CASE STUDY

ENHANCEMENT OF WIKI BOX INCLUDING WIKIPEDIA DATA CRAWLING FOR PRIVACY SEARCH ENGINE.
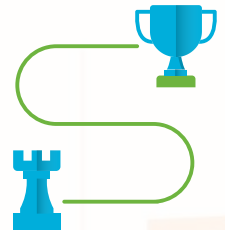
Our Client

- As online privacy continues to be a pressing issue, our client has taken the initiative to develop a privacy-focused search engine that puts user data protection at the forefront.

- Our client's search engine prioritizes user privacy by not storing search history or monitoring user activity, and it does not sell user data to third parties. With anonymous browsing and strict data protection measures in place, our client is committed to improving online privacy and security for all internet users. Their privacy-focused search engine has added a new feature called the "Wiki Box" that provides dedicated information display by crawling Wikipedia pages.
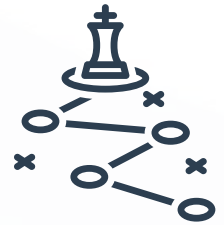
Goals

Implement an update existing Wiki Box functionality by integrating a dynamic information display system from Wikipedia. The feature will include the following enhancements:

- Dedicated Information Display: The information displayed will be relevant to the searched topic and data will crawl from Wikipedia and display results in Wiki Box by providing a more efficient and accurate results.

- Category Support: The introduction of the "Category Support" feature will allow for the categorization and organization of information obtained through Wikipedia crawling, resulting in improved accessibility.

- Template Feature: The addition of this feature will improve the presentation of information obtained through Wikipedia parsing.

- Key Term Integration: The inclusion of various key terms such as Date of Birth, Address, Common Image, Description, Name, etc. will provide users with a comprehensive understanding of the information displayed.

The goal is to provide a comprehensive and organized display of information, through these technical and professional enhancements to the Wiki Box functionality.

Value Delivered

Improved User Experience: The Wiki Box provides a more organized and comprehensive source of information, leading to a quicker and more intuitive access for users.

Increased Accuracy: The integration of Wikipedia data into the Wiki Box, using Python Scrapy, ensures that the displayed information is accurate and up-to-date.

Structured Information Display: The implementation of a Template Feature enhances the presentation of information by offering a clear and visually appealing layout, making it easier for users to understand and comprehend the content.

Improved Organization: The Category Support feature enables users to categorize and organize the information displayed in the Wiki Box, making it easier for them to find what they need.

Term-Based Retrival : The Key Term Integration provides users with a comprehensive understanding of the information displayed, including important details such as the topic's date of birth, address, image, description, and name.

Increased Efficiency: The Dedicated Information Display feature ensures that the information displayed in the Wiki Box is relevant to the searched topic, providing users with more efficient and accurate results and improving their overall experience by saving them time.

Technology Used

Scrapy

python™

FastAPI

docker

amazon
web services

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