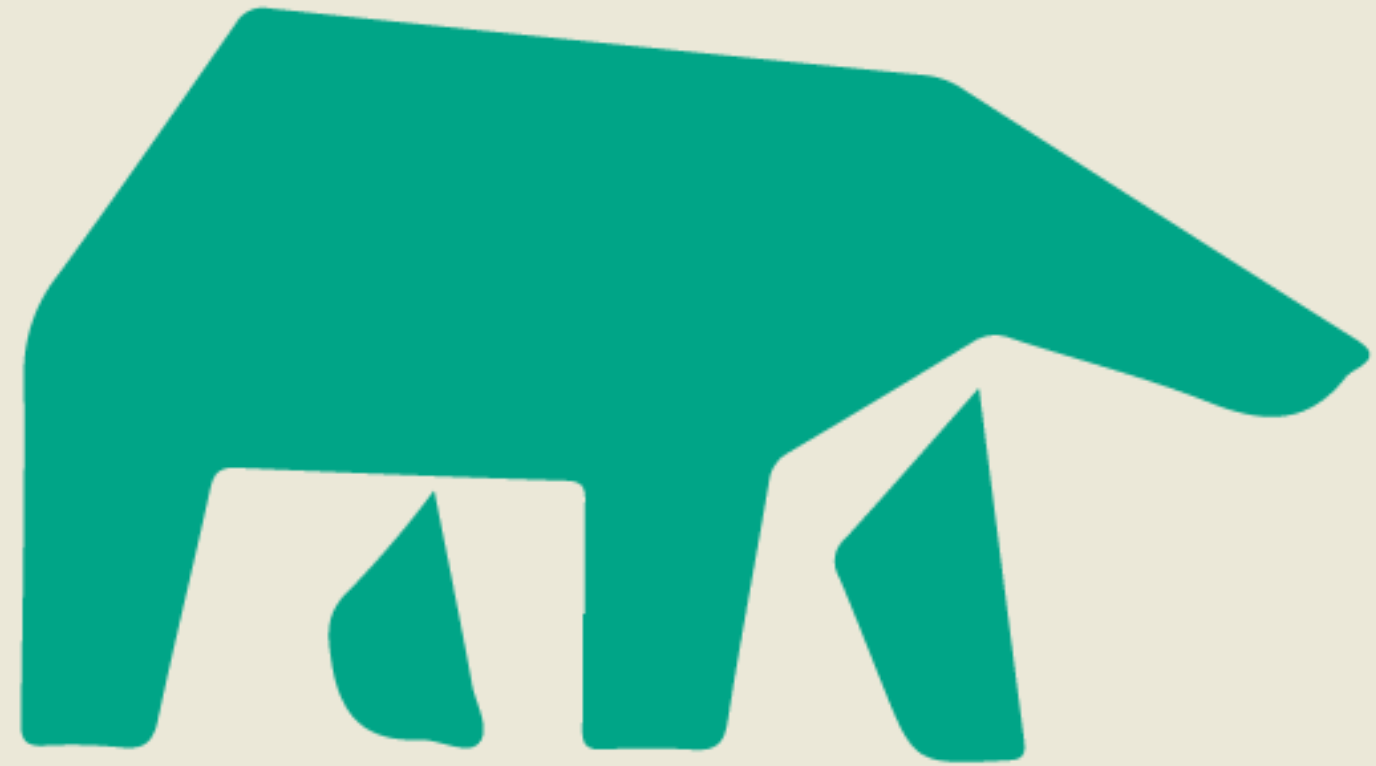Elina Kapetanaki, 8210050

# My First OSS Contribution

**My journey so far**

...I have chosen...

# What is MindsDB?

**Use AI Models in your Data**

**Connects to applications, databases, files**

application examples:

DB examples:

**Uses AI on that data**

Predictions

Chat Bots

Text Summarization

Sentiment Analysis

Classification

and many more...

# My Contribution Idea

Create API handler connecting MindsDB to Zotero
(a "help wanted" issue)

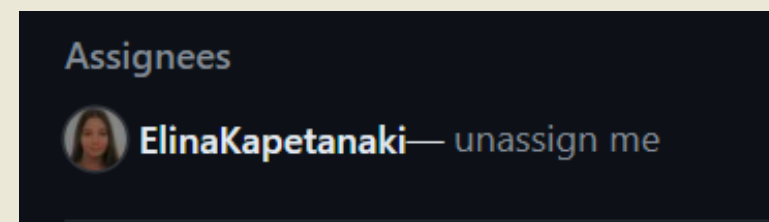Zotero: collect, organize, annotate, note and share research.

# My starting point

**Wrote personal draft (independent of MindsDB): connect to Zotero - API wrapper**

'annotationText': 'Writers are obviously at their most natural when they wri... ll go well to the extent that it retains its humanity. Therefore I urge peop onColor': '#ffd400', 'annotationPageLabel': '35', 'annotationSortIndex': '000 .945,312.537,351.045],[20.64,326.505,312.617,337.605],[20.8,313.065,312.376,
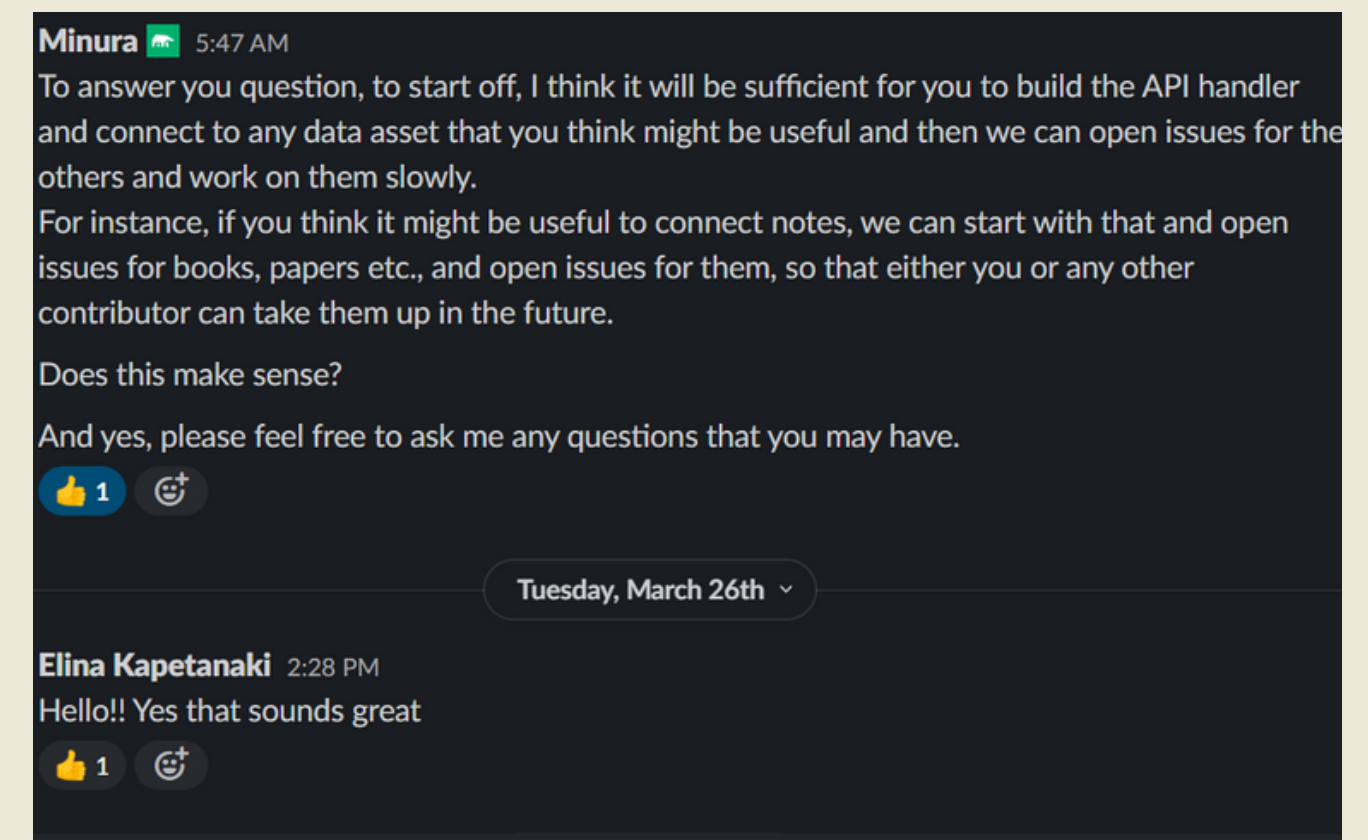
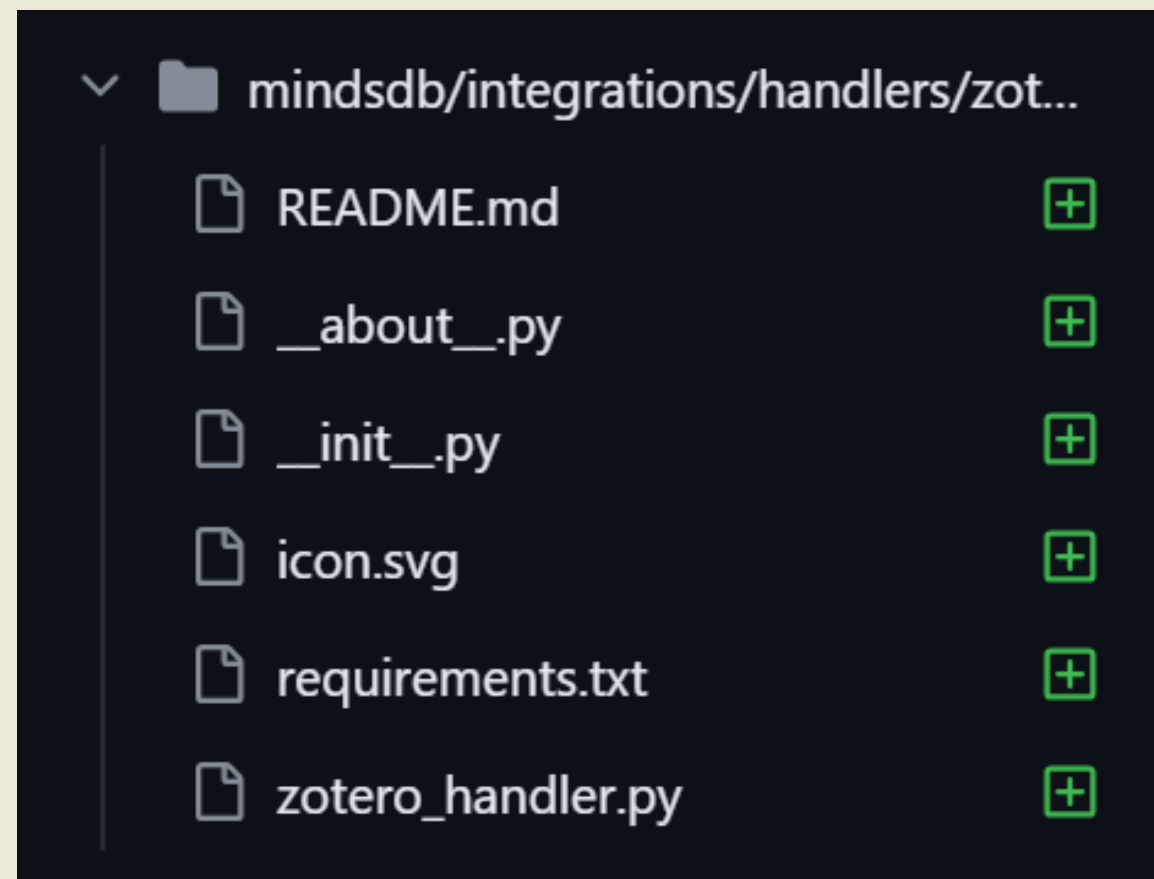5 python code lines

**Commented on issue and got assigned**

Assignees

ElinaKapetanaki— unassign me

**Feedback from the team**

Minura  5:47 AM
To answer you question, to start off, I think it will be sufficient for you to build the API handler and connect to any data asset that you think might be useful and then we can open issues for the others and work on them slowly.
For instance, if you think it might be useful to connect notes, we can start with that and open issues for books, papers etc., and open issues for them, so that either you or any other contributor can take them up in the future.

Does this make sense?

And yes, please feel free to ask me any questions that you may have.

👍 1  😊

Tuesday, March 26th  ⌄

Elina Kapetanaki  2:28 PM
Hello!! Yes that sounds great

👍 1  😊

# What I have done

MindsDB team instructions: focus on a Data Asset ➡ Zotero Annotations

## Write Zotero API Handler and Documentation

# What I have done

**Usage of Zotero API Handler : Selecting**
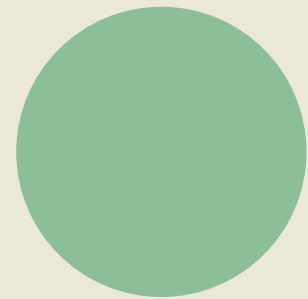
- All annotations in a library

- All annotations of a piece of research material (book, paper etc.)

- A specific annotation

to use MindsDB AI engines on them (text summarization etc.)

```
CREATE DATABASE mindsdb_zotero
WITH ENGINE = 'zotero',
PARAMETERS = {
  "library_id"          ,
  "library_type": "user",
  "api_key":          

SELECT * FROM mindsdb_zotero.annotations

SELECT * FROM mindsdb_zotero.annotations WHERE item_id =     

SELECT * FROM mindsdb_zotero.annotations WHERE parent_item_id =    
```

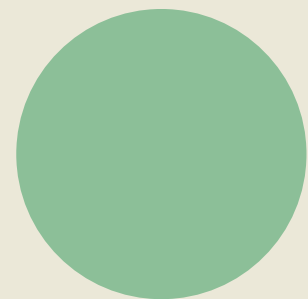| annotationPageLabel | annotationText |
|---|---|
| 171 | That's my idea of sensitive; I couldn't ask a writer to give me two more wonderful exam ration than gratitude. I also wonder: how many other examples of bat sensitivity did sh e able to choose those two? Always start with too much material. Then give your reader |
| 169 | Roueché s secret is as old as the art of storytelling. We are in on a chase and a myste e medical history of poisoning, or talk about standard texts on toxicology. He gives us lue one. Another way to help your readers understand unfamiliar facts is to relate them h. Reduce the abstract principle to an image they can visualize. |
| 168 | That was the appeal of the articles called "Annals of Medicine" that Berton Roueché wro er. They are detective stories, almost always involving a victim—some ordinary person s d a gumshoe obsessed with finding the villain. |
| 168 | The example of the linseed oil is just piquant enough to make us wonder what "memory" r |
| 168 | One problem has been to decide what memory is and what things have it. Linseed oil, for nce exposed to light, even if only briefly, it will change consistency and speed the se "remember" its first encounter with the light. |
| 167 | One human element is yourself. Use your own experience to connect the reader to some me e. In the following article on memory, notice how the writer, Will Bradbury, gives us a ab a complex subject: |
| 167 | Again, this means looking for the human element |

# Metrics

Python Code Lines
300

README lines
55

PEP8
`flake8 zotero_handler.py`
100%

Classes
2

Methods
7

Files Added
6

# Communication with team

## Slack

Minura 🐻 2:18 PM
Hey Elina,
It sounds like you've made great progress.
Would you mind opening up a draft PR?

## Open Draft Pull Request

Add zotero handler implementation

⏸ Draft  ElinaKapetanaki wants to merge 3 commits into mindsdb:staging fro

💬 Conversation  8    ⊶ Commits  3    ☑ Checks  1    ⊞ Files c

## Commits on Pull Request: 3

⊶ Commits on Apr 21, 2024

Fix PEP8 in Zotero Handler
👤 ElinaKapetanaki committed 38 minutes ago

Fix issues in Zotero Handler
👤 ElinaKapetanaki committed 53 minutes ago

⊶ Commits on Apr 16, 2024

Add zotero handler implementation
👤 ElinaKapetanaki committed last week

## Requested Changes: 1 (and resolved)

MinuraPunchihewa 3 days ago · edited ▾    Collaborator

I believe the handler has become unusable due to this error. Let me know if this fixes your issue. Try running the CREATE DATABASE statement again with this fix.

🙂

ElinaKapetanaki 3 days ago    Author

Great!! The CREATE DATABASE statement worked now! I will work on fixing a few things more and will update this pr.

🙂

ElinaKapetanaki 3 days ago    Author

The queries work!! Made quite a few changes to my code. I want to make it a bit cleaner and will update the pr with also some pictures of the functionality.

🙂

MinuraPunchihewa 3 days ago    Collaborator

@ElinaKapetanaki Sounds great! Just mark the PR as ready for review whenever you are ready and I will take a look.

🙂  👍 1

Reply...

Resolve conversation

ElinaKapetanaki added 2 commits 47 minutes ago

# Next steps

Write tests for my code

Write more documentation
with pictures of the functionality

Mark Pull Request from draft to open

Hope for MERGE

# Thank you for your time!