Website Content Question Answering Web Application

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By Alami Abderrahman

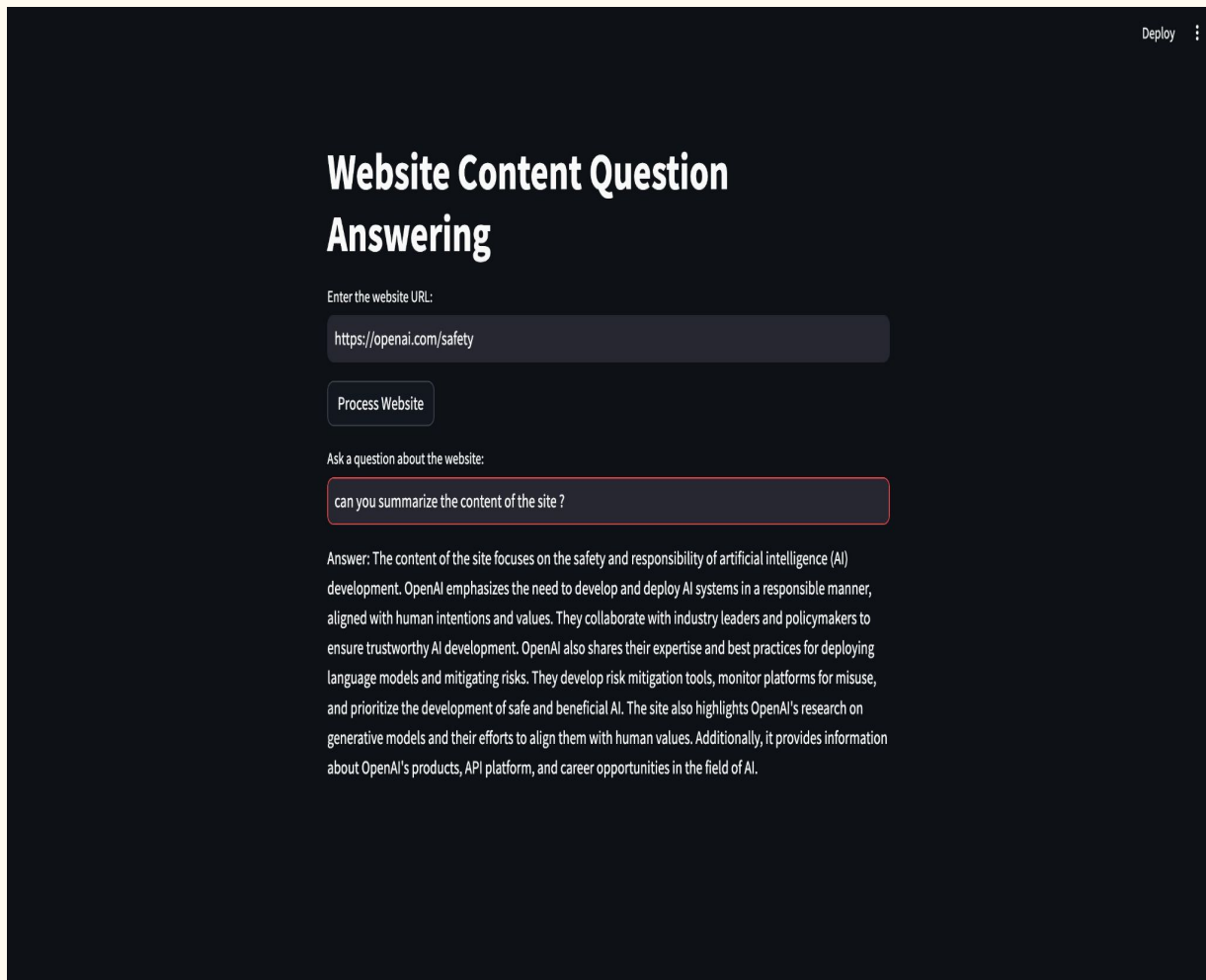# A Streamlit-based web application using OpenAI

Overview

- Streamlit-based web application

- Input a website URL

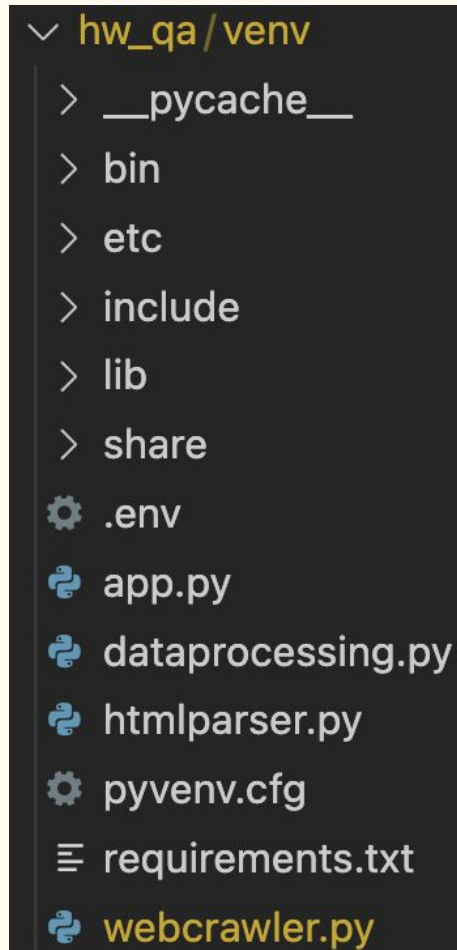- Process and analyze its content

- Ask questions and get answers

Features

1. Website URL Input

2. Web Crawling

3. Question & Answering

Website Content Question Answering

Enter the website URL:

https://openai.com/safety

Process Website

Ask a question about the website:

can you summarize the content of the site ?

Answer: The content of the site focuses on the safety and responsibility of artificial intelligence (AI) development. OpenAI emphasizes the need to develop and deploy AI systems in a responsible manner, aligned with human intentions and values. They collaborate with industry leaders and policymakers to ensure trustworthy AI development. OpenAI also shares their expertise and best practices for deploying language models and mitigating risks. They develop risk mitigation tools, monitor platforms for misuse, and prioritize the development of safe and beneficial AI. The site also highlights OpenAI's research on generative models and their efforts to align them with human values. Additionally, it provides information about OpenAI's products, API platform, and career opportunities in the field of AI.

Key Modules

1.   Web Crawling

2.   Data Processing

3.   HTML Parsing

4.   Streamlit UI (Main App)

hw_qa / venv

> __pycache__
> bin
> etc
> include
> lib
> share
.env
app.py
dataprocessing.py
htmlparser.py
pyvenv.cfg
requirements.txt
webcrawler.py

Dependencies

1.   Streamlit

2.   OpenAI

3.   BeautifulSoup4

4.   Numpy & Pandas

5.   Requests

How to Run

1.   Clone the repository

```
abderrahmane@Abderrahmanes-MacBook-Pro ~ % git clone https://github.com/Alami64/ChatGPT.git
```

How to Run

1.   Navigate to the project directory

```
[abderrahmane@Abderrahmanes-MacBook-Pro Practical Application to Algorithms % cd chatgpt
[abderrahmane@Abderrahmanes-MacBook-Pro chatgpt % cd chatgpt
[abderrahmane@Abderrahmanes-MacBook-Pro chatgpt % ls
__pycache__             dataprocessing.py       lib                     share
app.py                  etc                     pyvenv.cfg              webcrawler.py
bin                     htmlparser.py           requirements.txt
abderrahmane@Abderrahmanes-MacBook-Pro chatgpt %
```

How to Run

1. Set up the .env file with the necessary keys

```
abderrahmane@Abderrahmanes-MacBook-Pro Practical Application to Algorithms % cd chatgpt
abderrahmane@Abderrahmanes-MacBook-Pro chatgpt % cd chatgpt
abderrahmane@Abderrahmanes-MacBook-Pro chatgpt % ls
__pycache__              dataprocessing.py          lib                       share
app.py                   etc                        pyvenv.cfg                webcrawler.py
bin                      htmlparser.py              requirements.txt
abderrahmane@Abderrahmanes-MacBook-Pro chatgpt % touch .env
abderrahmane@Abderrahmanes-MacBook-Pro chatgpt %
```

```
ChatGPT > chatgpt > ⚙ .env
1    OPENAI_API_KEY = Your Api key here
2
```
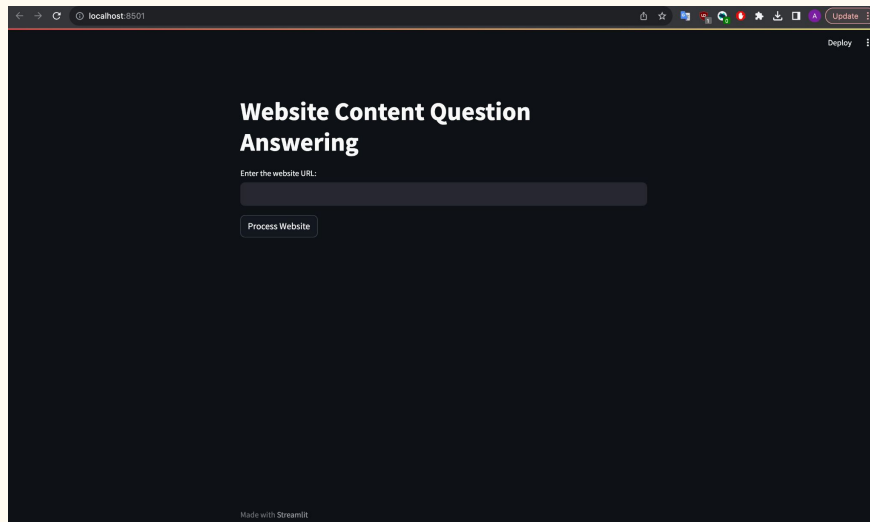
How to Run

1. Install dependencies

```
abderrahmane@Abderrahmanes-MacBook-Pro chatgpt % pip install -r requirements.txt
```

How to Run

1. Navigate the Directory where app.py is visible

2. Run the command "streamlit run app.py"

3. You will be directed to the website.

How to Run

1. You can input a website link using the format "https://example.com".

2. Then click on Process website, it will crawl the website and then it will be ready for questions

Website Content Question Answering

Enter the website URL:

https://openai.com

Process Website

Website Crawled Successfully

Ask a question about the website:

Website Content Question Answering

Enter the website URL:

https://openai.com

Process Website

Ask a question about the website:

what's the latest updates an their dates ?

Answer: The latest updates mentioned in the context are:

1. ChatGPT can now see, hear, and speak - September 25, 2023
2. DALLÂ·E 3 - September 20, 2023
3. OpenAI Red Teaming Network - September 19, 2023
4. Join us for OpenAIâ€™s first developer conference on November 6 in San Francisco - September 6, 2023

Please note that this information is based on the context provided and there may be more recent updates that are not mentioned.

Links

- https://github.com/Alami64/ChatGPT/tree/main/chatgpt