amazon-api-datakund

Release 0.0.1

datakund

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CONTENTS:

CHAPTER

ONE

INTRODUCTION

`datakund` is an automation library which can be used to automate tasks like sending mails,scraping data,auto checkout and many more. You can download the source code from here(see here)

It uses selenium to automate the things. You can use its inbuilt functions like `amazon_login`, `amazon_search` etc. in a very easy way.

CHAPTER

TWO

INSTALLATION/USAGE:

You can find this package on Pypi (see here).

Command to install :- `pip install datakund`

CHAPTER

THREE

IMPORT DATAKUND

```
from datakund import *
```

CHAPTER

FOUR

CREATING OBJECT

```
amazon=datakund.amazon()
```

It will return the object which you can further use to call amazon functions and opens an automated browser

CHAPTER

FIVE

FUNCTIONS

`datakund` provides following functions for amazon:-

5.1 Login

It logins to the amazon through credentials passed in `email` and `password`. By default it logins to amazon.com, but you can login to others by passing login url in `login_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`login`**(*email='datakund@gmail.com'*, *login_url='https://www.amazon.com/gp/sign-in.html'*, *password='pwd123'*)

Parameters

- **`email`** (*str*) – amazon email
- **`login_url`** (*str*) – amazon login url(can exclude it)
- **`password`** (*str*) – amazon password

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.2 Logout

It goes to homepage and then log out from amazon. By default log outs from amazon.com, can send other url in `home_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`logout`**(*home_url='https://www.amazon.in/'*)

Parameters **`home_url`** (*str*) – Home Url

Returns {“body”: {}, “success_score”: “100”, “errors”: []}

Return type dict

5.3 Search

It searches the keyword passed in `keyword`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`search`**(*keyword='shoes'*)

Parameters **`keyword`** (*str*) – keyword which needs to be searched on amazon

Returns {“body”: {}, “success_score”: “100”, “errors”: []}

Return type dict

5.4 Select Brand

It selects the brand passed in `brand` when search is made.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`select_brand`**(*brand='Adidas'*)

Parameters **`brand`** (*str*) – Brand name like Nike if you searched shoes

Returns {“body”: {}, “success_score”: “100”, “errors”: []}

Return type dict

5.5 Select Category

It selects the category passed in `category` when search is made.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`select_category`**(*category='Clothes'*)

Parameters **`category`** (*str*) – Category name like shoes/clothes

Returns {“body”: {}, “success_score”: “100”, “errors”: []}

Return type dict

5.6 Get Reviews

It fetches the reviews data from reviews page opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`get_reviews`**`()`

Returns {"body": [{'Stars': 'Stars', 'Review Link': 'Review Link', 'Review': 'Review'}], "success_score": "100", "errors": []}

Return type dict

5.7 Add To Cart

It adds the product to cart passed in `product_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`add_to_cart`**`(`*product_link='https://www.amazon.in/Sony-WF-XB700-Wireless-Bluetooth-Headphones/dp/B085VQFZ8Z/ref=sr_1_2_sspa?dchild=1&keywords=jbl+earbuds&pd_rd_r=9f5d38ab-dcc6-4c29-bef0-e646dffbc5a3&pd_rd_w=3Paz5&pd_rd_wg=F14yq&pf_rd_p=1abe8808-d6bc-4840-858b-6acddb119a7a&pf_rd_r=MST8X5YENPSB71RQ87KS&qid=1613454716&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyWU1LOVBNVFBWMzI4JmVuY3J5cHRlZE*

Parameters **`product_link`** (*`str`*) – product link

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.8 Search Results

It fetches the data of amazon search results.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`search_results`**`()`

Returns {"body": [{'Link': 'Link', 'Price': 'Price', 'Title': 'Title'}], "success_score": "100", "errors": []}

Return type dict

5.9 Click Next

It clicks Next button on amazon search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.click_next()`

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.10 Buy

It goes to product url passed in `product_url` and clicks on buy button.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.buy(`*product_url='https://www.amazon.in/Sony-WF-XB700-Wireless-Bluetooth-Headphones/dp/B085VQFZ8Z/ref=sr_1_2_sspa?dchild=1&keywords=jbl+earbuds&pd_rd_r=9f5d38ab-dcc6-4c29-bef0-e646dffbc5a3&pd_rd_w=3Paz5&pd_rd_wg=F14yq&pf_rd_p=1abe8808-d6bc-4840-858b-6acddb119a7a&pf_rd_r=MST8X5YENPSB71RQ87KS&qid=1613454716&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyWU1LOVBNVFBWMzI4JmVuY3J5cHRlZElkPUEwNT*`)

Parameters **product_url** (*str*) – link of product

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.11 Select Payment Method

It chooses the payment method passed in `payment_method`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.select_payment_method(`*credit_card='Net Banking'*`)`

Parameters **credit_card** (*str*) – Credit Card

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.12 Select Bank

It chooses the bank passed in `bank`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`select_bank`**(*bank='HDFC Bank'*)

Parameters **bank** (*str*) – bank name e.g. HDFC Bank

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.13 Place Order

It places the order after payment method is choosen.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`place_order`**()

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.14 Fill Cvv

It fills CVV passed in `cvv`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.`**`fill_cvv`**(*cvv='234'*)

Parameters **cvv** (*str*) – Debit/Credit card cvv

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.15 Click Next Reviews

It clicks Next button on the reviews page opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.click_next_reviews()`

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.16 Product Info

It fetches information of the product passed in `product_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

`amazon.product_info(`*product_url='https://www.amazon.in/Sony-WF-XB700-Wireless-Bluetooth-Headphones/dp/B085VQFZ8Z/ref=sr_1_2_sspa?dchild=1&keywords=jbl+earbuds&pd_rd_r=9f5d38ab-dcc6-4c29-bef0-e646dffbc5a3&pd_rd_w=3Paz5&pd_rd_wg=F14yq&pf_rd_p=1abe8808-d6bc-4840-858b-6acddb119a7a&pf_rd_r=MST8X5YENPSB71RQ87KS&qid=1613454716&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyWU1LOVBNVFBWMzI4JmVuY3J5cHRlZ*`)

Parameters **product_url** (*str*) – product url

Returns {"body": {'Review Terms': 'Review Terms', 'NoOfRatings': 'NoOfRatings', 'ReviewsLink': 'ReviewsLink', 'Price': 'Price', 'Ratings': 'Ratings', 'Description': 'Description', 'Features': 'Features', 'Offers': 'Offers', 'Title': 'Title'}, "success_score": "100", "errors": []}

Return type dict

5.17 Login Cookie

It logins to the amazon through cookies passed in `cookies`. By default it logins to amazon.com , but you can pass login url in `login_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

amazon.**login_cookie**(*login_url="https://www.amazon.com/gp/sign-in.html",cookies=[{"domain": ".amazon.in","expirationDate": 1644991052.296449,"hostOnly": false,"httpOnly": false,},..]*)

Parameters

- **login_url** (*str*) – e.g www.amazon.in
- **cookies** (*str*) – list of cookies

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

CHAPTER

SIX

OTHER FUNCTIONS

You can use basic functions which selenium provides with this library like opening a url, get pagesource, get current url etc. These are the functions:-

6.1 Open

It will open the url provided in the argument.

amazon.**open**(*url*)

Parameters **url** (*str*) – Link which need to be opened

Returns {}

Return type dict

6.2 Get Page Title

It returns the title of page opened.

amazon.**get_page_title**()

Returns {“pagetitle”:”amazon”}

Return type dict

6.3 Get Page Source

It returns the pagesource of page opened.

amazon.**get_page_source**()

Returns {“pagesource”:”pagesource”}

Return type dict

6.4 Get Current Url

It returns the pagesource of page opened.

amazon.**get_current_url**()

Returns {"url":"url"}

Return type dict

6.5 Reload

It reloads the page opened.

amazon.**reload**()

Returns {}

Return type dict

6.6 Keypress

It perform the keypress passed.

amazon.**keypress**(*key*)

Parameters **key** (*str*) – Key which need to be pressed, e.g pagedown,arrowleft,enter

Returns {}

Return type dict

6.7 Scroll

It scrolls to the end of page.

amazon.**scroll**()

Returns {}

Return type dict

6.8 End

It ends the amazon session and close the automated chromedriver.

Note: You will need to create amazon object again after `end()`.

amazon.**end**()

Returns {}

Return type dict

6.9 Quit

It quits the datakund application runing in background.

Note: You will need to import datakund library again to start datakund application.

amazon.**quit**()

Returns {}

Return type dict

INDEX