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chat on gitter python 2.7 python 3.5 license GPLv3

## Twitter Bot

chat on gitter

A Python bot that automates several actions on Twitter, such as following users and favoriting tweets.

### Notice: Repository is no longer being maintained

Twitter has started cracking down heavily on users who use bots like this one to follow users or favorite tweets en masse. For that reason, I am no longer developing this code repository but will leave it up for anyone who wants to use it as a code base for future projects. Please respect the software license if you use the code from this repository.

### Disclaimer

I hold no liability for what you do with this bot or what happens to you by using this bot. Abusing this bot *can* get you banned from Twitter, so make sure to read up on proper usage of the Twitter API.

### Installation

You can install the Twitter Follow Bot using `pip`:

```
1 pip install TwitterFollowBot
```

### Dependencies

You will need to install Python's `python-twitter` library:

```
1 pip install twitter
```

Although this library should be installed along with the Twitter Follow Bot if you used `pip`.

You will also need to create an app account on <https://dev.twitter.com/apps>

1. Sign in with your Twitter account
2. Create a new app account

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3. Modify the settings for that app account to allow read & write
  4. Generate a new OAuth token with those permissions

Following these steps will create 4 tokens that you will need to place in the configuration file discussed below.

## Usage

### Configuring the bot

Before running the bot, you must first set it up so it can connect to the Twitter API. Create a config.txt file and fill in the following information:

```
1 OAUTH_TOKEN:
2 OAUTH_SECRET:
3 CONSUMER_KEY:
4 CONSUMER_SECRET:
5 TWITTER_HANDLE:
6 ALREADY_FOLLOWED_FILE:already-followed.txt
7 FOLLOWERS_FILE:followers.txt
8 FOLLOWS_FILE:following.txt
9 USERS_KEEP_FOLLOWING:
10 USERS_KEEP_UNMUTED:
11 USERS_KEEP_MUTED:
12 FOLLOW_BACKOFF_MIN_SECONDS:10
13 FOLLOW_BACKOFF_MAX_SECONDS:60
```

`OAUTH_TOKEN`, `OAUTH_SECRET`, `CONSUMER_KEY`, `CONSUMER_SECRET` are your API keys that you received from creating your app account. `TWITTER_HANDLE` is your Twitter name, case-sensitive.

You can change the `FILE` entries if you want to store that information in a specific location on your computer. By default, the files will be created in your current directory.

Add comma-separated Twitter user IDs to the `USERS_KEEP` entries to:

- `USERS_KEEP_FOLLOWING`: Keep following these users even if they don't follow you back.
- `USERS_KEEP_UNMUTED`: Keep these users unmuted (i.e., you receive a mobile notification when they tweet)
- `USERS_KEEP_MUTED`: Keep these users muted (i.e., you don't receive a mobile notification when they tweet)

For example:

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```
1 ...
2 FOLLOWS_FILE:following.txt
3 USERS_KEEP_FOLLOWING:1234,1235,1236
4 USERS_KEEP_UNMUTED:
5 ...
```

You can look up a users' Twitter ID [here](#).

### Create an instance of the bot

To create an instance of the bot:

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
```

By default, the bot will look for a configuration file called `config.txt` in your current directory.

If you want to use a different configuration file, pass the configuration file to the bot as follows:

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot("my-other-bot-config.txt")
```

Note that this allows you to run multiple instances of the bot with different configurations, for example if you run multiple Twitter accounts:

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_other_bot = TwitterBot("my-other-bot-config.txt")
```

### Syncing your Twitter following locally

Due to Twitter API rate limiting, the bot must maintain a local cache of all of your followers so it doesn't use all of your API time looking up your followers. It is highly recommended to sync the bot's local cache daily:

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.sync_follows()
```

The bot will create cache files where you specified in the configuration file.

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**DO NOT** delete the cache files (“followers.txt”, “follows.txt”, and “already-followed.txt” by default) unless you want to start the bot over with a fresh cache.

## Automating Twitter actions with the bot

This bot has several functions for programmatically interacting with Twitter:

### Automatically follow any users that tweet something with a specific phrase

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_follow("phrase")
```

You can also search based on hashtags:

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_follow("#hashtag")
```

By default, the bot looks up the 100 most recent tweets. You can change this number with the `count` parameter:

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_follow("phrase", count=1000)
```

### Automatically follow any users that have followed you

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_follow_followers()
```

### Automatically follow any users that follow a user

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_follow_followers_of_user("jack", count=1000)
```

### Automatically favorite any tweets that have a specific phrase

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_fav("phrase", count=1000)
```

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#### **Automatically retweet any tweets that have a specific phrase**

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_rt("phrase", count=1000)
```

#### **Automatically unfollow any users that have not followed you back**

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_unfollow_nonfollowers()
```

If there are certain users that you would like to not unfollow, add their user id to the `USERS_KEEP_FOLLOWING` list.

You will need to manually edit the code if you want to add special users that you will keep following even if they don't follow you back.

#### **Automatically unfollow all users**

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_unfollow_all_followers()
```

#### **Automatically mute all users that you have followed**

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_mute_following()
```

You will need to manually edit the code if you want to add special users that you will not mute.

#### **Automatically unmute everyone you have muted**

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_unmute()
```

You will need to manually edit the code if you want to add special users that will remain muted.

#### **Post a tweet on twitter**

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.send_tweet("Hello world!")
```

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### Automatically add users tweeting about something to one of your list

```
1 from TwitterFollowBot import TwitterBot
2
3 my_bot = TwitterBot()
4 my_bot.auto_add_to_list("#TwitterBot", "twitterbot-list", count=10)
```

In the example above, the bot will try to add 10 users to the twitterbot-list that are tweeting #Twitter-Bot.

Remember that the max number of users in a list is 5000.

### Have questions? Need help with the bot?

If you're having issues with or have questions about the bot, file an issue in this repository so one of the project managers can get back to you. **Please check the existing (and closed) issues to make sure your issue hasn't already been addressed.**