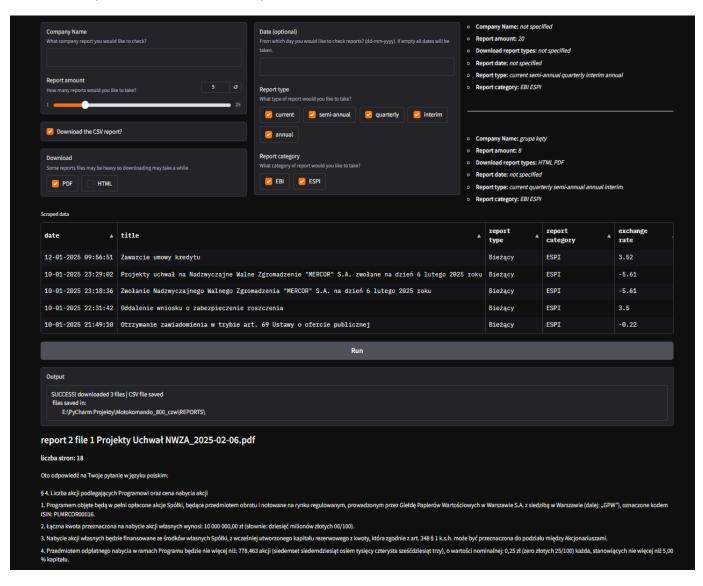
GPW Scraping Tool

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What is a GPW Scraping Tool?

GPW (stock exchange) Scraping Tool is a tool that allows you to download reports from the WSE stock exchange. The tool uses a scraping script that automatically downloads reports for selected companies, based on certain parameters.



Functionality

- 1. Downloading reports for selected companies from the Stock Exchange.
- 2. Filtering of reports based on date, report type and category.
- 3. Ability to download attachments in PDF or HTML format.
- 4. Exporting data to CSV file.
- 5. Exporting data to MYSQL database.
- 6. Summary downloaded reports
- 7. Displays history searches

Content

- user_interface.py: Gradio-based graphical user interface for convenient parameter entry and display of results.
- scrape_script.py: Script responsible for downloading reports and attachments from the stock exchange.
- summary.py: Part responsible for summarise using local model
- database_connection.py: Part responsible for database operations
- gpw_data.sql: MySQL database with structure and example data
- REPORTS: folder that will be created when you run the script. Reports and CSV data are saved here.

Requirements

- At least 10GB free on disk
- git
- Windows only (for now)
- Internet connection
- NVIDIA GPU (The better the GPU, the faster the summaries will show up)
- Python 3.12 (Microsoft store)
- any database hosting like XAMPP (https://www.apachefriends.org/pl/download.html)
- ollama installed with llama3.2:latest model (https://ollama.com/)

Installation

Open CMD in desire directory and clone project using: ### Step 1 (clone repository)

qit clone https://github.com/xHezuSx/Motokomando_800_czw

Step 2 (setup database)

- 1. run XAMPP with apache and MYSQL
- 2. click Admin button browser with admin panel will appear
- 3. select New and name database gpw data and click Create. **IMPORTANT name has** to be gpw data otherwise it won't work
- 4. select Import section and select gpw_data.sql file from cloned repository
- 5. scroll down and click Import

Step 3 (setup ollama)

- 1. Download ollama (https://ollama.com/)
- 2. Ollama PATH = C:\Users\<USERNAME>\AppData\Local\Programs\Ollama it's your username on Windows
- 3. open settings search for environment variables for system
- 4. click environment variables select PATH and edit
- 5. click New and paste your ollama PATH

Step 4 (download model)

1. Open CMD and run download AI model (2GB)

```
ollama pull llama3.2
```

2. after download use:

ollama serve

Step 5 (install dependencies)

On windows right click on folder where project is, select "open in terminal/CMD" option and run following command:

```
pip install -r requirements.txt
```

Usage

Step 1 (make sure ollama is running)

open CMD and use comamnd

ollama serve

Step 2 (make sure XAMPP (or other MySQL engine) is running)

On windows right click on folder where project is, select "open in terminal/CMD" option and run following command:

Step 3 (Run app)

If you run app for the first time it will take more time

```
python .\user_interface.py
```

if everything is good you should see Running on local URL: http://127.0.0.1:7860 Simply open the link and voilà:)

Pssst... don't worry about warnings in CMD