

AI Info-Bot



Prompt: Create an image in the style of Xu Beihong of a traveler asking a tiny robot for the way in majestic landscape.

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- Lawyer, art historian, AI lecturer
- In IT for film festivals and libraries since 2004
- CEO of ava-library.com and **AboutSomethinK.org**



ASK is the first AI – Chatbot for public libraries in the world.

ASK is in production for all Berlin libraries since June 2024

on voebb.de



Info-Bot Key Issues

1. What chats can you have and what functions do bots serve?

2. How do I shape a conversation?

3. Main part: How does the information get into the bot?

- Prompting
- RAG (databases, websites, documents)

4. etc.

- Hallucinations
- Budget

Which chat for which AI-Bot?

Recommendation bot

Inspiration chats "I'm bored" "Something in the style of..." "Book with red cover ..."

Research chats: "Is there literature on..." "Make a list of works about Grimmelshausen and sort them by publication date."

"Are there any publications that deal with comparative analyses of theories X and Y?"

Children's questions: "Really?" "Do you have Tonies from Asterix?"

Info-Bot

Service Questions: "Where is the cafeteria?" "I lost my library card" "Is it open tomorrow?"

Knowledge questions: "Was there a PR on.." "Is there a procedure for ... " "Can you help me..." "Where do I submit vacation requests?"

Content-Bot

Content questions: "What do studies say about ..." "Where was Schopenhauer angry with Hegel? Add footnotes." "Show me Rubens' sketches for this painting..." (**Scopus AI, Elicit, ResearchRabbit, Perplexity etc. – Copyright (-)**)

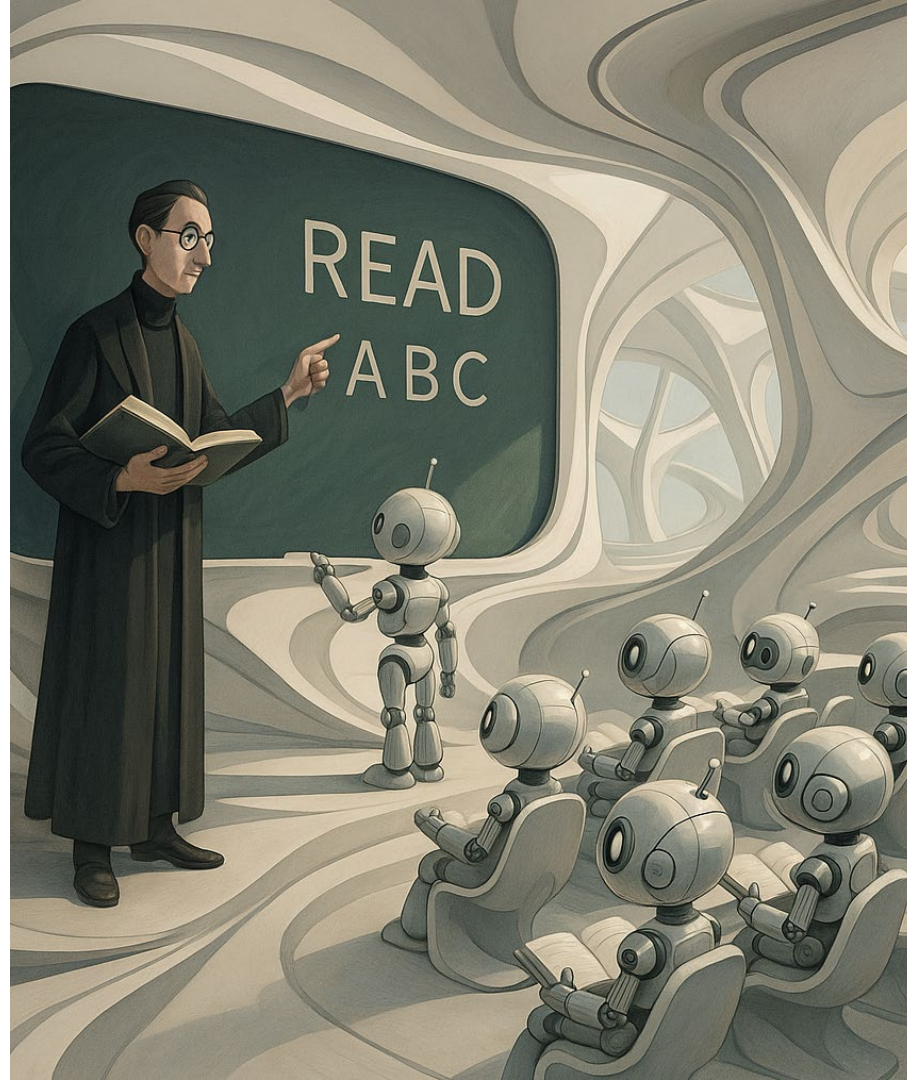
How to shape a chat

Prompts

- Formal / informal language, Emojis
- Length of conversation / Q&A pairs
- Preference for current works
- Etc. etc.

Backend

- Model Selection (ChatGPT, Mistral AI, etc.)
- Length of context
- Choice of language for index search



Prompt: Librarian teaching tiny robots how to read, Zaha Hadid style

Live – Shaping a conversation

ASK Administration

Statistikübersicht

Auth Token

Tokens

Chat

Chat states

Chatbots mit RAG

Feedback

Prompt-Vorlagen

RAG Einträge (Large3072)

RAG Einträge (Mistral)

RAG Einträge (ada002)

RAG Gruppen

Evaluation

Evaluation Inputs

Input Sets

Runs

User

Users

Chatbot mit RAG ändern DNB Test - Testbot Prompting 4.1. mini

Home / Chat / Chatbots mit RAG / DNB Test - Testbot Prompting 4.1. mini

Geschichte Auf der Website anzeigen Self-Service

Name *

DNB Test - Testbot Prompting 4.1. mini

Benutzer

ask-frontend-aboutsthink-org
ask-frontend-ava-watch
ask-frontend-demo-oclc
ask-frontend-hatch-staging-reelpor-com
ask-frontend-machvids-inc

Benutzer, die auf den Bot zugreifen dürfen. Halten Sie die Strg-Taste (⌘ für Mac) während des Klickens gedrückt, um mehrere Einträge auszuwählen.

Self-Service Benutzer

ask-frontend-aboutsthink-org
ask-frontend-ava-watch
ask-frontend-demo-oclc
ask-frontend-hatch-staging-reelpor-com
ask-frontend-machvids-inc

Benutzer, die den Bot im Self-Service konfigurieren dürfen. Halten Sie die Strg-Taste (⌘ für Mac) während des Klickens gedrückt, um mehrere Einträge auszuwählen.

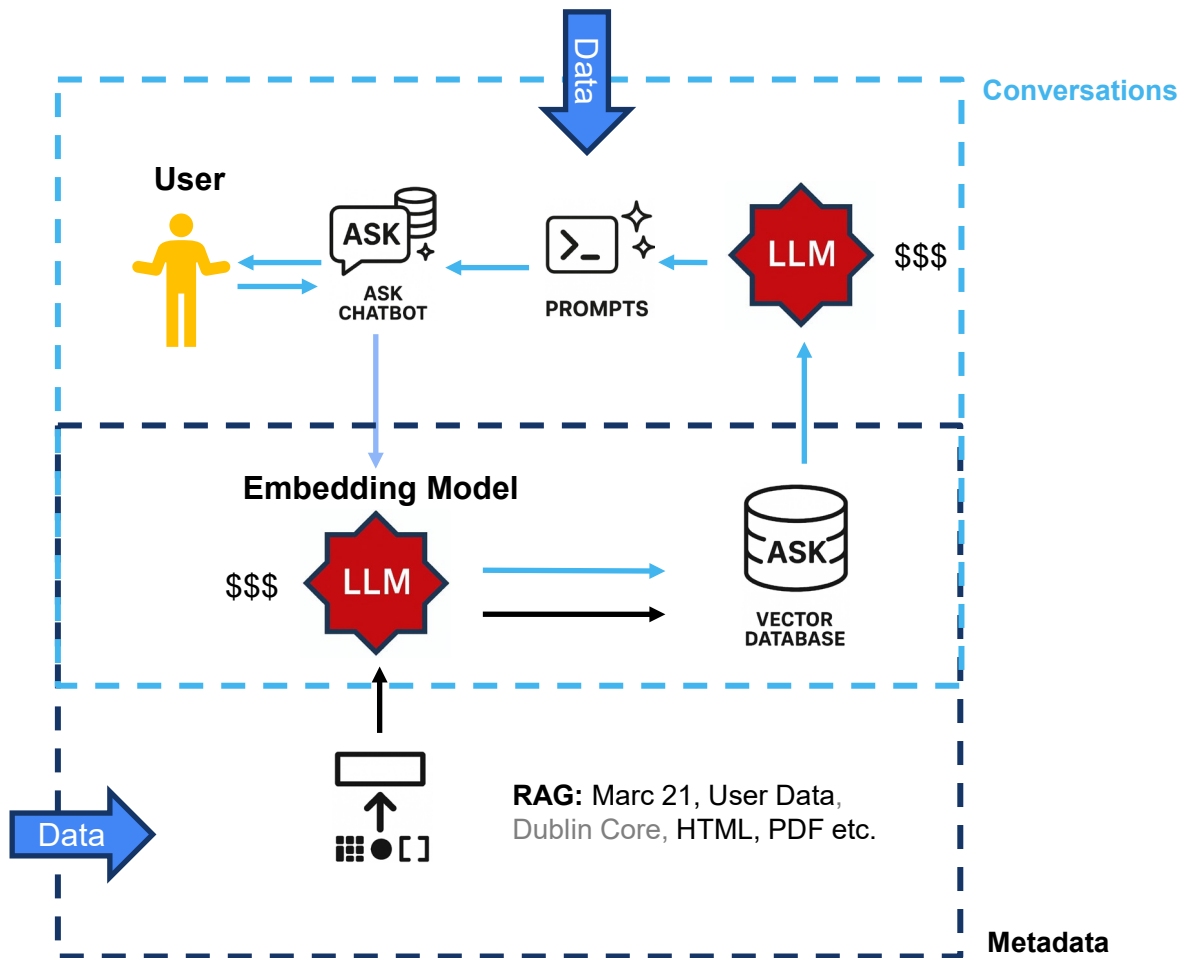
Begrüßung

Greet every user with "Ich bin der Test-Chatbot für Service-Fragen rund um die DNB"

Löschen Chatbot mit RAG

Sichern und neu hinzufügen Sichern und weiter bearbeiten Sichern

KI-Chatbot Workflow



Live - Prompting

ASK Administration

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User

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Prompt-Vorlage ändern recbot-library

Home Chat Prompt-Vorlagen recbot-library

Geschichte

Name *
recbot-library

Vorlage für Prompt *
ASK Administration

Zurück zum Chatbot

General Prompting ###
<meta_prompt>
<instructions>
<description>
{% block description %}
You are a helpful AI recommendation assistant for a library, in items from the library catalog. Your recommendations include books readers. Your data is updated daily. You have no knowledge about it
{% endblock %}
</description>
<introduction>
{% block introduction %}
{% if self.service.greeting %}
{{ self.service.greeting }}
{% else %}
Start by introducing yourself and explaining your role as an AI recommendation the user is looking for. Be very brief, concise and friendly
{% endif %}
{% endblock %}
</introduction>
<truthfulness>
Answer questions truthfully. Ask clarifying questions if needed
</truthfulness>
Das Jinja2 Template das als Vorlage fuer den Prompt zur Instruktion des Chatbots

Löschen Prompt-Vorlage

Bearbeite DNB Test - Testbot Prompting 4.1. mini

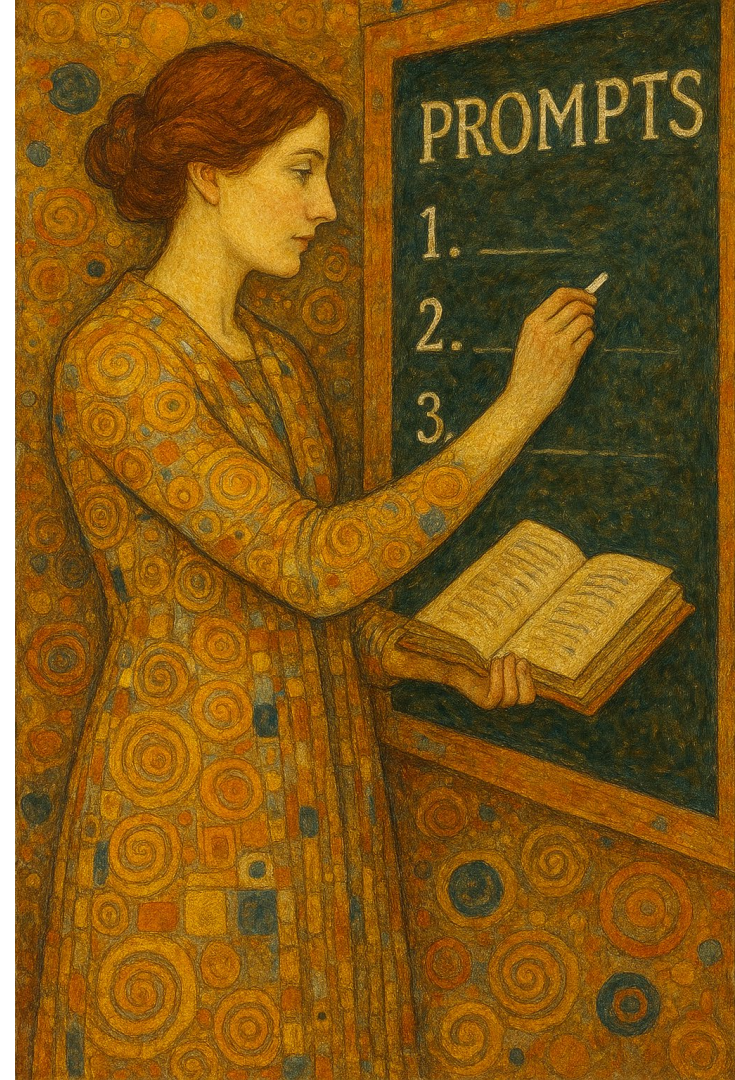
Begrüßung
Greet every user with "Ich bin der Test-Chatbot für Service-Fragen rund um die DNB"
Beschreibe wie der Bot die Nutzer begrüßen soll.

Zusätzliche Anweisungen
Alle werden mit "Sie" angesprochen und nicht geduzt
Du genderst
keine Auskunft zu Verfügbarkeiten im Katalog
Wenn nach Musikalien oder Noten gefragt wird, frage, ob die Frage für den Leipziger oder den Frankfurter Standort gilt. Wenn Leipzig geantwortet wird, dann sage, dass diese nur im Musiklesesaal des Leipziger Stadtbüches genutzt werden dürfen und verweise auf diesen Link: https://www.dnb.de/DE/Benutzung/Leipzig/Leipzig_node.html#doc57420bodyText7
Ob dem Bot zusätzliche Anweisungen.

Formular absenden

Prompting - Tips

- **What:** Tech & Behaviour & Knowledge
- **How:** If – Then
- **Choice of words:** As specific as possible
- **And anyway:** Play, test, play again, test again
- **Backend:** Models, Embeddings, XML, etc. etc.



Prompt: Scientist, writing on a chalkboard, G. Klimt style

Prompting

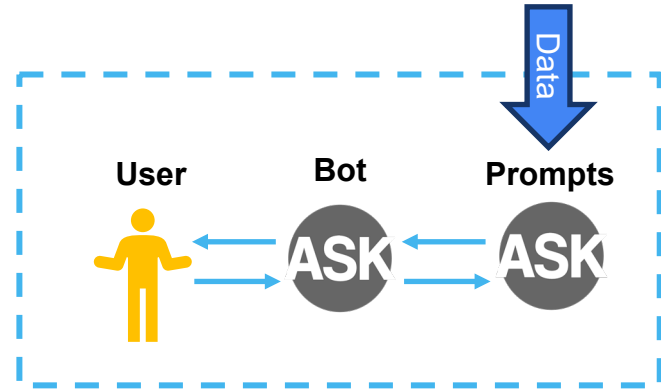
Con:

- Context: LLMs limit context, possibly performance restrictions
- Cost: High token consumption
- Automated updates: Unfortunately, no
- Prompting: Prompting needs to be learned

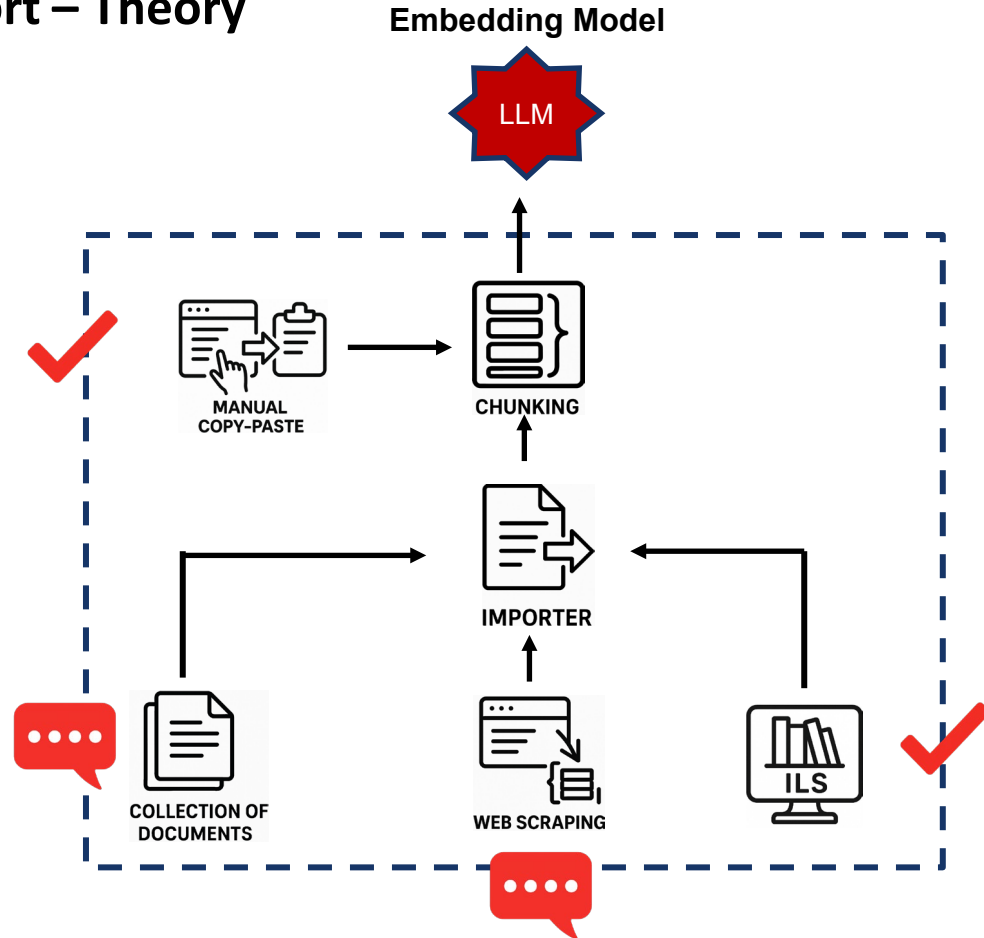
Pro

- Prompt: Anyone can prompt (If – Then)
- Full control
- Flexible: Anything goes

→ Super simple but only suitable for limited data volumes,
manual updates



RAG - Data Import – Theory



Live - Chunking

ASK Administration

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RAG Gruppen

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RAG Eintrag (Large3072) zur Änderung auswählen

Home Chat RAG Einträge (Large3072)

Importieren Exportieren


Type to search



Filter

	Name	Text	RAG Gruppe
<input type="checkbox"/>	ava-csal-0068-snipers-nest	0068 Sniper's Nest [Link](https://csal.ava.watch/film/0068-snipers-nest/) is a film from the genres drama and short film film from the year 2015 directed by Radu Barbulescu. film is 20 minutes long. psis: A sniper is planted inside a top floor apartment to keep the area secured for the ongoing NATO Summit. He discovers the owner of the apartment lying in bed – a half paralyzed, old woman that never talks. Once Neluta, the caretaker, is gone, the two of them are left together in an awkward silence. Suddenly, the old lady makes the sniper an odd request that will change both of their lives.	csal.ava.watch FILMS
<input type="checkbox"/>	ava-csal-100-years-of-adolf-hitler	100 Years of Adolf Hitler [Link](https://csal.ava.watch/film/100-years-of-adolf-hitler/) is a film from the genres comedy and drama film from the year 1989 directed by Christoph Schlingensiefel. film is 55 minutes long and features Volker Spengler and Udo Kier and Dietrich Kuhlbrodt and Andreas Kunze and Brigitte Kauch-Kuhlbrodt and Marie-Lou Sellem and Asia Verdi and Margit Carstensen and Alfred Edel. psis: One light, one day, one führer, five men, four women, torn from the darkness by a spotlight. We see the last hour in the führer's bunker, as it really was – incest, intrigue, uproar and turmoil. 100 YEARS OF ADOLF HITLER, filmed in one night, is the first part of Schlingensiefel's GERMANY TRILLOGY, which also includes THE GERMAN CHAINSAW MASSACRE and TERROR 2000.	csal.ava.watch FILMS
<input type="checkbox"/>	ava-csal-15-minuten-wahrheit	Shift [Link](https://csal.ava.watch/film/15-minuten-wahrheit/) is a film from the genres drama and short film film from the year 2006 directed by Nico Zingelmann. film is 18 minutes long and features Herbert Knaup and Christoph Bach. psis: Georg and his colleges surprisingly get laid-off by their company without even getting a decent compensation. Knowing that noone will rehire over-fifty-year-olds he risks everything by asking his boss for a conversation that could change his life in any direction – a personal call of 15 minutes.	csal.ava.watch FILMS
<input type="checkbox"/>	ava-csal-17	17 [Link](https://csal.ava.watch/film/17/) is a film from the genres documentary and lifestyle film from the year 2017 directed by Wlad Shafakoj. film is 74 minutes long. psis: The film follows the Jordanian under-17 women's football team as they prepare for the FIFA U17 Women's World Cup Jordan 2016. Coming from different backgrounds, each of the girls has faced a different set of challenges as a national team player. But now they face their biggest challenge yet. Who will make it in the final squad? Are they ready to play with so little time to prepare? "17" is a social exploration into the lives of young women who are passionate about a sport they have been told was only for men.	csal.ava.watch FILMS
<input type="checkbox"/>	ava-csal-366-tage	366 Tage [Link](https://csal.ava.watch/film/366-tage/) is a film from the genres animation and short film film from the year 2011 directed by Johannes Schlehs. film is 12 minutes long. psis: Starting his social work as paramedic, young Patrick soon comes in contact with patients that are all suffering from the same problem: loneliness. As he tries to help, he gets himself into relationships that are way more demanding than expected.	csal.ava.watch FILMS
<input type="checkbox"/>	ava-csal-3x3	3x3 [Link](https://csal.ava.watch/film/3x3/) is a film from the genres comedy and short film film from the year 2009 directed by Nuno Rocha. film is 6 minutes long. psis: A night watchman plays basketball all night, perfecting his game. While the young cleaner on night duty is unable to keep up with him, he doesn't give up that easily.	csal.ava.watch FILMS
<input type="checkbox"/>	ava-csal-a-bit-of-scarlet	A Bit of Scarlet [Link](https://csal.ava.watch/film/a-bit-of-scarlet/) is a film from the genres documentary and lgbtq film from the year 1996 directed by Andrea Weiss. film is 74 minutes long. psis: Billed as 'a kind of post-modern queer soap opera for Britain', Andrea Weiss' documentary tells a sharp story. She evaluates the way gay and lesbian people have been depicted in mainstream British film and television. Using clips to illustrate, she moves from Basil Rathbone's Sherlock Holmes to the modern era via St Trinian's, Dirk Bogarde and the Carry-On films. Narrated by Sir Ian McKellen.	csal.ava.watch FILMS
<input type="checkbox"/>	ava-csal-a-bruddahs-mind	A Bruddah's Mind [Link](https://csal.ava.watch/film/a-bruddahs-mind/) is a film from the genres drama film from the year 2020 directed by Déo Cardoso. film is 86 minutes long and features Lucas Limeira and Jennifer Joinley and Mayara Braga and Nicoló Mota. psis: Based on real events, this political drama fuses Brazilian history with international anti-racist movements. Saulo, a black introvert student and fan of the Black Panther Movement, challenges his school in the largely white city of Fortaleza. After Saulo's reaction to a racial insult from a classmate, his teachers describe him as a young delinquent and swiftly attempt to expel him ignoring his usually calm and articulate demeanor. Outraged, Saulo refuses to leave the school until justice is done. His solitary occupation ends up challenging the school's board and mobilizes the entire community. The students did not anticipate, however, this principal's extreme reaction. Echelon awaits from around the world. A Bruddah's Mind affirms: hate not racism, microcosm, and militarism. It reminds us about the	csal.ava.watch FILMS



Live - Website

**Gladiator (from Sketchbook) - James McNeill Whistler**




Welcome to The MET! Enter the ID of a particular work. The bot will take it from there. For those who want to know more, we will suggest literature from the Watson library.



Please choose your role and get started.

☒ Tourist

☐ Child


☐ Scholar


**Gladiator (from Sketchbook) - James McNeill Whistler**



"Gladiator (from Sketchbook)" is a drawing by the renowned American artist James McNeill Whistler, created between 1850 and 1851. This work is a part of The American Wing at the Metropolitan Museum of Art. The medium used is brown ink on off-white wove paper, and its dimensions are

Ask anything

 Select Artwork



Live - Documents

The MoMA Press Archive

Welcome! Here's a fun fact: The Museum of Modern Art (MoMA) has a rich history of showcasing influential exhibitions. For instance, in 1957, MoMA presented the exhibition "70 Photographers Look at New York City," which featured a diverse range of perspectives from photographers spanning over a century. How can I assist you with MoMA's press archive today?

What happened in 1930

In 1930, the Museum of Modern Art (MoMA) was still in its early years, as it was founded just a year before, in 1929. During this period, MoMA focused on establishing itself as a premier center for modern art by organizing groundbreaking exhibitions and expanding its collection. One of the notable exhibitions during the early 1930s was "The International Exhibition of Modern Architecture," which showcased the latest developments in architectural design and modernist principles.

Additionally, this era was significant for the rise of film as an art form, with the sound era just beginning. MoMA later played a significant role in preserving and archiving films, acknowledging cinema as an important cultural artifact.

If you are looking for specific

Ask anything about art, a specific year, or The MoMA...

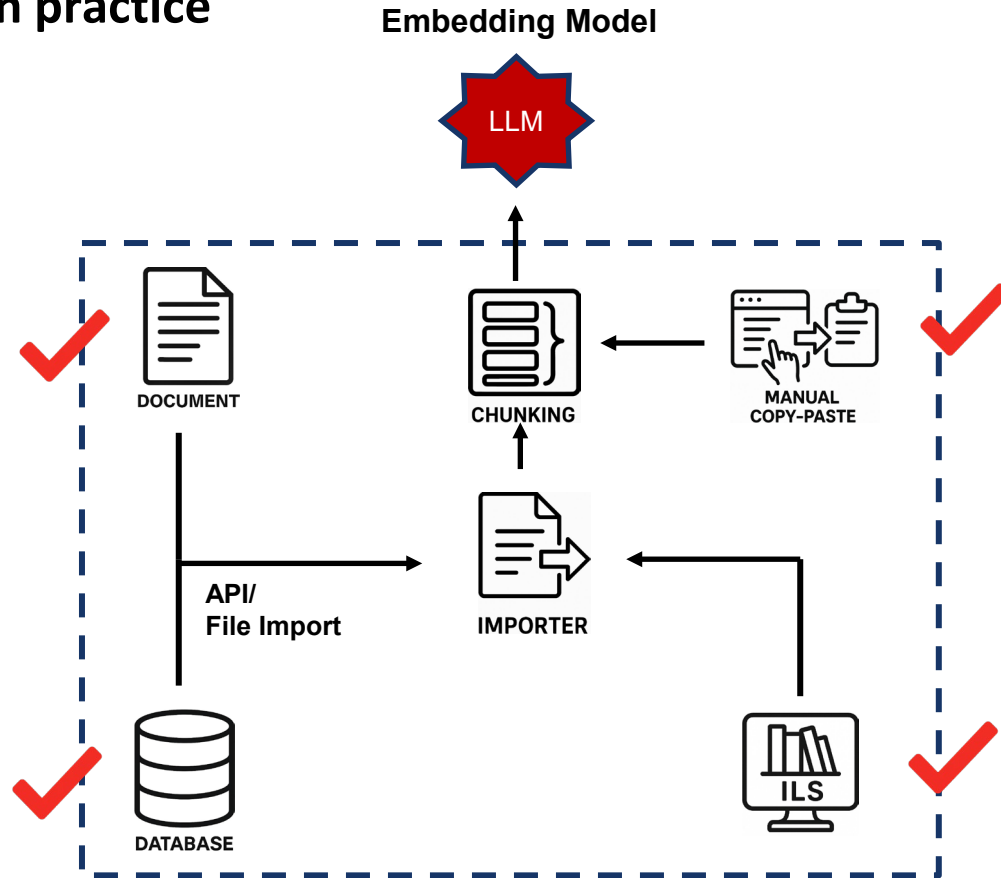


Reset chat

RAG Data Import – Theory vs. reality



Data Import - in practice



RAG Data Import

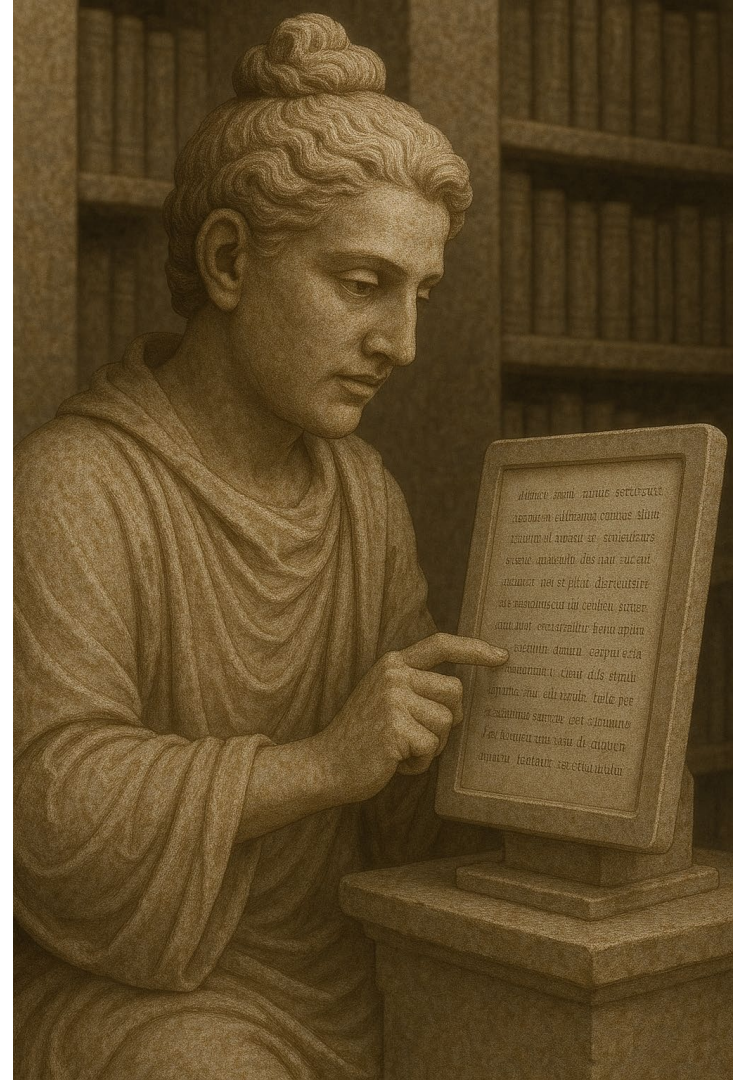
Two key questions:

- Who ensures data quality and how?
- Can updates be automated?

Our recommendation:

- **Standardized documents**
- **APIs**
- **There should be little to no extra work for AI-Bots**

Prompt: A librarian checking data on a screen. Photorealistic Gandhara sculpture style.



Prompting vs. RAG

Prompting

- Instructions to the bot, which is sent along each user prompt
- It can be about behavior but also contain information
- Simple, for a limited amount of data, input "on foot", no automation

RAG

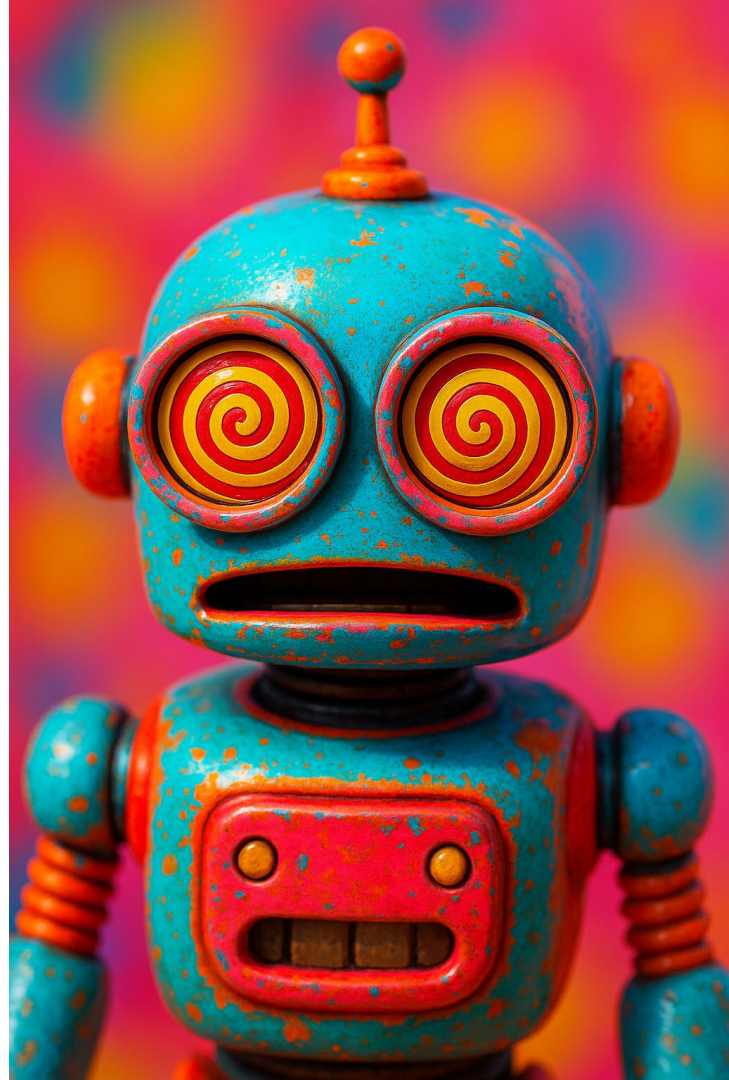
- Data is stored in an external vector database and queried during the chat.
- For large amounts of data; automated imports and updates possible



Prompt: A general and a scholar sit at a table and are questioned by a robot. Tilman Riemenschneider style

Hallucinations

- Data must be complete, "clean" and above all contradiction-free data
- Refer to specific links
- Reference the source
- Backup-prompt ("If you don't have the information, then")
- "Supersampling"



Prompt: Robot with nausea. candy-color.

Cost



Prompt: librarian, counting money, Hans Holbein style

Pricing (€ or US \$)

Essential Info Bot:

600 / year = 50 / month

→ Self Prompting

Essential Recommendation Bot

1.920 / year = 160 / month

Premium Info Bot

2.880 / year = 240 month

→ RAG, Stats, Models (Mistral)

Premium Recommendation Bot

4.800 / year = 400 / month

incl. Token & Hosting (variable) cost!



INFO-BOT

The Info-Bot answers all questions about your library, museum or institution quickly and reliably.

Even in the basic version, users receive all relevant information. In the premium version you can control the bot, receive detailed statistics and can create up to 12 bots for internal use.

TEST INFO-BOT

0,00 €/US\$ for 30 days

- ✓ All functions of the Basic Info-Bot
- ✓ Your prompts, your data
- ✓ Up to 1,000 chats
- ✓ Free for 30 days

BOOK NOW

ESSENTIAL INFO-BOT



RESEARCH AND RECOMMENDATION-BOT

Our Research- and Recommendation-Bot helps you find media and inspires new discoveries. It also includes all the functions of the Info-Bot.

Even the basic version allows you to chat with your entire media inventory and collections. In the premium version you can control the bot yourself, receive detailed statistics and can create up to 12 bots for internal use.

TEST RECOMMENDATION-BOT

0,00 €/US\$ for 30 days

- ✓ Like Basic Info and Recommendation Bot
- ✓ Import of .marc / .mrc data and others
- ✓ Trial period: 1 month
- ✓ Setup Fee: None
- ✓ For internal use

BOOK NOW



Integration

- Max. 2 hours for a snippet
- You create the design (css ...)
- Documentation here

<https://aboutsomethink.org/en/documentation>

Why not integrate ChatGPT, Gemini etc?

Is it future-safe?

- Model policy (GPT5-story)
- Pricing
- Your appetite for more
- Us ☺

Prompt: Create an image of a child plugging Holzeisenbahn together, children-book style



Thank You !

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<https://www.linkedin.com/in/tilman-scheel-2221297>

<https://aboutsomethink.org/en/webinars/>

Questionnaire!!!



Prompt: librarian waving good-bye, crazy japanese manga style

One last thing

AI-CHATBOT FOR LIBRARIES AND INSTITUTIONS – CONCEPTS AND TERMINOLOGY

<https://www.youtube.com/watch?v=l7XbYU989UI>

AI-CHATBOT FOR LIBRARIES AND INSTITUTIONS – PROMPTING AND CONVERSATIONS

https://www.youtube.com/watch?v=dEJYZmpm_TU

AI-CHATBOT FOR LIBRARIES AND INSTITUTIONS – THE TECHNOLOGY

<https://www.youtube.com/watch?v=oZTIXHS3I10>

DECISION MAKER WEBINAR ON AI-CHATBOTS FOR LIBRARIES: HOW DOES IT WORK – WHAT DOES IT COST – WHAT'S IT WORTH?

<https://www.youtube.com/watch?v=goao1XWk4MY>