



OpenAI Playground & Prompt Engineering

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Agenda

Topic	
1	Welcome and General info
2	Do's and Don'ts
3	Intro to the OpenAI playground / Live Demo
4	How to do Prompting when using the Playground
5	What can the AI Playground already do for you and when do you need AI Support
6	Where to get support?

General Info

Access to the OpenAI playground: available for all SFS employees
(usage-based costs will be charged to BU / Function)

Take the web-based Training:

mylearningworld.siemens.com/web/en/app/toc/lex_auth_013878631396229120125/overview

OpenAI playground serves as SFS' ChatGPT -> do not use ChatGPT in your browser for any work-related tasks!

Go to menti.com and enter code: 81236836

What have you used ChatGPT for in the past few months?

DO's and DON'T's when using the OpenAI playground

Caveats / To keep in mind:

1. GPT may create non-factual, biased or misleading content → **Users must revise outputs & check quality**
 2. Stronger domain adaptation for Financial Services may be required
 3. Non-deterministic: Same input can trigger different outputs!
 4. OpenAI Playground is currently (02/2024) released for Restricted and Confidential content (ACP-1 and 2) → do NOT enter data / information classified higher than the approved level
 5. Costs: pay-per-use => consider well if you need AI to create this content for you
- *When we refer to ChatGPT in this presentation we mean the Siemens ACP-2 compliant OpenAI Services (= Enterprise edition of ChatGPT)*
 - *Using the publicly available ChatGPT / similar chatbot services for any work-related tasks or tests is not allowed! Adherence to all Do's and Don'ts from Legal & Compliance is mandatory.*

Go to menti.com and enter code: 25879232

If you could teach ChatGPT to do anything, what would it be?

What is a prompt ?

Prompt:

*A prompt is the **user input** provided to a **model** to generate completions. The prompt is what **guides** the model to generate responses known as completions.*

A prompt contains any of the following elements:

1. **Instruction** - a specific task or instruction you want the model to perform
 - Primary Content
 - Examples
 - Cues
2. **Context** - external information or additional context that can steer the model to better responses
3. **Input Data** - the input or question that we are interested to find a response for
4. **Output Indicator** - the type or format of the output.

You do not need all the four elements for a prompt and the format depends on the task at hand.

What is prompt engineering ?

Prompt Engineering:

is the process and techniques for composing prompts to produce output that more closely resembles your desired intent.

Why you should learn Prompt Engineering:

- Important to get more precise answers
- Helps to test and evaluate the limitations of LLMs
- Enables all kind of innovative applications on top of LLMs

Instruction Types for Prompting

Instruction Type	Prompt
Simple Instructions	Write an introduction for a weekly newsletter.
Complex Instructions	Write an introduction for a weekly newsletter to my company named Siemens. It should mention the great all hands meeting we had last week and thank the team for all their hard work over the tough past few months.
Complex instructions (with more details)	Write an introduction for a weekly newsletter, including the following: - My company is named Siemens - An exuberant greeting - Thanking the team for their hard work over a couple tough months - Positive outlook for the coming quarter - Signed by the SLT

Live Demo

What is a prompt ?

A prompt is composed of the following components:

- **Instructions**
 - Primary Content
 - Examples
 - Cues
- **Context**
- **Input Data**
- **Output Indicator**

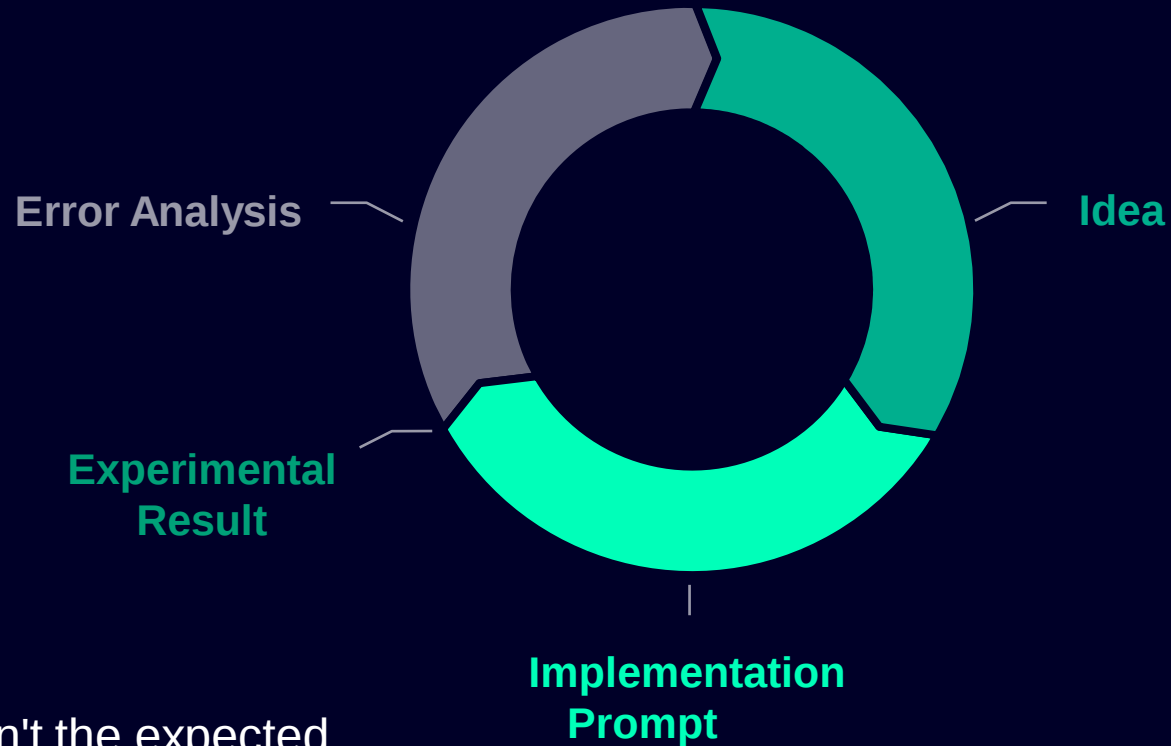
→ Classify this news into neutral, negative or positive

- 1. New York City unveils an 'artificial intelligence action plan'
- 2. CVS, Walgreens and Rite Aid are closing thousands of stores.
- 3. Investors flock to defensive stocks and safe havens on worries about Israel-Hamas war

→ Context: You are provided with news from the internet

→ Sentiment for each review as bullet points:

Iterative Prompt Development



Iterative Process:

- Try something
- Analyze where the result is/isn't the expected
- Document your expected results as a gold standard
- Clarify instructions, give an example...
- Refine prompts with better or different instructions

What the openAI Playground already does for you and when you need AI Support

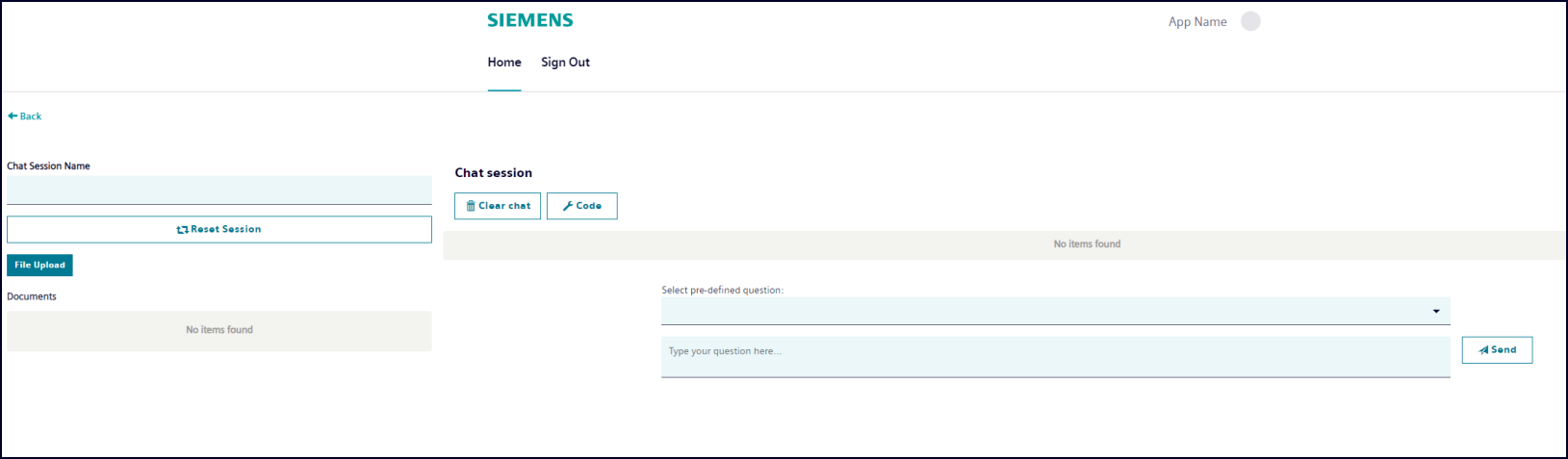
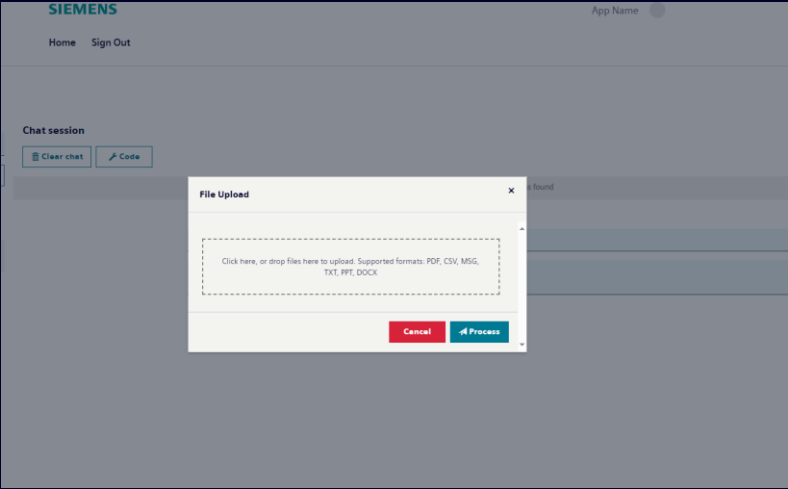
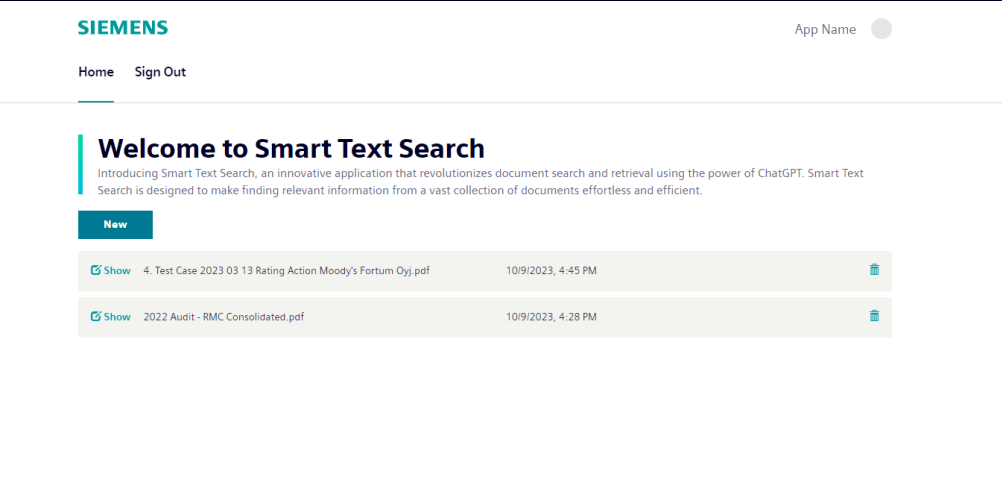
The openAI playground does:

- provide a safe environment (ACP 1 and 2) similar to ChatGPT web version
- be your digital companion (create/abbreviate text, create social media posts, come up with a concept from your idea, etc)
- search and summarize text you've copied and pasted from a document

Does NOT:

- access the internet
- allow the upload of documents / data
- search any folder or file
- complex calculations/ run mathematical formulas

Exemplary Use Cases with AI Support - Smart Text Search



I Where to get support?

Viva Engage Community - [Viva Engage community-link](#)

Prompt Engineering manual - [DSML \(siemens.io\)](#)

Need a new GenAI application? - [AI Use Case Ideas \(office.com\)](#)