

Code Description

Website and REST API

1. src/main_streamlit.py

Main file for streamlit website.

2. src/main.py

Main file for REST API endpoints which provide programmatic access to the application's functionality

3. src/scrapper.py

Contains methods to scrap individual websites to retrieve searched items.

4. src/scrapper_mt.py

Contains methods to scrap individual websites to retrieve searched items using multithreading. It provides much better performance than scrapper.py

5. src/configs.py

Contains the configurations for website scrapers.

6. src/configs_mt.py

Contains the configurations for multithreaded website scrapers. It offers enhanced configurability for the multithreaded scraping process.

7. src/url_shortener.py

Contains method to shorten large urls using pyshorteners (tiny.cc) API

8. src/formattr.py

Contains additional utility methods to format search queries, URLs, results and other texts.

9. slash_user_interface.py

Main file for Streamlit web-facing user interface with integrating functionality of searching products and presenting the results.

Mobile Application (Android and IOS)

1. main.dart

Entry point for the flutter application. To create and run the application.

2. home_page.dart

Main UI of the application. Display search interface.

3. result_page.dart

Loads the screen for displaying results.

4. pubspec.yaml

Contains all the dependencies of the project.

5. Assets/

Contains assets like images and font configurations.