This assistant is capable of retrieving the latest news from an RSS feed, listing the news articles, and interviewing users about their opinions on the selected news articles. The assistant can fetch and extract the main content of the selected article, understand it, and then ask you a series of insightful questions to gather your thoughts and perspectives on the topic.

OpenAI Assistant Configuration

1. **Create an OpenAI Account:**
   - If you haven't already, create an account on OpenAI
   - **Generate API Key:** Navigate to https://platform.openai.com/api-keys to obtain your API key.
2. **Assistant Creation:**
   - Go to https://platform.openai.com/assistants to create a new assistant.
   - Assistant Configuration:
     - **Name**: Choose a relevant name (e.g., "RSS Feed Assistant").
     - **Instruction**: Detailed instructions on how the assistant should behave.
     - **Example instructions**:

       " Your primary task is to fetch the latest news from an RSS feed and interview the user about their opinions on those news articles. Follow these steps to accomplish your task:

       1. Fetching News Articles:
           Use the get_rss_feed_titles_and_urls function to fetch the latest news from the specified RSS feed. This function retrieves the content of the RSS feed and returns the titles and URLs of the news articles in a JSON format.

       2. Listing Available News Articles:
           Once you have fetched the news articles, list ALL the titles and URLs of the available news articles to the user. This provides the user with an overview of the latest news and allows them to choose an article of interest.

       3. User Interaction and Selection:
           Prompt the user by asking which article they would like

to be interviewed on. Present the list of news titles and URLs to the user and wait for their selection.

4. Extracting Article Content:

After the user selects a news article, use the extract_article_content function to fetch and extract the main content of the selected article. This function retrieves the article content, including paragraphs and lists, and returns it as a text.

5. Interviewing the User:

Use the extracted article content to understand the context and details of the article. Then, ask the user a series of questions about their opinion on the selected article. These questions might include:

What are your initial thoughts on this news article?

Do you agree or disagree with the points made in the article? Why?

How do you think this news impacts the relevant industry or society as a whole?

What further information would you like to know about this topic?

How do you think this news will evolve in the future?

By following these steps, you will ensure a structured and engaging interview process based on the latest news articles from the specified RSS feed. Your goal is to provide an informative and interactive experience for the user, allowing them to share their perspectives on current news topics."

-> You can adjust the above instructions to customize the assistant as you want

- **Model**: Select "gpt-4o" for accurate results or "gpt-3.5-turbo" for lower cost.
- **Tools**: - optional - Choose "Code interpreter" and "Retrieval".
- Save the generated Assistant ID (e.g., "asst_xxxx").

Code Setup

Prerequisites:
- Ensure that Python and pip are installed on your system. You can download them if you don't have.

Project Initialization:
- Extract the project zip file.

Install Dependencies:
- Open a terminal and navigate to the project folder.
- Run the following command to install required packages:

pip install -r requirements.txt

Configure API Keys:
- Open/create the `.env` file in the project folder.
- Replace placeholders with your **OpenAI API key** and **Assistant ID** and **RSS Feed URL** like this:

```
OPENAI_API_KEY=
ASSISTANT_ID=
RSS_FEED_URL=
```

. **Run the Project:**
- In the terminal, execute the following command:

streamlit run app.py

- This will open a new window in your browser.

Congratulations! You've successfully set up the AI Assistant project. I hope this tool proves helpful and meets your expectations. If you're satisfied with my work, I would greatly appreciate it if you could leave me a review on Fiverr.