

API Document

Version 1.0

Laravel version: 5.8
PHP Version: >= 7.1.3

Created by: Tim Salvador

Functionality Description:

Develop an API endpoint that returns data used to graph the number of tweets per hour for a given user over a 48 hour period.

API Endpoint

GET `api/tweets/{screen_name}`

Returns hourly tweets count for the tweets posted by the user indicated by the **screen_name** for past 48 hours from now.

Path Parameters

screen_name: required

Resource URL (Test Server)

http://twitterapp.tp-team.com/api/tweets/{screen_name}

Example

Using **svhsydney** as a screen_name to test the API

<http://twitterapp.tp-team.com/api/tweets/svhsydney>

Response

Correct screen_name

Status: 200 OK

```
{
  "from": "Mon, 10 Jun 2019 09:00:00 +0000",
  "to": "Wed, 12 Jun 2019 09:59:59 +0000",
  "by_hour": [
```

Laravel Twitter API Documentation

```
{
  "time":"12V06V2019 09:00 AM - 12V06V2019 10:00 AM",
  "count":0
},

{
  "time":"12V06V2019 08:00 AM - 12V06V2019 09:00 AM",
  "count":0
},

{
  "time":"12V06V2019 07:00 AM - 12V06V2019 08:00 AM",
  "count":0
},

{
  "time":"12V06V2019 06:00 AM - 12V06V2019 07:00 AM",
  "count":0
},

{
  "time":"12V06V2019 05:00 AM - 12V06V2019 06:00 AM",
  "count":0
},

{
  "time":"12V06V2019 04:00 AM - 12V06V2019 05:00 AM",
  "count":0
},

{
  "time":"12V06V2019 03:00 AM - 12V06V2019 04:00 AM",
  "count":0
},

{
  "time":"12V06V2019 02:00 AM - 12V06V2019 03:00 AM",
  "count":0
},

{
  "time":"12V06V2019 01:00 AM - 12V06V2019 02:00 AM",
  "count":0
}
```

Laravel Twitter API Documentation

```
},

{
  "time":"12V06V2019 12:00 AM - 12V06V2019 01:00 AM",
  "count":0
},

{
  "time":"11V06V2019 11:00 PM - 12V06V2019 12:00 AM",
  "count":0
},

{
  "time":"11V06V2019 10:00 PM - 11V06V2019 11:00 PM",
  "count":0
},

{
  "time":"11V06V2019 09:00 PM - 11V06V2019 10:00 PM",
  "count":0
},

{
  "time":"11V06V2019 08:00 PM - 11V06V2019 09:00 PM",
  "count":0
},

{
  "time":"11V06V2019 07:00 PM - 11V06V2019 08:00 PM",
  "count":0
},

{
  "time":"11V06V2019 06:00 PM - 11V06V2019 07:00 PM",
  "count":0
},

{
  "time":"11V06V2019 05:00 PM - 11V06V2019 06:00 PM",
  "count":0
},

{
```

Laravel Twitter API Documentation

```
"time":"11V06V2019 04:00 PM - 11V06V2019 05:00 PM",
"count":0
},

{
  "time":"11V06V2019 03:00 PM - 11V06V2019 04:00 PM",
  "count":0
},

{
  "time":"11V06V2019 02:00 PM - 11V06V2019 03:00 PM",
  "count":0
},

{
  "time":"11V06V2019 01:00 PM - 11V06V2019 02:00 PM",
  "count":0
},

{
  "time":"11V06V2019 12:00 PM - 11V06V2019 01:00 PM",
  "count":0
},

{
  "time":"11V06V2019 11:00 AM - 11V06V2019 12:00 PM",
  "count":0
},

{
  "time":"11V06V2019 10:00 AM - 11V06V2019 11:00 AM",
  "count":0
},

{
  "time":"11V06V2019 09:00 AM - 11V06V2019 10:00 AM",
  "count":1
},

{
  "time":"11V06V2019 08:00 AM - 11V06V2019 09:00 AM",
  "count":0
},
```

Laravel Twitter API Documentation

```
{
  "time": "11V06V2019 07:00 AM - 11V06V2019 08:00 AM",
  "count": 0
},

{
  "time": "11V06V2019 06:00 AM - 11V06V2019 07:00 AM",
  "count": 0
},

{
  "time": "11V06V2019 05:00 AM - 11V06V2019 06:00 AM",
  "count": 1
},

{
  "time": "11V06V2019 04:00 AM - 11V06V2019 05:00 AM",
  "count": 0
},

{
  "time": "11V06V2019 03:00 AM - 11V06V2019 04:00 AM",
  "count": 0
},

{
  "time": "11V06V2019 02:00 AM - 11V06V2019 03:00 AM",
  "count": 0
},

{
  "time": "11V06V2019 01:00 AM - 11V06V2019 02:00 AM",
  "count": 0
},

{
  "time": "11V06V2019 12:00 AM - 11V06V2019 01:00 AM",
  "count": 0
},

{
  "time": "10V06V2019 11:00 PM - 11V06V2019 12:00 AM",
```

Laravel Twitter API Documentation

```
"count":0
},

{
  "time":"10V06V2019 10:00 PM - 10V06V2019 11:00 PM",
  "count":0
},

{
  "time":"10V06V2019 09:00 PM - 10V06V2019 10:00 PM",
  "count":0
},

{
  "time":"10V06V2019 08:00 PM - 10V06V2019 09:00 PM",
  "count":0
},

{
  "time":"10V06V2019 07:00 PM - 10V06V2019 08:00 PM",
  "count":0
},

{
  "time":"10V06V2019 06:00 PM - 10V06V2019 07:00 PM",
  "count":0
},

{
  "time":"10V06V2019 05:00 PM - 10V06V2019 06:00 PM",
  "count":0
},

{
  "time":"10V06V2019 04:00 PM - 10V06V2019 05:00 PM",
  "count":0
},

{
  "time":"10V06V2019 03:00 PM - 10V06V2019 04:00 PM",
  "count":0
},
```

Laravel Twitter API Documentation

```
{
  "time":"10V06V2019 02:00 PM - 10V06V2019 03:00 PM",
  "count":0
},

{
  "time":"10V06V2019 01:00 PM - 10V06V2019 02:00 PM",
  "count":0
},

{
  "time":"10V06V2019 12:00 PM - 10V06V2019 01:00 PM",
  "count":0
},

{
  "time":"10V06V2019 11:00 AM - 10V06V2019 12:00 PM",
  "count":0
},

{
  "time":"10V06V2019 10:00 AM - 10V06V2019 11:00 AM",
  "count":0
},

{
  "time":"10V06V2019 09:00 AM - 10V06V2019 10:00 AM",
  "count":0
}
]
```

Where,

from = time prior to 48 hours from now (starting of tweets count)

to = current time (ending of tweets count)

by_hour = list of time and count from now to the past 48 hours (hourly)

time = the time range that the tweet count(s) happened (during a 1-hour time span)

count = total count of tweets during that hour specified in time

Incorrect screen_name

Status: 500 Internal Server Error

RuntimeException (404) [50] User
not found.

Install on Server

Follow these steps to install this Laravel application on the server.

Step 1: Grab a copy of files to be uploaded on the server (.zip or .tgz or .tar)

Step 2: Upload and extract the files under the root directory of the hosting environment

Step 3: Get the Twitter APP from here: <https://developer.twitter.com/en/apps>

Step 4: Update below parameters according to the new Twitter APP in .env file of Laravel

```
TWITTER_CONSUMER_KEY=
```

```
TWITTER_CONSUMER_SECRET=
```

```
TWITTER_ACCESS_TOKEN=
```

```
TWITTER_ACCESS_TOKEN_SECRET=
```