
twitter-api-datakund

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datakund

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INTRODUCTION

`bot-studio` is an automation library which can be used to automate tasks like sending mails,scraping data,auto check-out 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 in a very easy way.

INSTALLATION/USAGE:

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

Command to install :- `pip install bot-studio`

IMPORT DATAKUND

```
from bot_studio import *
```


CREATING OBJECT

```
twitter=bot_studio.twitter()  
or  
twitter=bot_studio.twitter(headless=True,...)
```

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

4.1 Browser Options

Option	Default Value	Description
headless	False	Can set it to True if wants headless
proxy	No proxy	Pass proxy value e.g 98.0.2.5:4000
profile_path	creates temporary profile	Pass profile path e.g C:\Users\username\AppData\Local\Google\Chrome\User Data\
user_agent	No user agent	Pass user agent e.g python 2.7", "platform": "Windows
download_folder	Downloads in default folder	If want to set download directory to custom e.g E:files\

FUNCTIONS

bot-studio provides following functions for twitter:-

5.1 Login

It logs in to twitter through credentials passed in `username` and `password`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.login(username='datakund@gmail.com', password='pwd@123')
```

Parameters

- **username** (*str*) – Twitter Username
- **password** (*str*) – Twitter Password

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

Return type dict

5.2 Follow

It follow the profile passed in `profile_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.follow(profile_url='https://twitter.com/whitehatjunior')
```

Parameters `profile_url` (*str*) – Profile url need to be followed

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

Return type dict

5.3 Unfollow

It unfollow the profile passed in `profile_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.unfollow(profile_url='https://twitter.com/whitehatjunior')
```

Parameters `profile_url` (*str*) – Profile url need to be unfollowed

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

Return type dict

5.4 Get User

It fetches the data of profile passed in `profile_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.get_user(profile_url='https://twitter.com/whitehatjunior')
```

Parameters `profile_url` (*str*) – Profile url whose information need to be fetched

Returns {"body": {'Location': 'Location', 'Twitter_Id': 'Twitter_Id', 'Info': 'Info', 'DOB': 'DOB', 'Joined': 'Joined', 'Followers': 'Followers', 'Name': 'Name', 'TweetsCount': 'TweetsCount', 'Website': 'Website', 'Following': 'Following'}, "success_score": "100", "errors": []}

Return type dict

5.5 Like

It likes the tweet whose link is passed in `tweet_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.like(tweet_url='https://twitter.com/whitehatjunior/status/1361262548410982402')
```

Parameters `tweet_url` (*str*) – Tweet url which need to be liked

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

Return type dict

5.6 Post

It tweets on twitter with text passed in `tweet`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.post(tweet='Hi everyone, hope doing well')
```

Parameters `tweet` (*str*) – Tweet which need to be posted

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

Return type dict

5.7 Post Image

It posts image on twitter with text passed in `tweet` and image path in `image_path`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.post_image(image_path='C:/Users/image.png', tweet='Hi...')
```

Parameters

- **image_path** (*str*) – Image file path which needs to be posted on twitter
- **tweet** (*str*) – Tweet or description

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

Return type dict

5.8 Retweet

It retweets on tweet passed in `tweet_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.retweet(tweet_url='https://twitter.com/whitehatjunior/status/1361262548410982402')
```

Parameters `tweet_url` (*str*) – Tweet link where need to retweet

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

Return type dict

5.9 Trending

It fetches the trending keywords from twitter opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.trending()
```

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

Return type dict

5.10 Get Followers

It follow the profile passed in `profile_url`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.get_followers()
```

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

Return type dict

5.11 Get Tweets

It fetches the tweets from the page opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.get_tweets()
```

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

Return type dict

5.12 Get Retweets

It fetches the retweets from the page opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.get_retweets()
```

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

Return type dict

5.13 Get Tweet Links

It fetches the tweet links from the page opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.get_tweet_links()
```

Returns {"body": [{"retweetlink": 'retweetlink', 'TweetLink': 'TweetLink', 'Tweet': 'Tweet'}], "success_score": "100", "errors": []}

Return type dict

5.14 Save Image Links

It fetches the image src's of all images from page opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.save_image_links()
```

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

Return type dict

5.15 Login Cookie

It logs in to the twitter through list of cookies passed in `cookies`

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
twitter.login_cookie(cookies=[{'domain': '.twitter.com', 'expirationDate': 1676527503, 'hostOnly': false,
                               'httpOnly': false}, ...])
```

Parameters `cookies` (*str*) – list of cookies of twitter

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

Return type dict

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.

```
twitter.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.

```
twitter.get_page_title()
```

Returns {"pagetitle": "twitter"}

Return type dict

6.3 Get Page Source

It returns the pagesource of page opened.

```
twitter.get_page_source()
```

Returns {"pagesource": "pagesource"}

Return type dict

6.4 Get Current Url

It returns the pagesource of page opened.

`twitter.get_current_url()`

Returns {"url": "url"}

Return type dict

6.5 Reload

It reloads the page opened.

`twitter.reload()`

Returns {}

Return type dict

6.6 Keypress

It perform the keypress passed.

`twitter.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.

`twitter.scroll()`

Returns {}

Return type dict

6.8 End

It ends the twitter session and close the automated chromedriver.

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

`twitter.end()`

Returns {}

Return type dict

6.9 Quit

It quits the bot-studio application running in background.

Note: You will need to import bot-studio library again to start application.

`twitter.quit()`

Returns {}

Return type dict

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