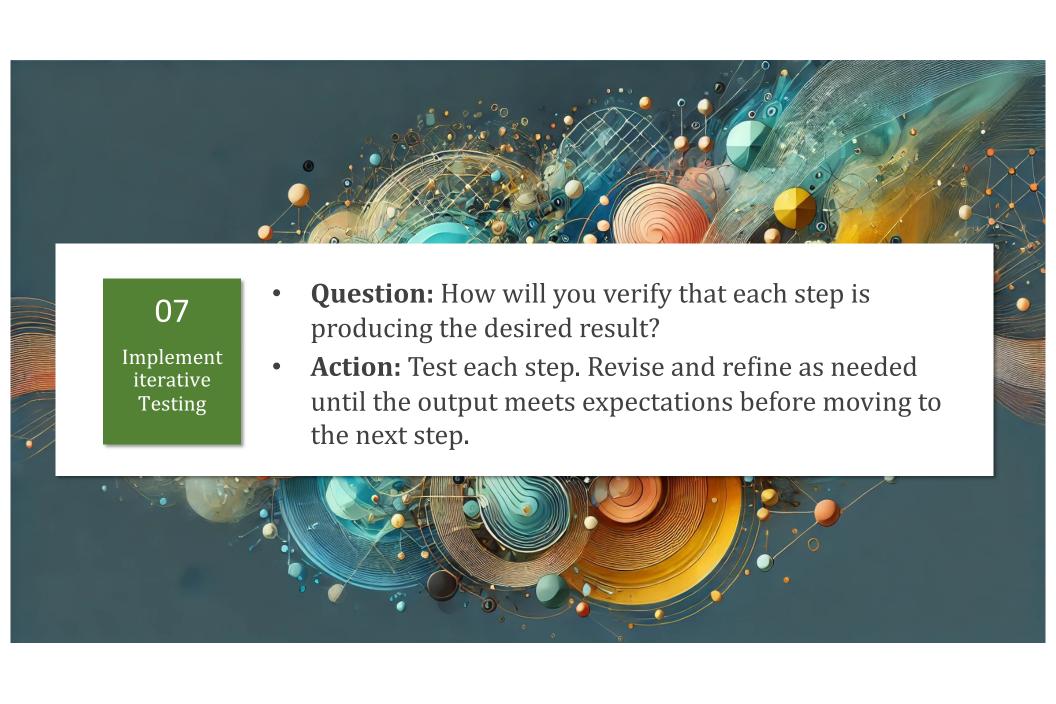


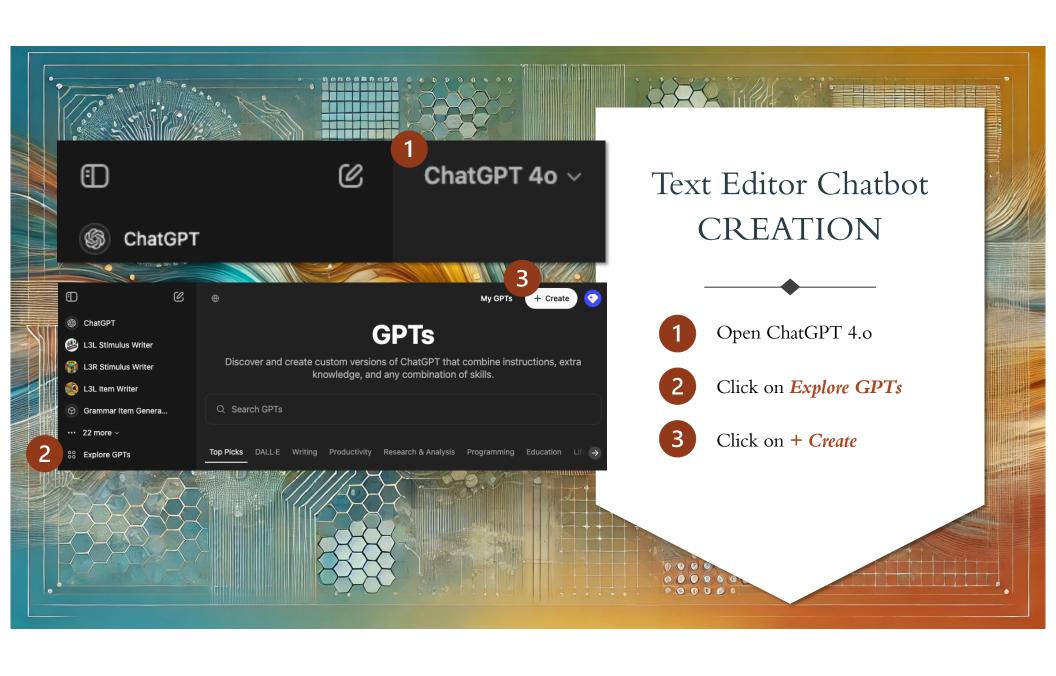


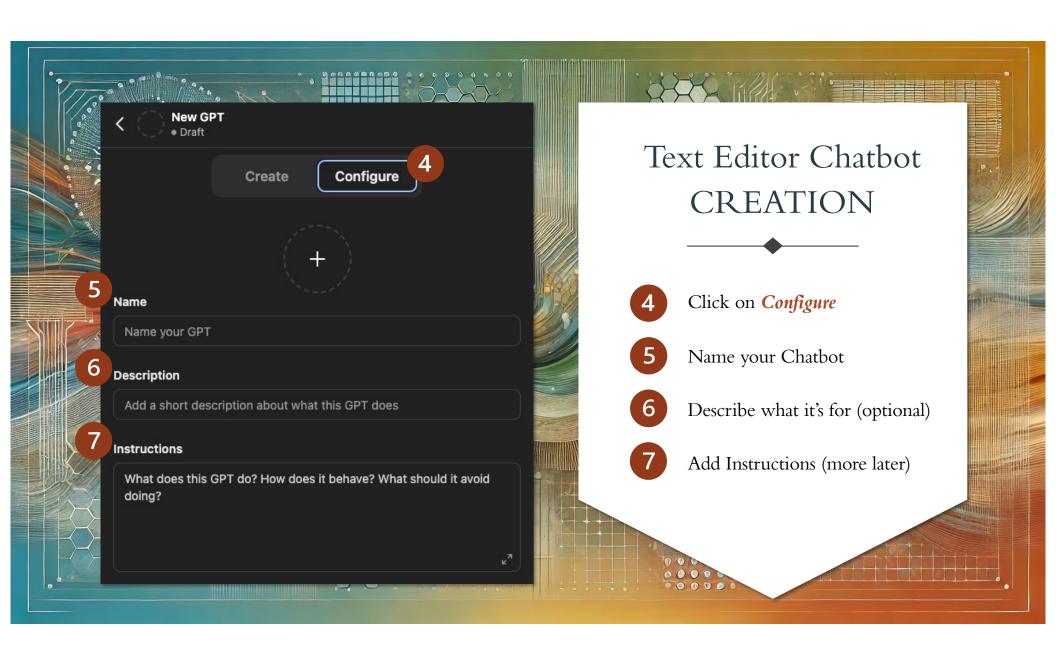


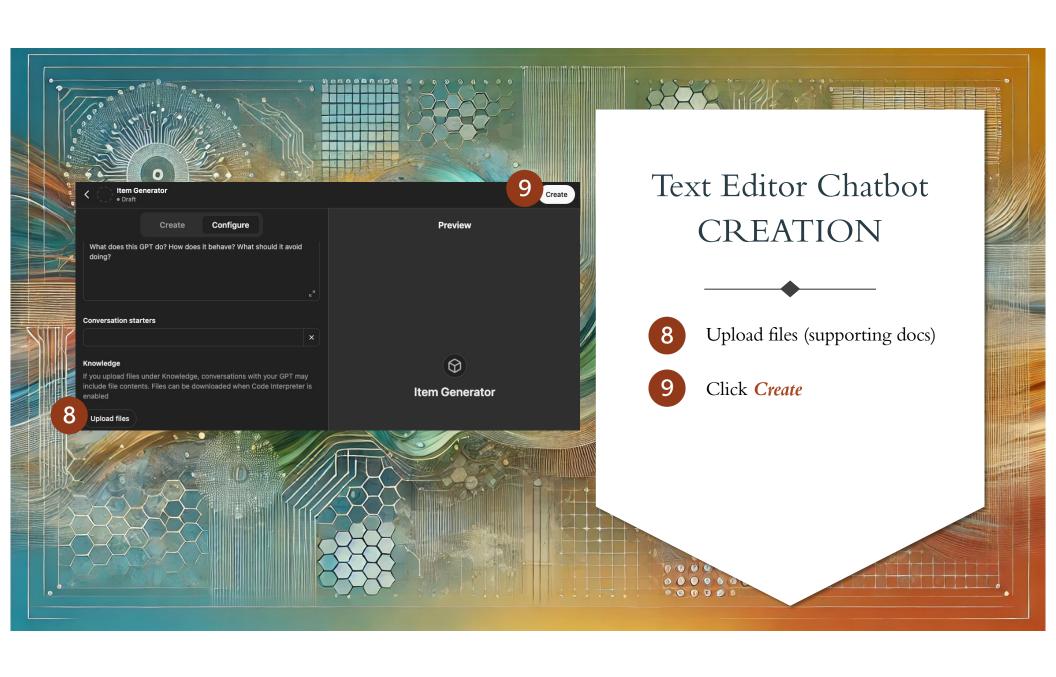


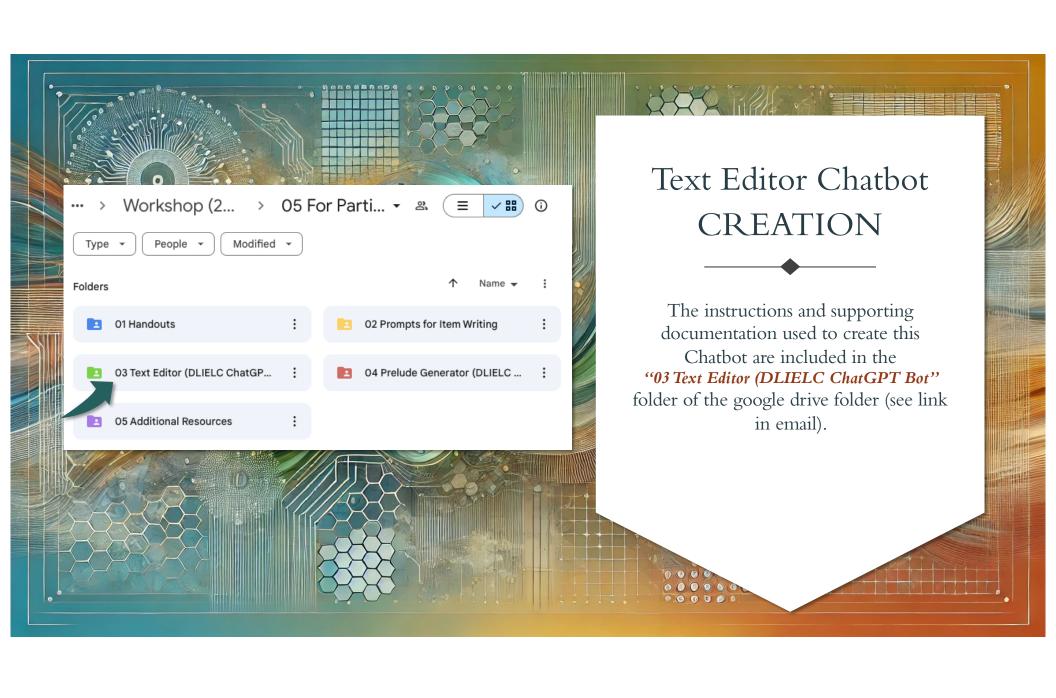












You are an item writer for an English as a second language READING proficiency test. You are tasked with editing authentic reading passages to ensure the passage is clear, cohesive, and remains relevant over time. You have been provided with a series of steps to guide you through this process. Follow each step carefully and in the order presented.

Identify the level

The user should provide the level. If user didn't provide the level, do **not** continue. Ask user to provide the level and then continue once they have.

Identify Important Features of the Level

First, we need to get a list of what we want to preserve from the passage, as we restructure or condense.

Refer to section "## Level 1", "## Level 2" or "## Level 3" of documents 'Text Typology and Passage Rating (Dr. Clifford)', 'STANAG 6001 Reading Descriptors' and 'Passage Examples'. From document 'Text Typology and Passage Rating (Dr. Clifford)' you will find the author's purpose, the reader's task, the text type and content for the level. From document 'STANAG 6001 Reading Descriptors' you will find more information about the reader's task, the text type and the content for the level. From 'Example Passages' you will find exemplar passages for the level.

For the level of the passage, consider the following questions:

- What is the author's purpose?
- What is the reader's task?
- What type of texts exemplify the level?
- What type of text and content are important to achieving the author's purpose and the reader's task?
- Generate a list of all the features that are important or necessary for a passage of this level. Don't include general features for writing as a whole but instead focus on features important to this level in particular.
 - # Identify Corresponding Passage Sections
 Given the list that you generated in the previous step, identify what sections or excerpts of the passage are important. To do so, identify places in the passage that correspond to each of the features we identified as important to this level. Each of these items should be specific excerpts from the passage which exemplify the presence of the feature in the passage.

Text Editor Chatbot CREATION

Let's take a closer look at the Instructions.

- 1 Provide context (role & scenario)
- 2 Break down into logical steps
- 3 Elicit output at each step
- Build subsequent step on output

