# How to Register for a Developer Account
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Before you can scrape Twitter, you need a Consumer Key and Consumer Secret (codes). But before you can get these codes, you need a developer account. The tutorial is written in Action-Reaction format, where the text describes the action(s) you need to perform, and the image following the text shows the results of your action(s).

1. **Register** for a Twitter Account (not shown) and **Login** to your account. REACTION:
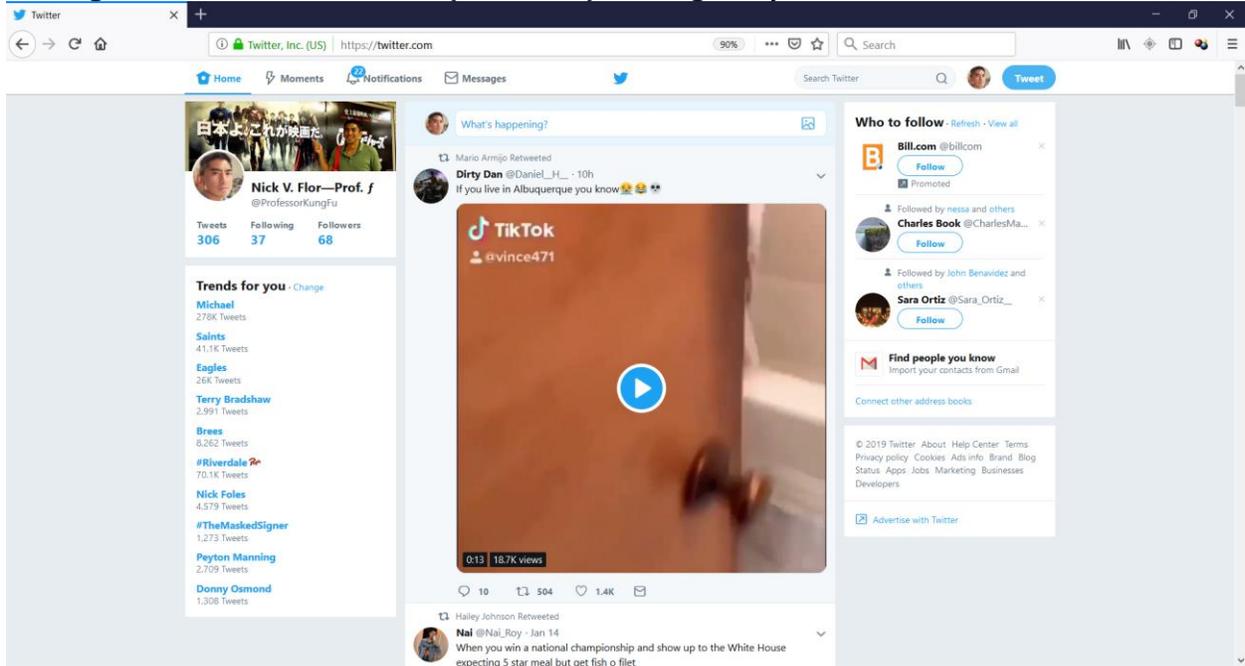
2. **Goto** apps.twitter.com (twitter will redirect to https://developer.twitter.com/en/apps):
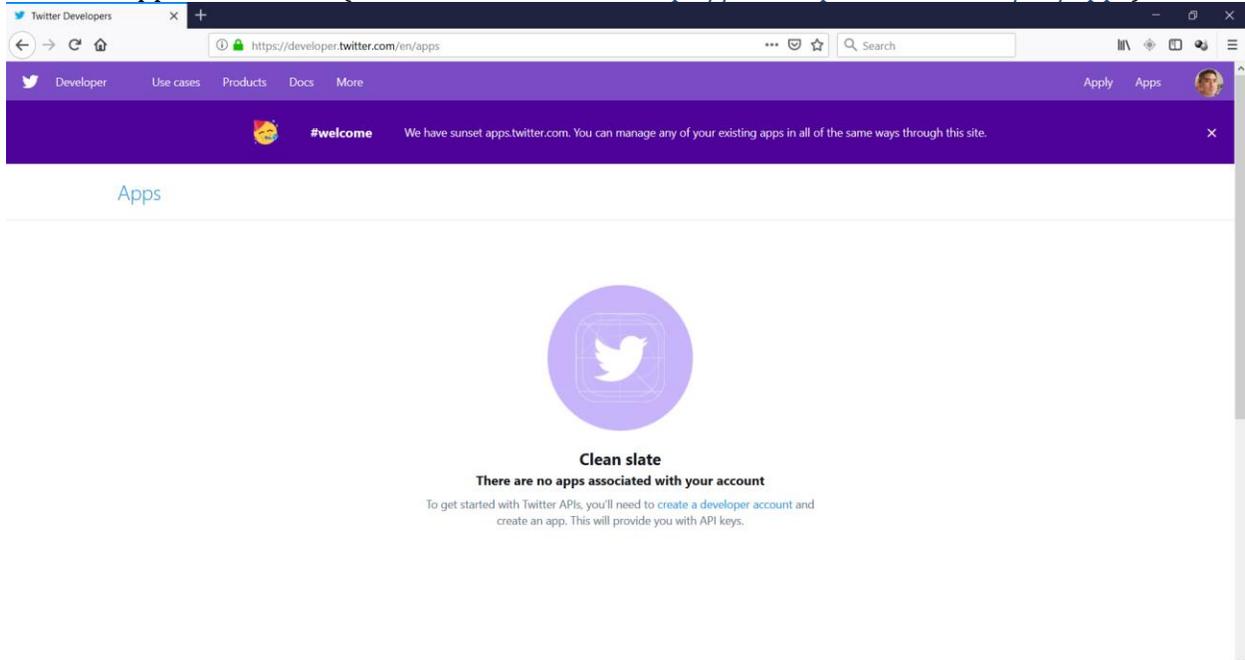
3. **Click** on the link *create a developer account* (see the image above):
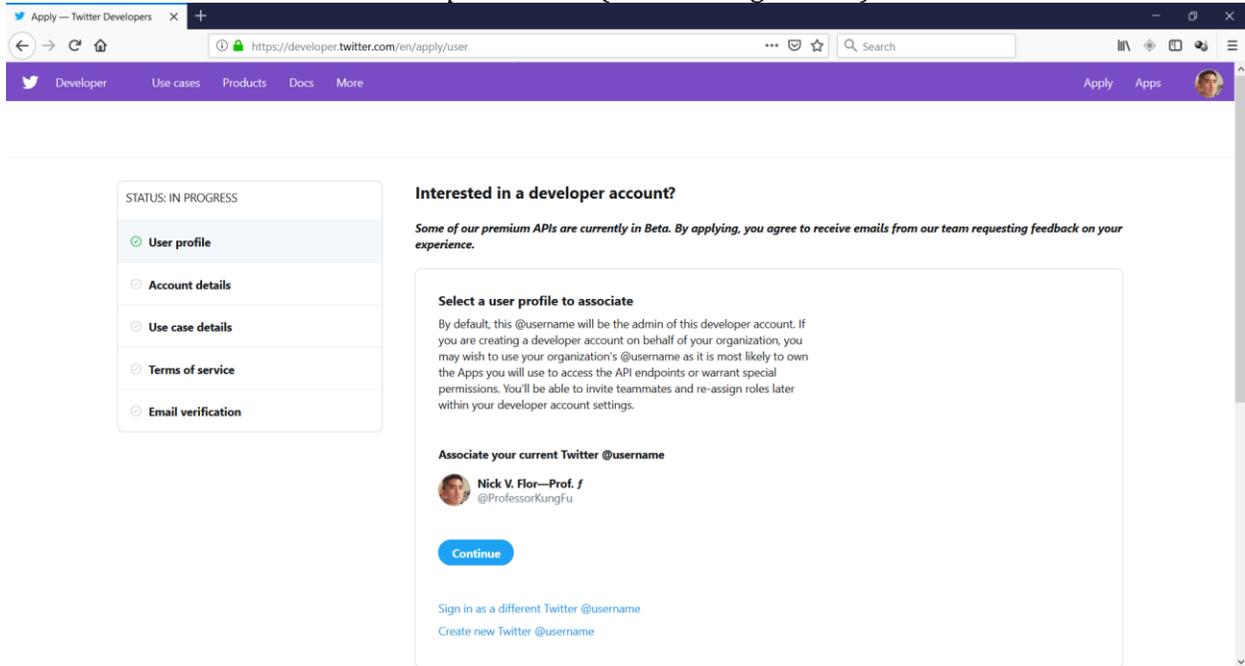
4. **Click** the *Continue* button (see image above):
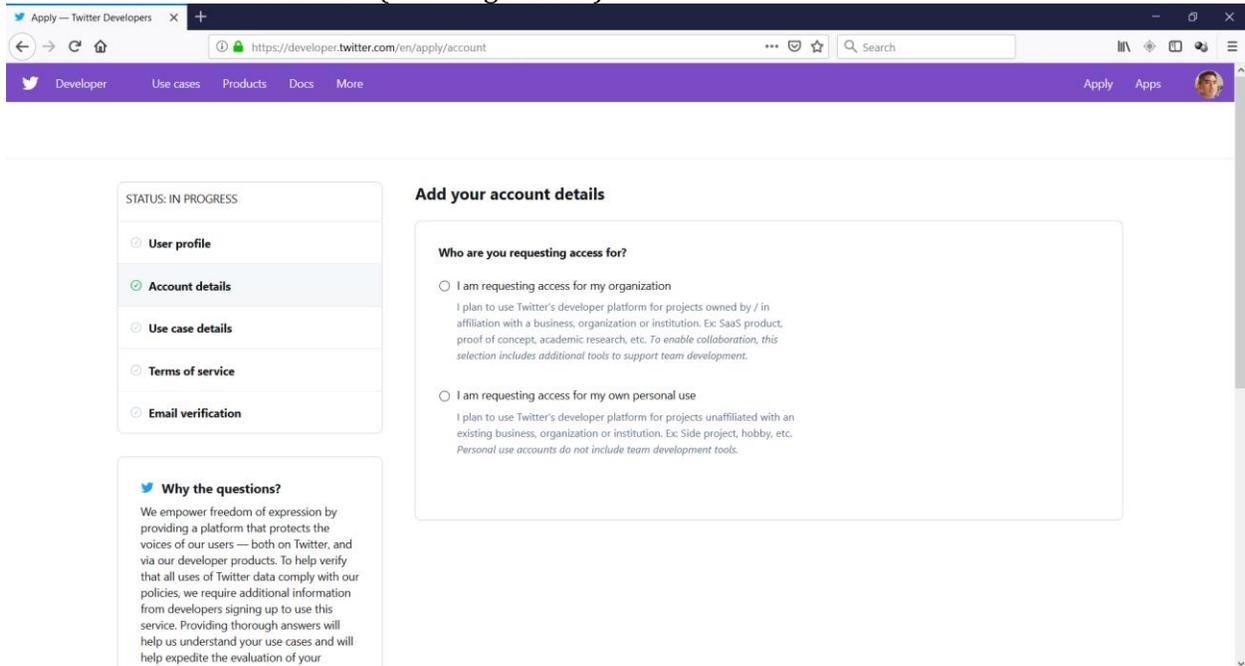
5. **Click** the radio button *I am requesting access for my own personal use* (see image above):

6. **Enter** an Account name (you can use your twitter user name, that's what I did, but please do not use ProfessorKungFu, that's me!) in the textbox, and **Select** *United States* in the drop down box:

7. **Click** the *Continue* button (see image above):

8. **Check** (at minimum) the box *Student project / Learning to code*. I'm not sure if they give your application extra scrutiny if you check the other boxes, but I checked *Academic research*, *Advertising*, *Audience Analysis, Consumer / end-user experience*, *Topic Analysis*, and *Trend & event detection*.

9. **Scroll down** to see the rest of the section *Describe in your own words what you are building*:

10. **Enter** text for the four questions, similar to the following:
    1. *I'm using Twitter APIs to download TV show tweets based on hashtags. For example, I will download tweets that have the hashtag #TheWalkingDead.*
    2. *I plan to analyze tweets to understand the topics that TV show fans are discussing on Twitter and to understand who the key influencers are.*
    3. *No, my use case does not involve tweeting, retweeting, liking, or responding. I will only be reading tweets.*
    4. *Tweets will be displayed to users in Microsoft Excel. Each row will correspond to a tweet. And the columns will be the same information you see in a Twitter app Tweet.*

11. **Check** the *No* radio button (see the image above):

12. **Click** the *Continue* button (see the image above):

13. **Scroll** to the end of the legalese:
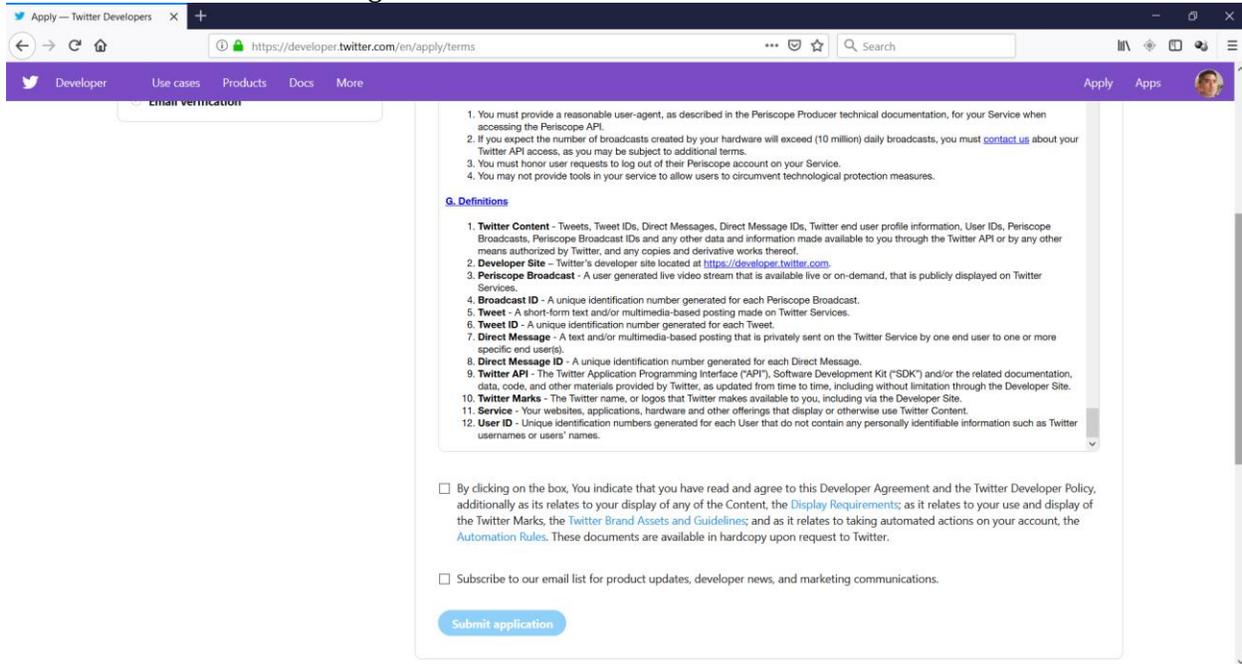
14. **Click** both check boxes (well at least click the first box, see the image above):
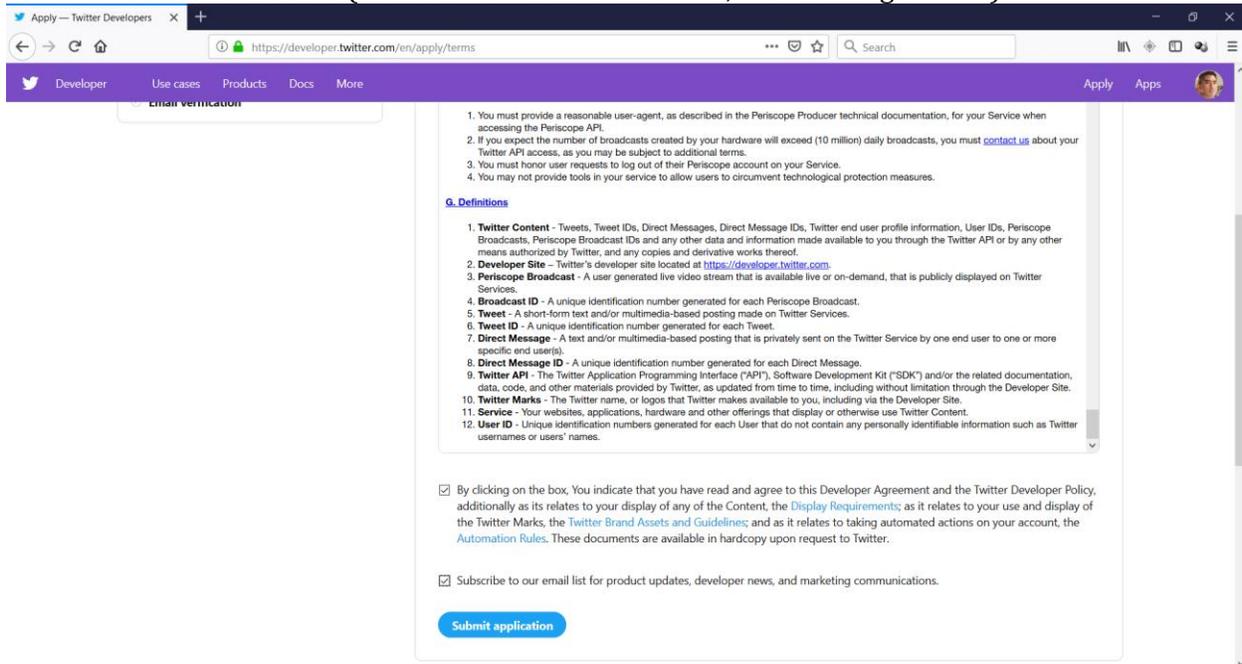
15. **Click** the *Submit application* button (see image above):
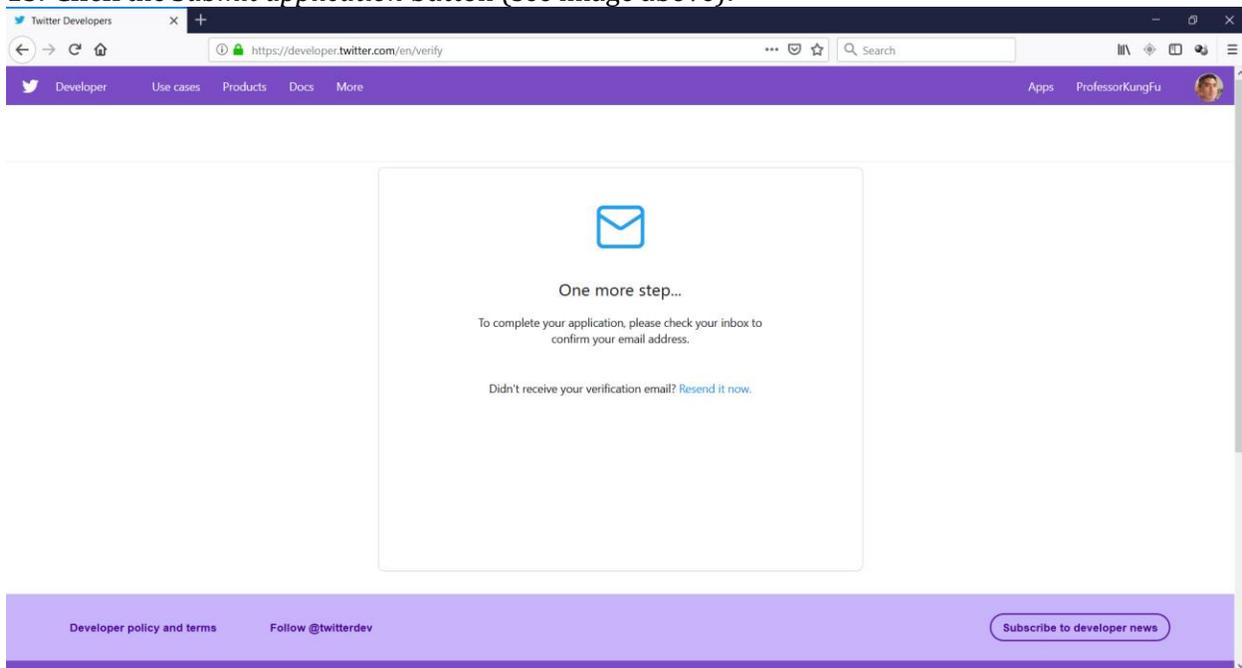
16. **Goto** your e-mail and you will see a mail similar to the following:
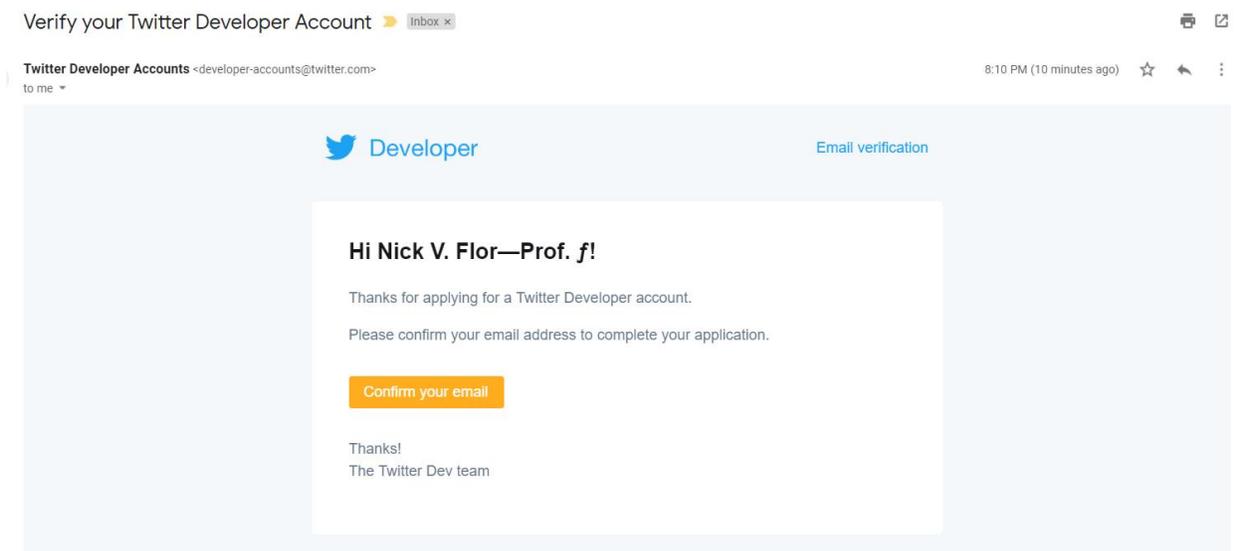
17. **Click** on the *Confirm your email* button (see image above):

18. **Click** on the link *Create an app:*

19. **Click** the button *Create an app:*
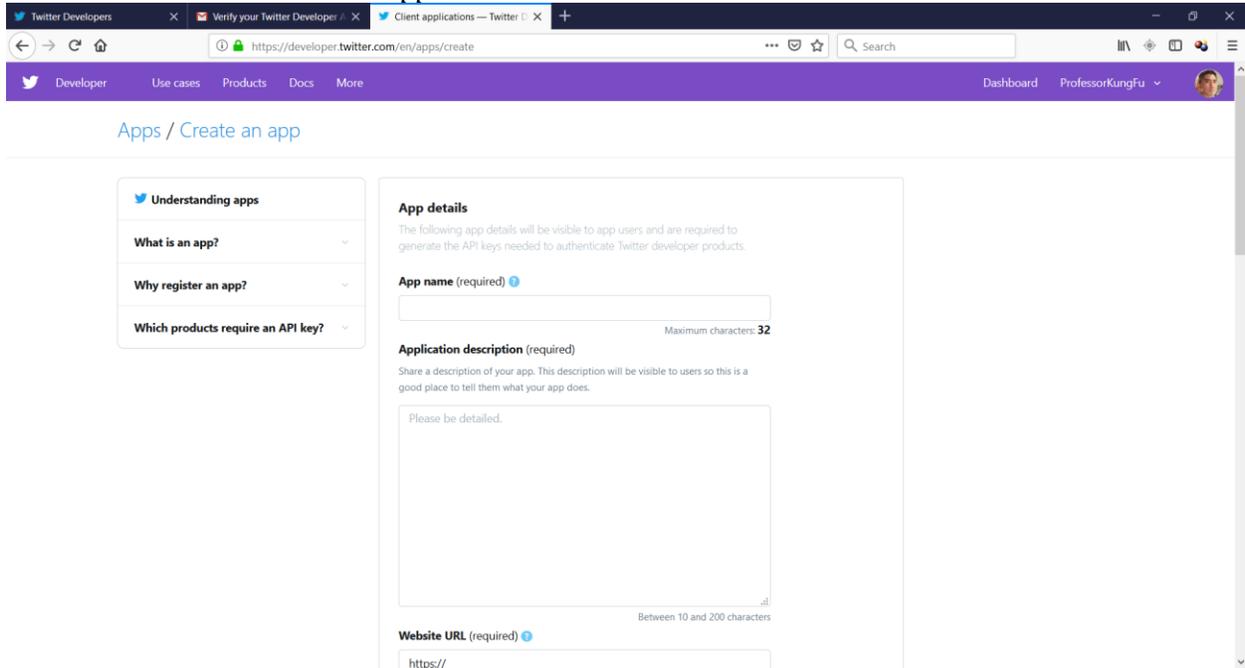
20. **Enter** an *App name* and an *Application Description* and a *Website URL* in the text boxes (you can use what I enter below if you'd like. If you have your own website URL, enter it instead):

21. **Scroll down**, leaving all non-required fields blank (unless you know what you are doing! For example to make a customer bot, you will have to fill out some of these fields—another class):
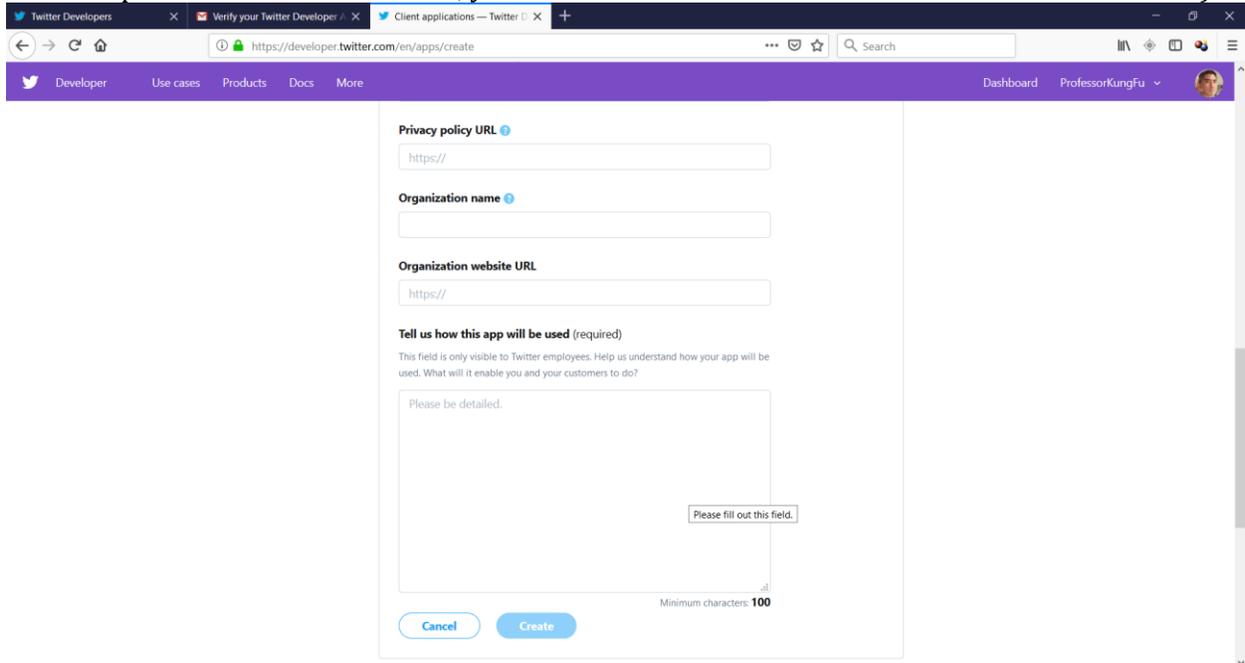
22. **Fill out** the *Tell us how this app will be used (required)* text box, as follows:

23. **Click** the *Create* button:
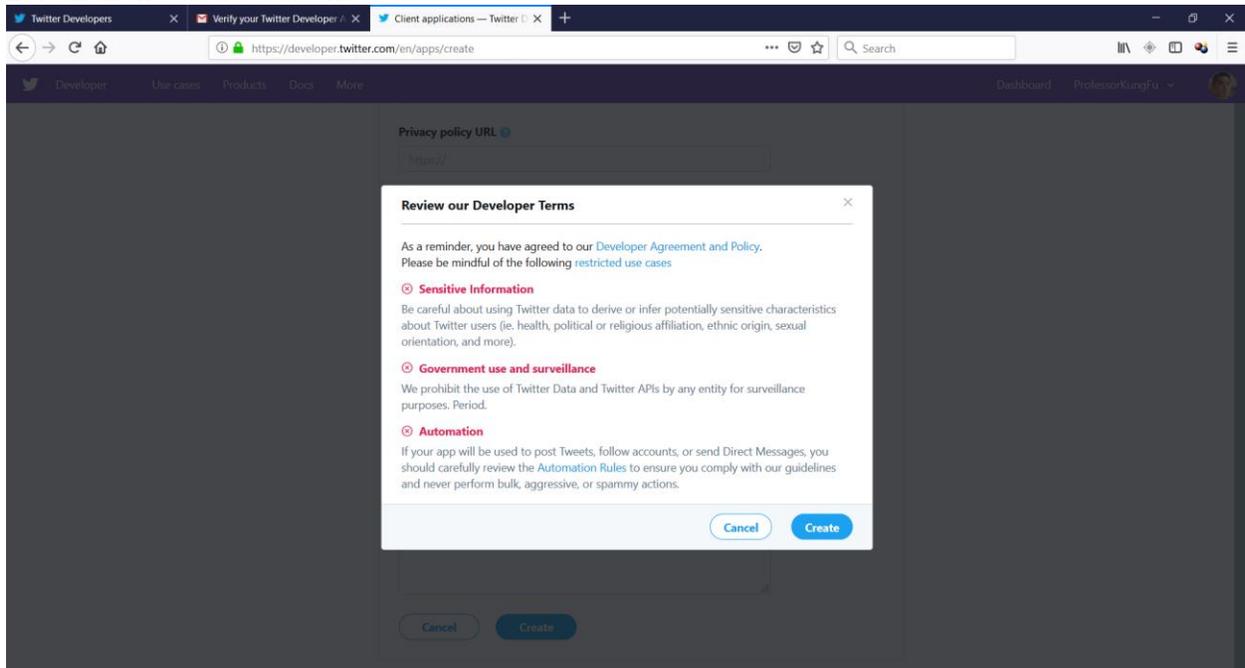
24. **Click** the *Create* button again:
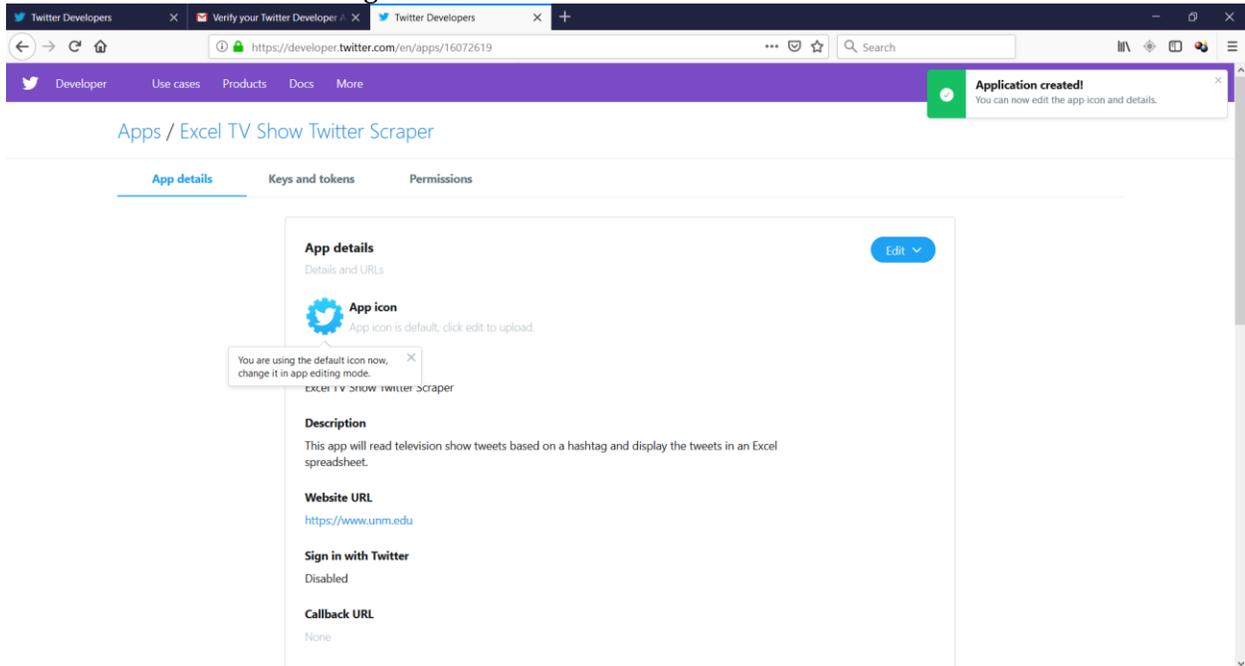
25. **Click** the *Keys and tokens* tab (look near top of image above):
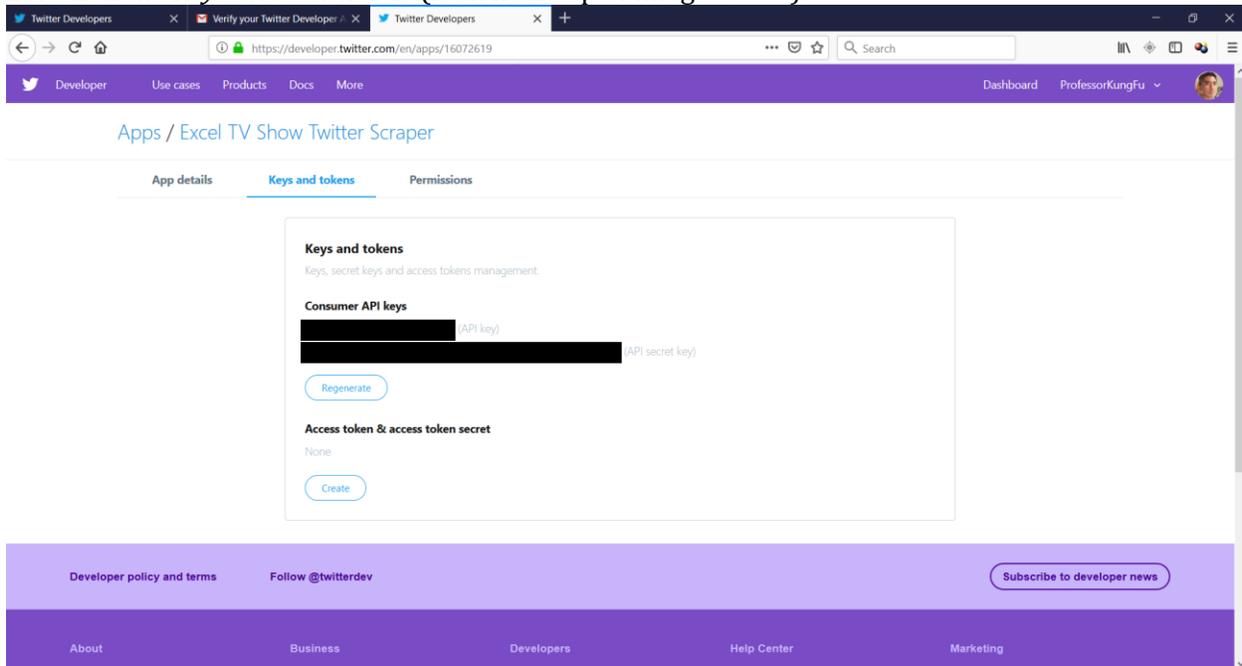
26. **Enter** the *API key* & *API Secret Key* (redacted above) into the consumer_key and consumer_secret variables into SMEDA. This is covered in the tutorial named "Setup—Get Consumer Key & Consumer Secret" on http://professorf.com/cognitive-analytics/smeda-tutorial/