
simplegist Documentation

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Helps in carrying out easy workflow for maintaining gists

FEATURES

- Creating gists returning the url, script and clone link for copy-paste purpose
- Checkout one's gists - Name(s), Description and Content
- Edit and Delete a gist
- Search GitHub user's gist - fork, star and unstar them
- List comments of any gist, make/edit a comment on a gist, delete a comment

INSTALLATION

```
$ pip install simplegist
```

Or download it from [here](#) and then,

```
$ cd /to/this/directory/  
$ python install setup.py
```


GENERATING GITHUB API ACCESS TOKEN

Go to Github's Account settings > Applications Create a new token and use it for making API requests instead of password.

CREATING AN INSTANCE

```
# if USERNAME and API_TOKEN are not provided in config.py
GHgist = Simplegist(username='USERNAME',api_token='API_TOKEN')

# else
GHgist = Simplegist()
```


EXAMPLE USAGE

Below is an example to getting started with using GistAPI and its useful functionalities.

```
from simplegist import SimpleGist

# provide USERNAME and API_TOKEN in config.py file, so just, GHgist = Gist(), OR,
GHgist = Simplegist(username='USERNAME', api_token='API_TOKEN')

# creating gist and returning url, script, clone link
GHgist.create(name='_GISTNAME', description='_ANY_DESCRIPTION', public=1, content='_CONTENT_GOES_HERE')

# Lists all the names of authenticated user's gists
GHgist.profile().listall()

# Lists only the names of recent two gists of user '_USERNAME'
GHgist.search('_USERNAME').list(2)

# Lists all the comments on gist named '_GISTNAME' of user '_USERNAME'
GHgist.comments().listall(user='_USERNAME', name='_GISTNAME')

# ...and many more...
```


CONTENTS:

6.1 Creating a gist

Warning: user must be authenticated

Note: Input

name *Optional argument (default auto-gistID)*
description *Optional argument (default empty)*
public *Optional argument (default public)*
content *Required argument*

6.1.1 Creating a Gist with all arguments `create (params)`

Create a new Gist simply by providing the parameters as specified above.

```
# create a secret gist (public=0)
GHgist.create(name='_GISTNAME', description='_ANY_DESCRIPTION', public=0, content='_CONTENT_GOES_HERE')
```

6.1.2 Creating a Gist with *required* argument only `create (params)`

```
# create a gist with default name (gist:gistID, provided by github)
GHgist.create(content='_CONTENT_GOES_HERE')
```

Other Docs

- *Welcome to simplegist's documentation!*
- *Managing authenticated user's gists*
- *Actions on gists*
- *Search User's gists*
- *GistAPI for Comments Section*

6.2 Managing authenticated user's gists

Warning: user must be authenticated

6.2.1 Listing all the Gists `profile().listall()`

Fetch all the GistsNames.

Note: Only recent 30 gists will be shown as per the Github API v3

```
GHgist.profile().listall()
```

6.2.2 Listing the required number of Gists `profile().list(integer)`

Fetch only the limited number of Gists `list(4)`.

Note: Input

integer integer is **required** as an argument which will limit the number of Gists to be listed.

```
GHgist.profile().list(4)
```

6.2.3 Get GistName `profile().getgist(id='_GISTID')`

Fetch Gist's name by provoding it's ID i.e. GistID.

```
GHgist.profile().getgist(id='_GISTID')
```

6.2.4 Fetch Gist-Link, Clone-Link and Embed-Script-Link of your gist `profile().links(id/name)`

Note: Input

name/id - id should be correct so check response before using it further. *Required*

```
GHgist.profile('YOURUSERNAME').links(id='_GISTID')
GHgist.profile('YOURUSERNAME').links(name='_GISTNAME')
```

6.2.5 Fetching the contents of a Gist `profile().content(params)`

Fetch the contents of a Gist by name (GISTNAME) `content(name='_GISTNAME')`.

```
GHgist.profile().content(name='_GISTNAME')
```

Fetch by id (GISTID)

```
GHgist.profile().content(id='_GISTID')
```

6.2.6 Listing the starred Gists `profile().starred()`

List all your starred gists `starred()`

```
GHgist.profile().starred()
```

List only the required number of starred Gists `starred(limit=2)`.

Note:

limit *Required*

```
GHgist.profile().starred(limit=2)
```

6.2.7 Get GistName `profile().getgist(id='_GISTID')`

Fetch any of your Gist's name by provoding it's ID i.e. GISTID.

```
GHgist.profile().getgist(id='_GistID')
```

6.2.8 Editing a Gist `profile().edit(params)`

Edit a Gist by providing either GistName or GistID, and content.

Note: Input

description *Optional*

name/id *Required*

content *Required*

```
# with all the arguments
```

```
GHgist.profile().edit(description='_NEW_DESCRIPTION', name='_GISTNAME', content='_UPDATED_CONETNT_GOES_HERE')
```

```
# with required arguments
```

```
GHgist.profile().edit(id='_GISTID', content='_UPDATED_CONTENT_GOES_HERE')
```

6.2.9 Getting a GistName using GistID `profile().getMyID(params)`

Very useful in order to work hasslefree `getMyID('_YOUR_GIST_NAME')`.

```
GHgist.profile().getMyID('_YOUR_GIST_NAME')
```

6.2.10 Deleting a Gist `profile().delete(params)`

Delete a gist by providing either GistName or GistID `delete(id='_GISTID')`.

Note:

Input

name/id *Required*

```
GHgist.profile().delete(id='_GISTID')
```

Other Docs

- *Welcome to simplegist's documentation!*
- *Creating a gist*
- *Actions on gists*
- *Search User's gists*
- *GistAPI for Comments Section*

6.3 Actions on gists

Warning: user must be authenticated

6.3.1 Useful Information for below mentioned methods

Since all the below mentioned methods require GistName/GistID. GistName is provided only when calling methods for your own Gists. Whereas GistID can be provided for all.

GistID of other users' Gist can be easily extracted without opening browser. Refer to the *Search User's gists* section

Check a Gist for a star `do().checkifstar(params)`

Check any Gist for a star by providing Gistname(if that Gist belongs to you) or GistID.

Note: Input

name/id

provide **name** only if that gist belongs to you , provide **id** for checking correspondong Gist

Required

```
GHgist.do().checkifstar(id='_GISTID')
```

```
# provide your Gistname
```

```
GHgist.do().checkifstar(name='_YOUR_GISTNAME')
```

Star a Gist `do() .star (params)`

Star any Gist by providing Gistname(if that Gist belongs to you) or GistID.

Note: Input

name/id

provide **name** only if that gist belongs to you , provide **id** for starring corresponding Gist

Required

```
GHgist.do().star(id='_GISTID')
```

```
# provide your Gistname
```

```
GHgist.do().star(name='_YOUR_GISTNAME')
```

Unstar a Gist `do() .unstar (params)`

UnStar any Gist by providing Gistname(if that Gist belongs to you) or GistID.

Note: Input

name/id

provide **name** only if that gist belongs to you , provide **id** for unstarring corresponding Gist

Required

```
GHgist.do().unstar(id='_GISTID')
```

```
# provide your Gistname
```

```
GHgist.do().unstar(name='_YOUR_GISTNAME')
```

Fork a Gist `do() .fork (params)`

Fork other's Gist by providing GistID.

Note: Input

id

provide **id** for forking corresponding Gist

Required

```
GHgist.do().fork(id='_GISTID')
```

6.3.2 Other Docs

- *Welcome to simplegist's documentation!*
- *Creating a gist*
- *Managing authenticated user's gists*

- *Search User's gists*
- *GistAPI for Comments Section*

6.4 Search User's gists

6.4.1 Listing all the Gists `search('_USERNAME').listall()`

Fetch all the GistsNames of a Github User.

Note: Only recent 30 gists will be shown as per the Github API v3

```
GHgist.search('_USERNAME').listall()
```

6.4.2 Listing the required number of Gists `search('_USERNAME').list(integer)`

Fetch only the limited number of Gists.

Note: Input

integer integer is **required** as an argument which will limit the number of Gists to be listed.

```
GHgist.search('_USERNAME').list(2)
```

6.4.3 Fetching the contents of a Gist using GistName `search('_USERNAME').content(params)`

Fetch the contents of a Gist by name (GistName).

```
GHgist.search('_USERNAME').content(name='_GISTNAME')
```

6.4.4 Fetching the contents of any Gist using GistID `search("").content(id='_GISTID')`

Fetch by id (GistID)

```
GHgist.search('').content(id='_GISTID')
```

6.4.5 Fetch GistName `search("").getgist(id='_GISTID')`

Fetch Gist's name by provoding it's ID i.e. GistID.

```
GHgist.search('').getgist(id='_GISTID')
```

6.4.6 Fetch Gist-Link, Clone-Link and Embed-Script-Link of searched gist `search('_USERNAME/EMPTY').links(id/name)`

It is very very useful and solves the dual purpose. Providing the username and a Gistname of that user not only provides the above mentioned Links but also let 'one' know about the GistID of that Gist.

Moreover, this criteria can also be applied in finding 'one's' own Gist's GistID by providing Gistname.

Note: Input

name/id -

if providing GistID, Github-Username should be blank like `search('',links(id='_GISTID')` if providing GistName, Github-Username is required like `search('Github-User').links(name='THATUSERSGISTNAME')`

Required

```
GHgist.search('').links(id='_GISTID')
GHgist.search('_USERNAME').links(name='_GISTNAME')
```

Other Docs

- *Welcome to simplegist's documentation!*
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6.5 GistAPI for Comments Section

6.5.1 Listing all the comments on your Gists `comments().listall(params)`

List all the contents of comments made on a single Gist by providing the GistName/GistID and USERNAME if the gist is not yours.

Note:

Input

user - for listing out the comments on a Gist of *some* user. Optional

Fetch all the comments on a Gist `listall(name='*gistname*') listall(id='*gistid*')`.

```
# listing comments on your gist = *GISTNAME*
GHgist.comments().listall(name='GISTNAME')
```

```
# listing comments on a gist of user = *GITHUBUSERNAME*
GHgist.comments().listall(user='GITHUBUSERNAME', name='GISTNAME')
```

6.5.2 Fetch a single comment on a Gist `comments().get(params)`

Fetch any comment's contents just by providing its GistName/GistID along with the CommentID.

Note: Input

name/id - GistName/GistID *Required*

commentid - commentid of a comment *Required*

```
GHgist.comments().get(name='bootstrap-min.css', commentid='862438')
```

6.5.3 Post/Create a comment on a Gist `comments().create(params)`

Post a comment on a Gist providing GistName/GistID, BODY of Comment and USERNAME. Commenting on your own Gist doesn't require USERNAME as an argument.

Note: Input

name/id - GistName/GistID *Required*

body - contents of a comment to be posted *Required*

user - comment on a Github user's gist *Optional* if commenting on your Gist only *Required* if commenting on others Gist

```
# commenting on your own Gist with id='*GISTID*' and body='*CONTENTS_OF_COMMENT*'
GHgist.comments().create(id='5948962', body='hello')
```

```
# commenting on Github user = '*USERNAME*' with name='*GISTNAME*' with body='*CONTENTS_OF_COMMENT*'
GHgist.comments().create(user='caspyin', name='curl.md', body='very helpful')
```

6.5.4 Edit a comment on a Gist `comments().edit(params)`

Edit Body of any comment on a Gist by providing GistName/GistID, commentID, BODY to be edited and USERNAME (if the Gist is not yours).

Note:

Input

name/id - GistName/GistID *Required*

commentid - commentid of a comment *Required*

body - contents of a comment to be posted *Required*

user - comment on a Github user's gist *Optional* if commenting on your Gist only *Required* if commenting on others Gist

```
GHgist.comments().edit(name='bootstrap-min.css', commentid='862438', body='heya! world')
```


6.5.5 Delete a comment on a Gist `comments().delete(params)`

Delete any comment you have made on a Gist by providing GistName/GistID along with commentID.

Warning: user must be authenticated

Note:

Input

name/id - GistName/GistID *Required*

commentid - commentid of a comment *Required*

```
GHgist.comments().delete(name='bootstrap-min.css', commentid='862454')
```

Other Docs

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- *Search User's gists*

RELATED DOCS

- *Creating a gist*
- *Managing authenticated user's gists*
- *Actions on gists*
- *Search User's gists*
- *GistAPI for Comments Section*