

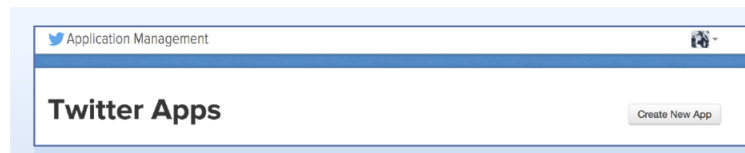
## Getting real time data using twitter API

To start with, you will need to have a Twitter account and obtain credentials (i.e. API key, API secret, Access token and Access token secret) on the Twitter developer site to access the Twitter API, following these steps:

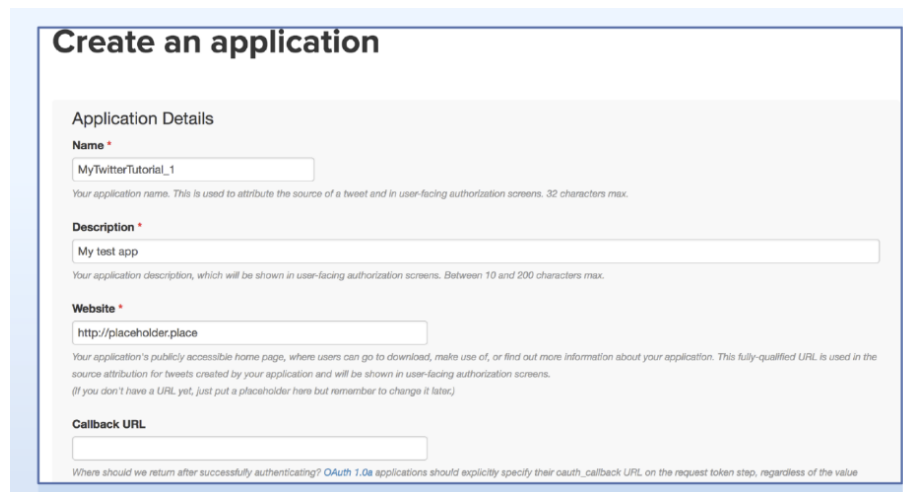
### Twitter Developer Account

In order to use Twitter's API, we have to create a developer account on the <https://apps.twitter.com/> Twitter apps site.

- Log in or make a Twitter account at <https://apps.twitter.com/>
- Create a new app (button on the top right)



- Fill in the app creation page with a unique name, a website name (use a placeholder website if you don't have one (<http://placeholder.place>)), and a project description. Accept the terms and conditions and proceed to the next page.



**Create an application**

**Application Details**

**Name \***  
  
Your application name. This is used to attribute the source of a tweet and in user-facing authorization screens. 32 characters max.

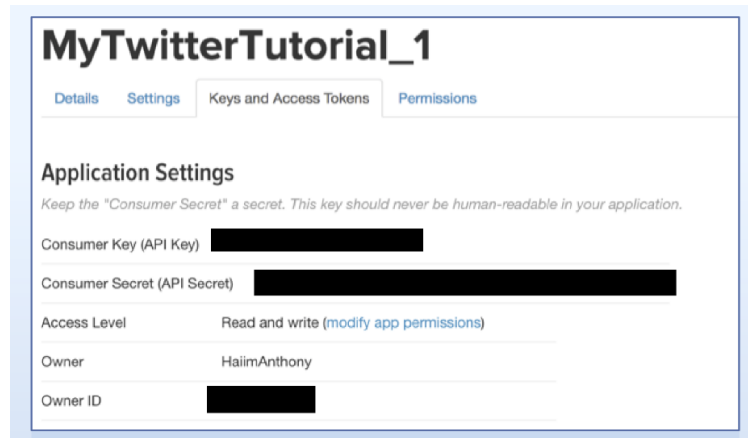
**Description \***  
  
Your application description, which will be shown in user-facing authorization screens. Between 10 and 200 characters max.

**Website \***  
  
Your application's publicly accessible home page, where users can go to download, make use of, or find out more information about your application. This fully-qualified URL is used in the source attribution for tweets created by your application and will be shown in user-facing authorization screens. (If you don't have a URL yet, just put a placeholder here but remember to change it later.)

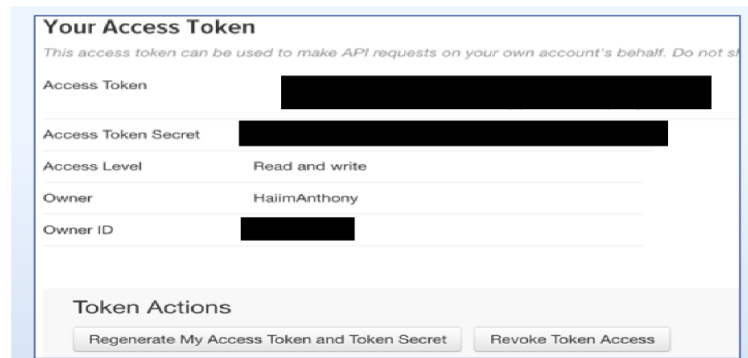
**Callback URL**  
  
Where should we return after successfully authenticating? OAuth 1.0a applications should explicitly specify their oauth\_callback URL on the request token step, regardless of the value

[Create New App](#)

- Once your project has been created, click on the “Keys and Access Tokens” tab. You should now be able to see your consumer secret and consumer key.



- You'll also need a pair of access tokens. Scroll down and request those tokens. The page should refresh, and you should now have an access token and access token secret.



We'll need all of these later, so make sure you keep this tab open.

## Tweepy:

Tweepy is an excellently supported tool for accessing the Twitter API. It supports Python 2.6, 2.7, 3.3, 3.4, 3.5, and 3.6. There are a couple of different ways to install Tweepy. The easiest way is using pip

## Using Pip:

```
pip install tweepy
```

## Authenticating

Now that we have the necessary tools ready, we can start coding! The baseline of each application we'll build today requires using Tweepy to create an API object which we can call functions with. In order create the API object, however, we must first authenticate ourselves with our developer information.

First, let's import Tweepy and add our own authentication information.

```
import tweepy

consumer_key = "Replace with you Key"

consumer_secret = "Replace with you Key"

access_token = "Replace with you Key"

access_token_secret = "Replace with you Key"
```