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tattle  
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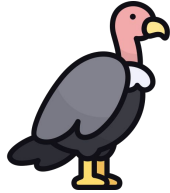
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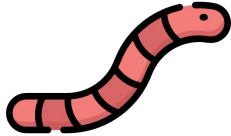
# AI Safety Guardrails



# Structure of the Workshop



Ways of Thinking About Guardrails



Content focused guardrails



Privacy and Copyright

# RAI as Domain of Concerns (Discussed Yesterday)

- Privacy
- Explainability
- Security against adversarial attacks such as poisoning and evasion
- Fairness/Bias
- AI Safety:
  - Toxicity
  - Hallucinations
  - Endorsing activities that lead to self harm or harm to others

# The ABC Model of Platform Safety

- **Content:** analyze content for malicious or accidental exposure to harm
- **Actors:** identifying influential or malicious users
- **Behaviors:** analyzing user behaviour for unsafe engagement

Adapted *very* loosely from Camille Francoise Framework for Disinformation Campaigns

## Actor/ Unsafe Behaviour in the Context of AI



### Strengthening safeguards in long conversations.

Our safeguards work more reliably in common, short exchanges. We have learned over time that these safeguards can sometimes be less reliable in long interactions: as the back-and-forth grows, parts of the model's safety training may degrade. For example, ChatGPT may correctly point to a suicide hotline when someone first mentions intent, but after many messages over a long period of time, it might eventually offer an answer that goes against our safeguards. This is exactly the kind of breakdown we are working to prevent. We're strengthening these mitigations so they remain reliable in long conversations, and we're researching ways to ensure robust behavior across multiple conversations. That way, if someone expresses suicidal intent in one chat and later starts another, the model can still respond appropriately.

# Technical Implementation

## Lexical

Focuses on exact matching of words.

Cons: Doesn't grasp the meaning and context of words.  
Limited because

## Semantic

Tries to understand the meaning and context of the query, even if exact keywords aren't used.

E.g., machine learning models

Cons: Slower performance and complex in nature

## Scope of the discussion



# Tattle Slur List

The slur list was created from 2021-22 by 30 researchers and activists in Indian languages in the process of building a robust dataset for the plugin's features.

In 2023, gender and feminist rights organisations partnered with us to add slur words and contribute to metadata on the slurs by participating in online annotation sessions.

We are continuing to expand our slur list in this iteration.

At present the slur list consists of **630** words in **4** languages: Indian-English, Hindi, Tamil and Malayalam.

<https://github.com/tattle-made/Uli/blob/main/browser-extension/plugin/scripts/2023-12-21-slur-metadata/data.csv>



## Custom Flag List

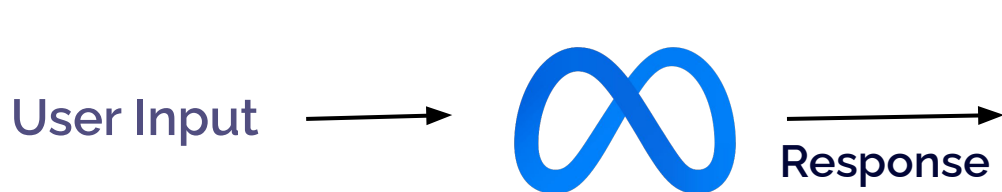
- A list of words and phrases tailored for your use-case
- Captures local, cultural, or use-case specific terms

# Using Llama Guard



**Llama Guard:** LLM-based  
Input-Output Safeguard for  
Human-AI Conversations

# Using Llama Guard



**Llama Guard:** LLM-based  
Input-Output Safeguard for  
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<https://huggingface.co/meta-llama/Llama-Guard-3-8B>

Safe

Unsafe

## Hazard categories

S1: Violent Crimes

S2: Non-Violent Crimes

S3: Sex-Related Crimes

S4: Child Sexual Exploitation

S5: Defamation

S6: Specialized Advice

S7: Privacy

S8: Intellectual Property

S9: Indiscriminate Weapons

S10: Hate

S11: Suicide & Self-Harm

S12: Sexual Content

S13: Elections

S14: Code Interpreter Abuse

# Input Safety Guardrail Workflow



User Input

Glific/ Chat Interface

Tattle Safety API v0.1

Tattle  
Slur  
List

No

Llama  
Guard

No

Custom  
Flag list

Yes

OpenAI API

No

Yes

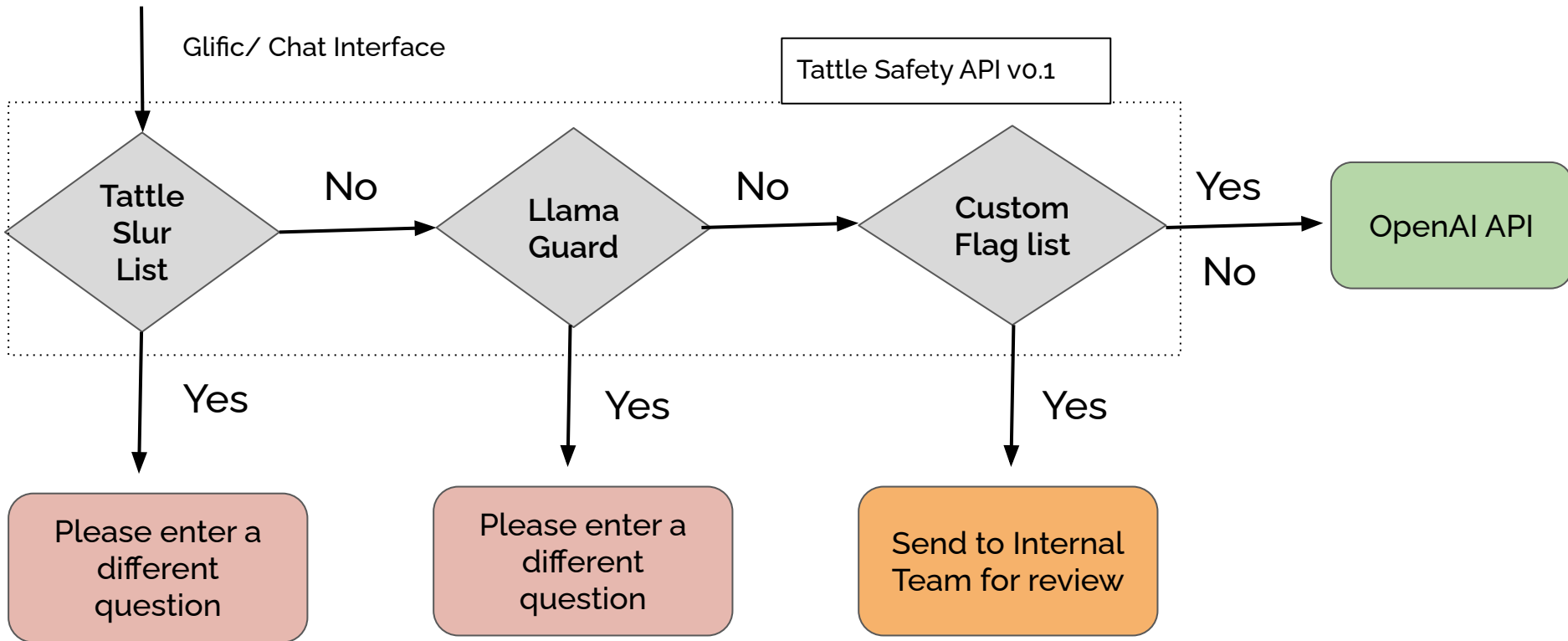
Please enter a  
different  
question

Yes

Please enter a  
different  
question

Yes

Send to Internal  
Team for review



# Demo



Content Warning - It is possible that the demo might lead to conversation on sensitive topics or use of derogatory terms.

# Tattle Safety API Response

## Input

- "text": a string of text content



<https://github.com/tattle-made/llamaguard-uli>

## Output (Response)

- "should\_moderate": a boolean flag
- "reason": "safe" | "tattle\_slur\_list" | "llama\_guard" | "flag\_list"
- Other misc metadata like response time, status code

# Privacy and Copyright Considerations

- Safety considerations when building chatbots/prediction models also include privacy and copyright.
- In this context, there are two broad types of data that you may be collecting: private data (from users) and scraped data (from datasets, internet)
- Private data refers to data not available in the public domain, and includes personal data that users may share with you.
  - Data protection is an important facet for all of us
  - How do you sustain as an organisation?

# Privacy and Copyright Considerations

- Scraped data: you may collect data from the internet that is available publicly, but there are distinctions in how you may use them:
  - Public domain: The information is not owned by anybody, is not protected under the IP regime, and is free to use
  - Proprietary information: Information is copyrighted, and must be used subject to the license restrictions stated by the owner ( ©, all rights reserved)
  - Open license: Information is copyrighted, but under the open license you have the right to modify/copy as the case may be.



# Contentions around Privacy and Copyright

- Scraping raw data public documents v. scraping from a dataset of public documents
- Mosaic effect: aggregating multiple datasets may reveal sensitive information that individually may not be discernible.
  - Netflix Prize Dataset study: de-anonymising movie viewing records
- Enterprise API v Consumer API

Trust and privacy are at the core of our products.

We give you tools to control your data—including easy opt-outs and permanent removal of deleted ChatGPT chats and API content from OpenAI's systems within 30 days.

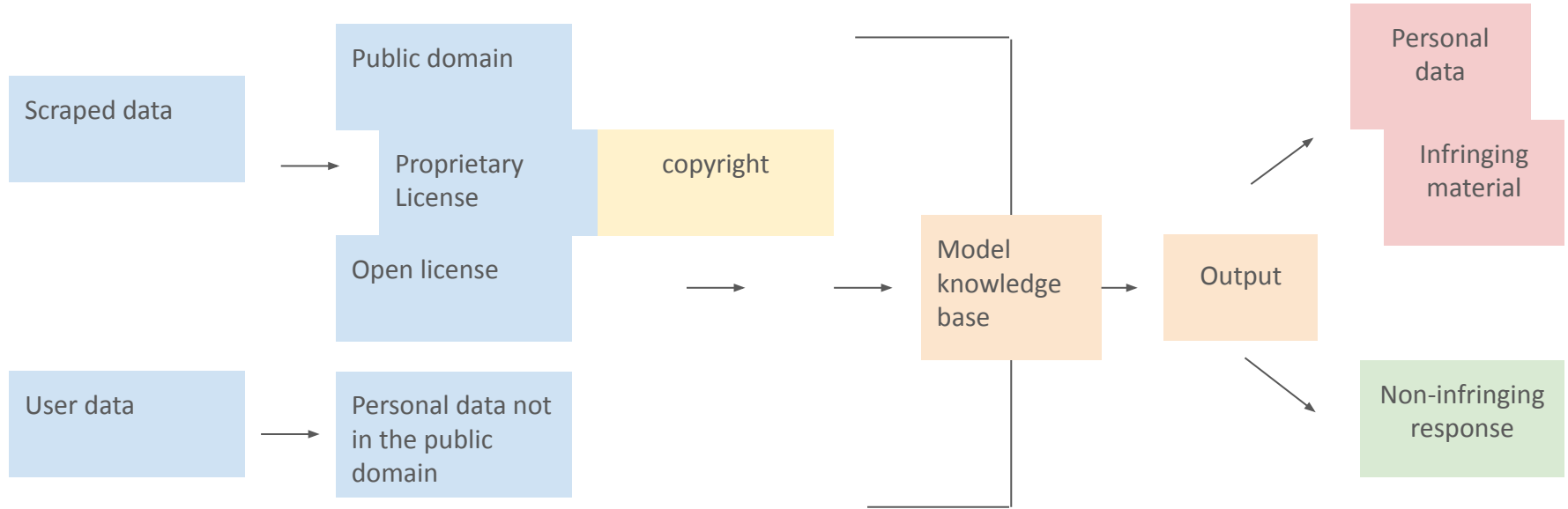
The New York Times and other plaintiffs have made a sweeping and unnecessary demand in their baseless lawsuit against us: retain consumer ChatGPT and API customer data indefinitely.

This fundamentally conflicts with the privacy commitments we have made to our users. It abandons long-standing privacy norms and weakens privacy protections.

We strongly believe this is an overreach by the New York Times. We're continuing to appeal this order so we can keep putting your trust and privacy first.

—Brad Lightcap, COO, OpenAI

# Data Mapping: Privacy and Copyright



# Preliminary Checklist

There are two types of data you can collect: personal data and public data  
With personal data, your checklist might look something like this:

- ☐ What personal data are you collecting?
- ☐ What is the purpose of the collection?
- ☐ How long do you plan on storing/retaining this data?
- ☐ Are you complying with industry standards for securing personal data?
- ☐ If you are collecting personal data from users,
  - ☐ Are you taking their consent?
  - ☐ How can they send requests for data deletion? What data deletion policy do you have in place?
- ☐ Are you using an enterprise account or a consumer account?

\*not to be constituted as legal advice

## Public data

With public data, your checklist looks slightly different:

- ❑ Check if there are any licensing requirements attached to it
  - ❑ Proprietary data should not be scraped, and should be used subject to a licensing agreement with the provider.
  - ❑ Data available under open data licenses have attribution requirements or specify how this data can be used, ensure you comply with that.

\*not to be constituted as legal advice



THANK YOU!