

Project for Python Engineer at AnyMind Group

Notes:

- Deadline is within 5 days from today
- Push your code to your public repository on GitHub
- This is a simple project. We'll not look into whether you can do it or not, but the details.
- You can choose any tool you like for this project but programming language should be Python 3.6 or 3.7
- Make sure you have it tested
- We'll review your documentation as well

Tips:

- The repository should have a readme file with clear instructions of how to deploy/install locally
- DON't use public available Twitter SDK instead please implement your own
- Include unit tests

Project description:

The main job will be to develop two RESTful API endpoint to provide data from Twitter. You can get data from Twitter **by Twitter API or scraping in real-time.**

1. Get tweets by a hashtag. Get the list of tweets with the given hashtag.

Optional parameters:

- limit: integer, specifies the number of tweets to retrieve, the default should be 30

Example request:

```
curl -H "Accept: application/json" -X GET http://localhost:xxxx/hashtags/Python?limit=40
```

Example response:

```
[{"account": {"fullname": "Raymond Hettinger",  
             "href": "/raymondh",  
             "id": 14159138},  
 "date": "12:57 PM - 7 Mar 2018",  
 "hashtags": ["#python"]}]
```

```
"likes": 169,  
"replies": 13,  
"retweets": 27,  
"text": "Historically, bash filename pattern matching was known  
as \"globbing\". Hence, the #python module  
called \"glob\".\n\n>>> print(glob.glob('*.*py'))\n\nIf the function were being added today, it would probably  
be called os.path.expand_wildcards('*.*py') which would be  
less arcane."},  
...  
]
```

2. Get user tweets. Get the list of tweets that the user has on his feed in JSON format.
Optional parameters:

- limit: integer, specifies the number of tweets to retrieve, the default should be 30

Example request:

```
curl -H "Accept: application/json" -X GET http://localhost:xxxx/users/twitter?limit=20
```

Example response:

```
[{"account": {"fullname": "Twitter",  
             "href": "/Twitter",  
             "id": 783214},  
 "date": "2:54 PM - 8 Mar 2018",  
 "hashtags": ["#InternationalWomensDay"],  
 "likes": 287,  
 "replies": 17,  
 "retweets": 70,  
 "text": "Powerful voices. Inspiring women.\n\n#InternationalWomensDay  
https://twitter.com/i/moments/971870564246634496"},  
...  
]
```