

MyGiFBot

Initial phase

Had Fun with many basic and intermediate twitter bots.

Examples:

1. Created a simple tweeting bot, added new things for my bot to tweet and changed sleeping time of bots.
2. Made my bot to tweet mentioned lines from a corpus.
3. Made the bot to extract values from JSON and tweet them.
4. Made the bot to respond to user by tweeting a random line from file.
5. Made the bot to randomly select sentences and tweet them.

What to tweet?

Research

Research

Research

Research

Horse_ebooks, Larynx bot, DeepDrumpf.....

The idea of /giphy in slackbots.

What to tweet continued.....

Tweet gif - Interesting stuff.

Research

Wow..

Found giphy API.

Thankyou GIPHY.

Plan

Tweet links of GIFs.

Tweet GIFs directly using search endpoint.

- No user participation.

- Limited to one topic.

Tweet GIFs directly using random search endpoint.

- Scope wide.

- Still no user participation.

Plan Continued...

Tweet Gifs using user input.

User participation.

Random gifs.

Track user using hashtag.

Requirements Phase

Twitter account

Authentication keys

Giphy API

Tweepy to connect with Twitter API.

Tweepy.StreamListener to extract user input.

JSON library for parsing.

Implementation phase

PYTHON CODE

Testing Phase

Interesting points:

TweepError:

File is too big, must be less than 3072kb.

Tweepy API restricts the size limit.

Compression.

```
gifbot.py  credentials.py  gifbot.py
6
7     def on_status(self, status):
8         print('Tweet text: ' + status.text)
9         search_text_components = str(status.text).strip().split(" ")
10        search_text = '+'.join(search_text_components[1:])
11        print 'search text components:'.search_text_components.search_text

Python ~/Documents/CC/Bot/bot-tutorial-master
TweepError: Traceback (most recent call last)
/Users/divyasingh/Documents/CC/Bot/bot-tutorial-master/gifbot.py in <module>()
    32     api = tweepy.API(auth)
    33     stream = tweepy.Stream(auth, MyStreamListener())
--> 34     stream.filter(track = ['#gifbot'])
    35
    36     print "All done!"

/Users/divyasingh/Library/Enthought/Canopy 64bit/User/lib/python2.7/site-packages/tweepy/streaming.pyc in filter(self, follow, track, async, locations,
stall_warnings, languages, encoding, filter_level)
    443         self.session.params = {'delimited': 'length'}
    444         self.host = 'stream.twitter.com'
--> 445         self._start(async)
    446
    447         def sitestream(self, follow, stall_warnings=False,

/Users/divyasingh/Library/Enthought/Canopy 64bit/User/lib/python2.7/site-packages/tweepy/streaming.pyc in _start(self, async)
    359         self._thread.start()
    360         else:
--> 361         self._run()
    362
    363         def on_closed(self, resp):

/Users/divyasingh/Library/Enthought/Canopy 64bit/User/lib/python2.7/site-packages/tweepy/streaming.pyc in _run(self)
    292         # call a handler first so that the exception can be logged.
    293         self.listener.on_exception(exception)
--> 294         raise exception
    295
    296         def _data(self, data):

TweepError: File is too big, must be less than 3072kb.

In [15]:
```

420 Error code - Most irritating

```
--
21     def on_error(self, status_code):
22         print('Got an error with status code: ' + str(status_code))
23         return True
24
25     def on_timeout(self):
26         print('Timeout...')
27         return True
28
29 if __name__ == '__main__':
30     auth = tweepy.OAuthHandler(CONSUMER_KEY, CONSUMER_SECRET)
31     auth.set_access_token(ACCESS_TOKEN, ACCESS_SECRET)
32     api = tweepy.API(auth)
```

Python

~/Documents/CC/B

```
296     def _data(self, data):
```

TweepError: File is too big, must be less than 3072kb.

In [19]: %run "/Users/divyasingh/Documents/CC/Bot/bot-tutorial-master/gifbot.py"

Got an error with status code: 420

Got an error with status code: 420

420 Error code

420

It depicts the limited rates.

Possible reasons are:

- Too many login attempts in a short period of time.

- Running too many copies of the same application authenticating with the same account .

420 Error code

Rate limits are divided into 15 minute intervals. Additionally, all endpoints require authentication, so there is no concept of unauthenticated calls and rate limits.

There are two initial buckets available for GET requests: 15 calls every 15 minutes, and 180 calls every 15 minutes.

Search

Search is rate limited at 180 queries per 15 minute window.

Interesting results:

#gifbot india vs pakistan cricket




#gifbot fly

[Tweets](#) [Tweets & replies](#) [Media](#)



MyGiFBot @diva_330 · 2m





MyGiFBot @diva_330 · 3m

[#gifbot](#) fly

#gifbot colors



MyGiFBot @diva_330 · 15h



#giphy kill



MyGiFBot @diva_330 · 11m



MyGiFBot @diva_330 · 11m

#gifbot kill

Maintenance phase:

Run bot on global server.

Heroku