

Code Description

web_scrappers

1. FetchDescription.py

- function fetch_desc_amazon
The function fetch_desc_amazon parses the link and gets the product description
- function fetch_desc_walmart
The function fetch_desc_walmart parses the link and gets the product description
- function fetch_desc_ebay
The function fetch_desc_ebay parses the link and gets the product description
- function fetch_desc_costco
The function fetch_desc_costco parses the link and gets the product description
- function fetch_desc_bestbuy
The function fetch_desc_bestbuy parses the link and gets the product description
- function fetch_desc_bjs
The function fetch_desc_bjs parses the link and gets the product description

6. WebScraper.py

- function scrapper(product_description):
Checks for each ecommerce platform the product_description(parameter of function) for details. Details include description, price and url. This function returns these details as a dictionary.

7. web_scrapper_amazon.py

- function get_url_amazon(search_term):
This function returns the Amazon url of the product (search_term) given as an argument.
- function scrap_amazon(driver, search_term)
Webpage of the product corresponding to search_term is retrieved using BeautifulSoup.
- function run(search_term)
Extracts the product description, price , URL and website name corresponding to search_term and returns it through a dictionary variable.

8. web_scrapper_bjs.py

- function get_url_bjs(search_term):
This function returns the bjs url of the product (search_term) given as an argument.
- function scrap_bjs(driver, search_term)
Webpage of the product corresponding to search_term is retrieved using BeautifulSoup.
- function run(search_term)
Extracts the product description, price , URL and website name corresponding to search_term and returns it through a dictionary variable.

9. web_scrapper_ebay.py

- function get_url_amazon(search_term):
This function returns the Amazon url of the product (search_term) given as an argument.
- function scrap_ebay(search_term)
Webpage of the product corresponding to search_term is retrieved using BeautifulSoup.
- function run(search_term)
Extracts the product description, price , URL and website name corresponding to search_term and returns it through a dictionary variable.

10.web_scrapper_walmart.py

- function get_url_walmart(search_term):
This function returns the Walmart url of the product (search_term) given as an argument.
- function scrap_walmart search_term)
Webpage of the product corresponding to search_term is retrieved using BeautifulSoup.
- function run(search_term)
Extracts the product description, price , URL and website name corresponding to search_term and returns it through a dictionary variable.

11. web_scrapper_costco.py

- function get_url_costco(search_term):
This function returns the Costco url of the product (search_term) given as an argument.
- function scrap_costco(search_term)
Webpage of the product corresponding to search_term is retrieved using BeautifulSoup.
- function run(search_term)

Extracts the product description, price , URL and website name corresponding to search_term and returns it through a dictionary variable.

12.web_scrapper_Bestbuy.py

- function get_url_bestbuy(search_term):
This function returns the Amazon url of the product (search_term) given as an argument.
- function scrap_bestbuy(search_term)
Webpage of the product corresponding to search_term is retrieved using BeautifulSoup.
- function run(search_term)
Extracts the product description, price , URL and website name corresponding to search_term and returns it through a dictionary variable.

extension

11. index.html

Default page of an extension that opens when the extension is clicked.

12. main.css

This cascading style sheet (CSS) file provides format and style for the contents of the extension display.

13. manifest.json

Config file of an extension that provides important information regarding the extension.

14. popup.js

This popup.js file fetches the url of the current tab and passes to the server. The response is generated from the server which fetches the same product from different websites and displays it on the extension.

15. robot.txt

A robots.txt file tells search engine crawlers which URLs the crawler can access on your site.