**Python Reply Bot**

This script replys to all tweets scraped from the search query. It's uses Twitter API v1.1.

It s fully customizable, so you can change reply text, search keywords and time delays!

You can set up all configuration if a *config* file. Here is an example of *config*. You have to change it to fit your requirements.

**Important**: for testing you have to decrease all delays for not waiting for a long.

[settings]

search\_query: #spareroom spareroom.co.uk

# Leave empty for all languages

tweet\_language:

reply\_text: You can advertise your room for free on www.roompik.com!Find flatmates more easily there than spareroom;You can find like-minded flatmates more easily there than spareroom at www.roompik.com! It s free!

min\_wait\_time = 60

max\_wait\_time = 90

search\_delay = 3600

search\_depth = 20

# blacklisted users

userBlacklist =

# Create your app on http://apps.twitter.com

[twitter]

consumer\_key: xXZEGzFfQZawybgzg4q6NpjcC

consumer\_secret: VYFX4ARPYFGAmX3oAe3PyhR0ie4vKCtilJEftKRNFeo6s1EVLQ

access\_token: 3379125514-lwMo0s7gHqwigq7oZYpHk91KCkDz5RpKOElRd3y

access\_token\_secret: AMx1IdfDF97iwxcYd2bhyhXdrwKHg1i3FY5HhRkV1uGlo

You shouldn't edit any source code. First of all, to start working with the script you should enter all credentials from your twitter app. You need:

* **consumer\_key**
* **consumer\_secret**
* **access\_token**
* **access\_token\_secret**

Unfortunately, you provided me only with Consumer Key. Therefore, you need to generate all this data. [Here is](http://iag.me/socialmedia/how-to-create-a-twitter-app-in-8-easy-steps/) detailed instruction how to do it. If you will have any problems with getting it, please feel free to inform me and i will help you with that.

**How it works**

The first time the script runs it looks for file with the history of last the tweet’s id that was replied to avoid replying to the same tweet again. This id will be a startpoint for future search requests. If such file doesn’t exist, the script will consume value of search\_depth the variable to execute search query.

*For example*, if you firts time run script with the search\_depth = 20, it means that the script will reply to last 20 tweets from search result and then stops on search\_delay seconds. After that, it will make search query again, but in this time it will search only that tweets that was published after last tweet in previous iteration. Is there are no new tweets, it will pause again on search\_delay seconds.

The search is executed using search\_query, search\_depth , tweet\_language values. Then, it s filter results by userBlacklist and delete retweet posts to not to invade other people's conversations.

Next, it scapes tweets data to the console to make you see which tweets are repling now. Also, it s uses randomly taken reply text from reply\_text to make it for reliable and avoid bannin.

All this data are saved to the log file(**twitter\_bot\_monitor.log**) and if any errors will occur, you can consider it. Here is an example of log:

2016-07-07 14:14:17,411 | bot\_monitor | INFO | Script is running! Please, wait.

2016-07-07 14:14:17,411 | bot\_monitor | WARNING | No previously replied tweets found. Making a search request go get 3 tweets!

2016-07-07 14:14:21,657 | bot\_monitor | INFO | LOADING. Proccesed 1 of the 3 tweets

2016-07-07 14:14:21,658 | bot\_monitor | INFO | REPLIED TO THE TWEET

2016-07-07 14:14:21,658 | bot\_monitor | INFO | (2016-07-07 01:57:02) nomoreMTpots: #spareroom can certainly be used to grow food. Great #entrepreneurial &amp; #selfsufficiency effort! #sidehustle https://t.co/ca9ybJSkKy 750871213719719936

2016-07-07 14:14:21,663 | bot\_monitor | INFO | Choosing time between 1 and 1 - waiting 1 seconds before action

2016-07-07 14:14:22,663 | bot\_monitor | INFO | LOADING. Proccesed 2 of the 3 tweets

2016-07-07 14:14:22,663 | bot\_monitor | INFO | REPLIED TO THE TWEET

2016-07-07 14:14:22,664 | bot\_monitor | INFO | (2016-07-07 07:38:57) CaitlinEHam: #spareroom #flat #islington #london https://t.co/0KUivZPm00 750957261590241280

2016-07-07 14:14:22,664 | bot\_monitor | INFO | Choosing time between 1 and 1 - waiting 1 seconds before action

2016-07-07 14:14:23,664 | bot\_monitor | INFO | LOADING. Proccesed 3 of the 3 tweets

2016-07-07 14:14:23,664 | bot\_monitor | INFO | REPLIED TO THE TWEET

2016-07-07 14:14:23,665 | bot\_monitor | INFO | (2016-07-07 10:55:18) 4rentuk: £350pcm, Edgbaston (B17): "Homely Share Near The QE Hospital": Beautiful four bed share in Harborne. The loca... https://t.co/33LudAdwFg 751006673032978432

2016-07-07 14:14:23,667 | bot\_monitor | INFO | Choosing time between 1 and 1 - waiting 1 seconds before action

2016-07-07 14:14:27,677 | bot\_monitor | INFO | Finished. 3 Tweets retweeted, 0 errors occured.

2016-07-07 14:14:27,677 | bot\_monitor | INFO | Script stops for 1 hour

2016-07-07 14:14:29,678 | bot\_monitor | INFO | Script is running! Please, wait.

2016-07-07 14:14:29,678 | bot\_monitor | INFO | Loaded savepoint from reply history. Starting search from tweet id 751010337659482113

In additional, the scripts logs all replied tweet's id to file to not reply it again in the future.

And after each iteration, it s writes values of last replied id to the file and uses this data in the next search query.

**How to start in on Windows**

1. [Download](https://drive.google.com/folderview?id=0BwZBbPQYfWipTnloNl9mZHZaYWc&usp=sharing) script data and extract to any folder.
2. Install Python 2.7 and pip.
3. Install all dependencies by doing next: pip install -r /YOUR/TO/requirements.txt
4. Run the script python Reply\_Bot.py

If you face any problems installing it, please inform me.

Alex from Ukraine