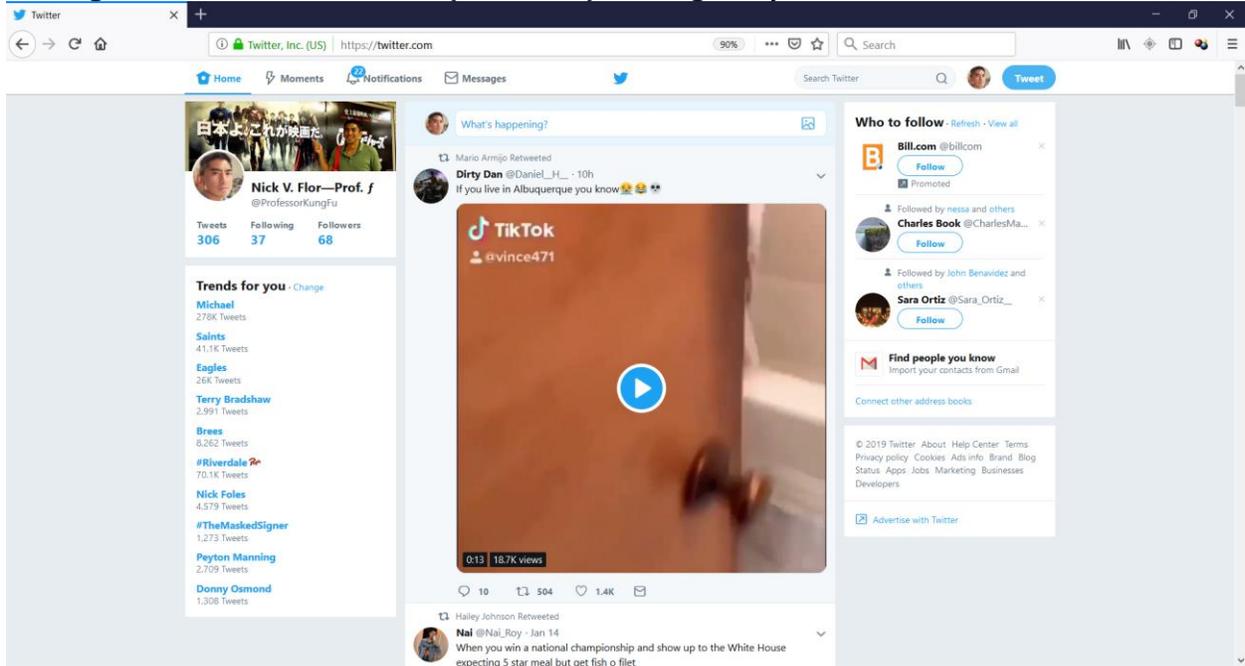


# How to Register for a Developer Account

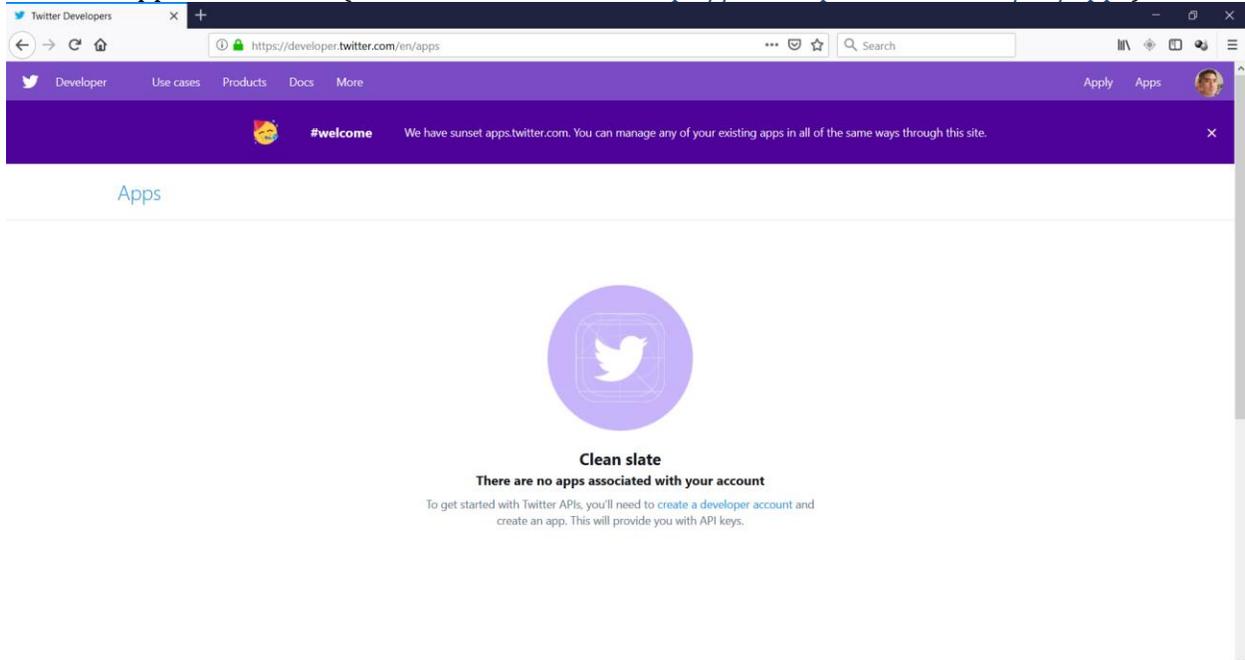
Nick V. Flor (professorf@gmail.com)

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).

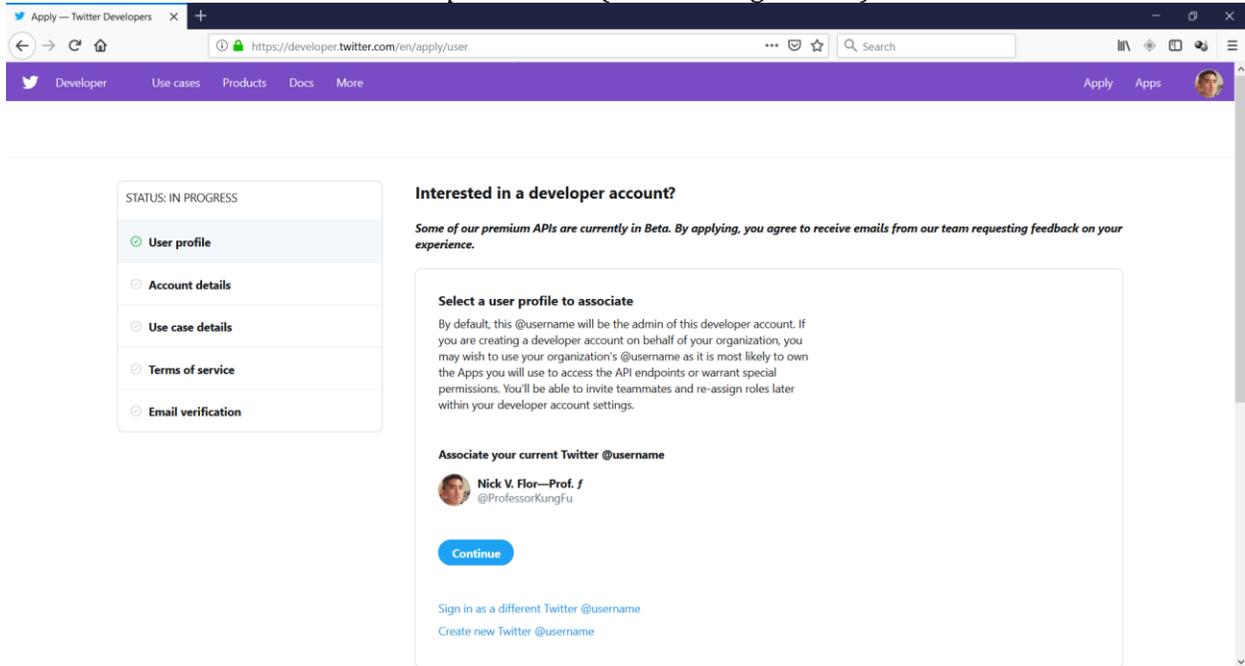
## 1. Register for a Twitter Account (not shown) and Login to your account. REACTION:



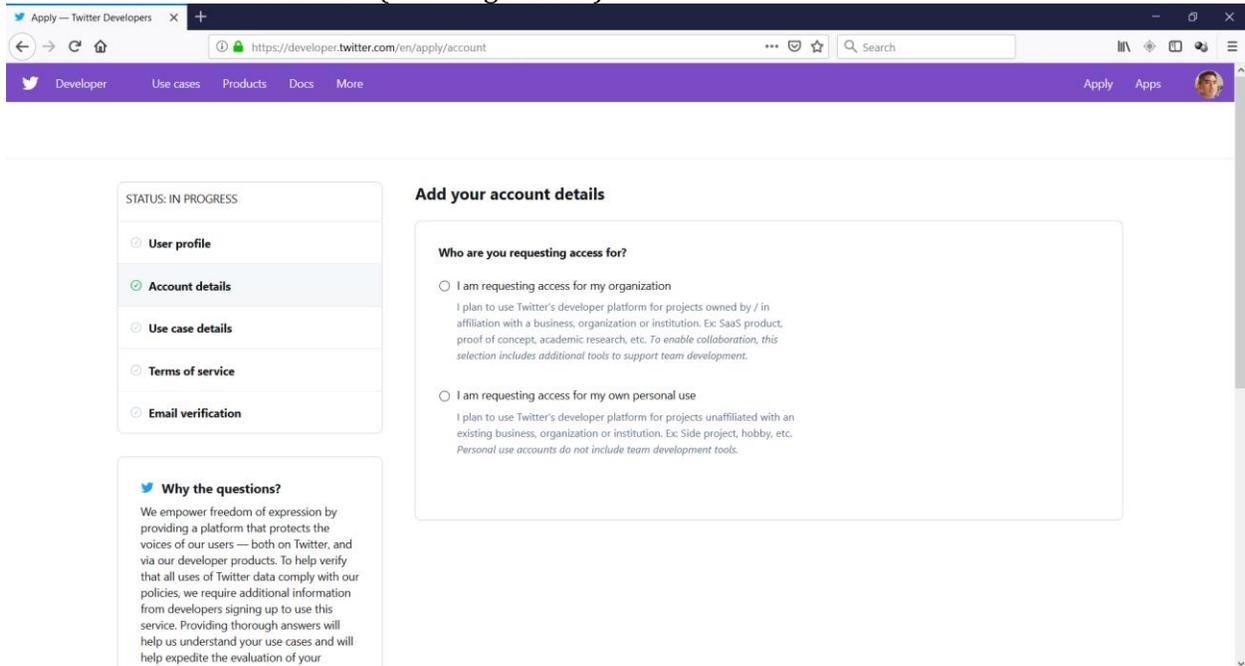
## 2. Goto apps.twitter.com (twitter will redirect to <https://developer.twitter.com/en/apps>):



### 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):

Apply — Twitter Developers x +  
https://developer.twitter.com/en/apply/account

Developer Use cases Products Docs More Apply Apps

STATUS: IN PROGRESS

- User profile
- Account details**
- Use case details
- Terms of service
- Email verification

**Why the questions?**  
We empower freedom of expression by providing a platform that protects the voices of our users — both on Twitter, and via our developer products. To help verify that all uses of Twitter data comply with our policies, we require additional information from developers signing up to use this service. Providing thorough answers will help us understand your use cases and will help expedite the evaluation of your application. Learn more about our [restricted use cases](#).

### Add your account details

**Who are you requesting access for?**

I am requesting access for my organization  
I plan to use Twitter's developer platform for projects owned by / in affiliation with a business, organization or institution. Ex: SaaS product, proof of concept, academic research, etc. *To enable collaboration, this selection includes additional tools to support team development.*

I am requesting access for my own personal use  
I plan to use Twitter's developer platform for projects unaffiliated with an existing business, organization or institution. Ex: Side project, hobby, etc. *Personal use accounts do not include team development tools.*

Tell us about yourself

**Account name**  
e.g., username, project name, etc.

**Primary country of operation**

[Continue](#)

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:

Apply — Twitter Developers x +  
https://developer.twitter.com/en/apply/account

Developer Use cases Products Docs More Apply Apps

STATUS: IN PROGRESS

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- Use case details
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I am requesting access for my own personal use  
I plan to use Twitter's developer platform for projects unaffiliated with an existing business, organization or institution. Ex: Side project, hobby, etc. *Personal use accounts do not include team development tools.*

Tell us about yourself

**Account name**  
e.g., username, project name, etc.

**Primary country of operation**

[Continue](#)

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

The screenshot shows the Twitter Developer application form at the URL <https://developer.twitter.com/en/apply/usecase>. The page has a purple header with navigation links: Developer, Use cases, Products, Docs, More, Apply, and Apps. On the left, a sidebar shows the application progress: STATUS: IN PROGRESS, with steps: User profile, Account details, Use case details (highlighted), Terms of service, and Email verification. Below the sidebar is a section titled "Why the questions?" explaining the purpose of the form. The main content area is titled "Tell us about your project" and contains a section "What use case(s) are you interested in?" with the instruction "Select all that apply". The following checkboxes are visible: Academic research, Advertising, Audience analysis, Chatbots and automation, Consumer / end-user experience, Engagement and customer service, Publish and curate Tweets, Student project / Learning to code, Topic analysis, and Trend and event detection. The "Student project / Learning to code" checkbox is checked. Below this is a section "Describe in your own words what you are building" with a paragraph of instructions and two numbered questions.

## 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*.

This screenshot shows the same Twitter Developer application form as above, but with several checkboxes selected in the "What use case(s) are you interested in?" section. In addition to the "Student project / Learning to code" checkbox, the following checkboxes are now checked: Academic research, Advertising, Audience analysis, Consumer / end-user experience, Topic analysis, and Trend and event detection. The rest of the page content remains the same as in the previous screenshot.

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

help us understand your use cases and will help expedite the evaluation of your application. Learn more about our [restricted use cases](#).

1. What is the core use case, intent, or purpose for your use of Twitter's APIs?
2. Do you intend to analyze Tweets, Twitter users, or their content? If so, share details about the analyses you plan to conduct and the methods or techniques you plan to use.
3. Does your use case involve Tweeting, Retweeting, or liking content? If so, share how you will interact with Twitter users or their content.
4. How will Twitter data be displayed to users of your solution? If you plan to display Twitter content off of Twitter, explain how and where Tweets and Twitter content will be displayed to users of your product or service. Will individual Tweets and Twitter content be displayed, or will information about Tweets or Twitter content be displayed in aggregate?

1.  
2.  
3.  
4.

ⓘ **Must be 300 characters or longer** Minimum characters: 300

**Example:**

1. I'm using Twitter's APIs to...
2. I plan to analyze Tweets to understand...
3. Yes, I will be Tweeting content when...
4. Tweets will be displayed on...

Please answer each question even if the answer is "not applicable". For example: "My solution will not..."  
[Read more about our restricted use cases](#)

**Will your product, service, or analysis make Twitter content or derived information available to a government entity?**  
In general, schools, colleges, or universities do *not* fall under this category.

No  
 Yes

[Continue](#)

## 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.*

help us understand your use cases and will help expedite the evaluation of your application. Learn more about our [restricted use cases](#).

1. What is the core use case, intent, or purpose for your use of Twitter's APIs?
2. Do you intend to analyze Tweets, Twitter users, or their content? If so, share details about the analyses you plan to conduct and the methods or techniques you plan to use.
3. Does your use case involve Tweeting, Retweeting, or liking content? If so, share how you will interact with Twitter users or their content.
4. How will Twitter data be displayed to users of your solution? If you plan to display Twitter content off of Twitter, explain how and where Tweets and Twitter content will be displayed to users of your product or service. Will individual Tweets and Twitter content be displayed, or will information about Tweets or Twitter content be displayed in aggregate?

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.

ⓘ **Must be 300 characters or longer** Minimum characters: 300

**Example:**

1. I'm using Twitter's APIs to...
2. I plan to analyze Tweets to understand...
3. Yes, I will be Tweeting content when...
4. Tweets will be displayed on...

Please answer each question even if the answer is "not applicable". For example: "My solution will not..."  
[Read more about our restricted use cases](#)

**Will your product, service, or analysis make Twitter content or derived information available to a government entity?**  
In general, schools, colleges, or universities do *not* fall under this category.

No  
 Yes

[Continue](#)

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

help us understand your use cases and will help expedite the evaluation of your application. [Learn more about our restricted use cases.](#)

1. What is the core use case, intent, or purpose for your use of Twitter's APIs?
2. Do you intend to analyze Tweets, Twitter users, or their content? If so, share details about the analyses you plan to conduct and the methods or techniques you plan to use.
3. Does your use case involve Tweeting, Retweeting, or liking content? If so, share how you will interact with Twitter users or their content.
4. How will Twitter data be displayed to users of your solution? If you plan to display Twitter content off of Twitter, explain how and where Tweets and Twitter content will be displayed to users of your product or service. Will individual Tweets and Twitter content be displayed, or will information about Tweets or Twitter content be displayed in aggregate?

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...

**Will your product, service, or analysis make Twitter content or derived information available to a government entity?**  
In general, schools, colleges, or universities do not fall under this category.

No  
 Yes

[Continue](#)

**Example:**

1. I'm using Twitter's APIs to...
2. I plan to analyze Tweets to understand...
3. Yes, I will be Tweeting content when...
4. Tweets will be displayed on...

Please answer each question even if the answer is "not applicable". For example: "My solution will not..."  
[Read more about our restricted use cases.](#)

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

STATUS: IN PROGRESS

- User profile
- Account details
- Use case details
- Terms of service
- Email verification

### Read and agree to the Terms of Service

Scroll through to accept

#### Developer Agreement

Effective: May 25, 2018.

This Twitter Developer Agreement ("Agreement") is made between you (either an individual or an entity, referred to herein as "you") and Twitter, Inc. and Twitter International Company (collectively, "Twitter") and governs your access to and use of the Licensed Material (as defined below). Your use of Twitter's websites, SMS, APIs, email notifications, applications, buttons, embeds, ads, and our other covered services is governed by our general Terms of Service and Privacy Policy.

PLEASE READ THE TERMS AND CONDITIONS OF THIS AGREEMENT CAREFULLY, INCLUDING WITHOUT LIMITATION ANY LINKED TERMS AND CONDITIONS APPEARING OR REFERENCED BELOW, WHICH ARE HEREBY MADE PART OF THIS LICENSE AGREEMENT. BY USING THE LICENSED MATERIAL, YOU ARE AGREEING THAT YOU HAVE READ, AND THAT YOU AGREE TO COMPLY WITH AND TO BE BOUND BY THE TERMS AND CONDITIONS OF THIS AGREEMENT AND ALL APPLICABLE LAWS AND REGULATIONS IN THEIR ENTIRETY WITHOUT LIMITATION OR QUALIFICATION. IF YOU DO NOT AGREE TO BE BOUND BY THIS AGREEMENT, THEN YOU MAY NOT ACCESS OR OTHERWISE USE THE LICENSED MATERIAL. THIS AGREEMENT IS EFFECTIVE AS OF THE FIRST DATE THAT YOU USE THE LICENSED MATERIAL ("EFFECTIVE DATE").

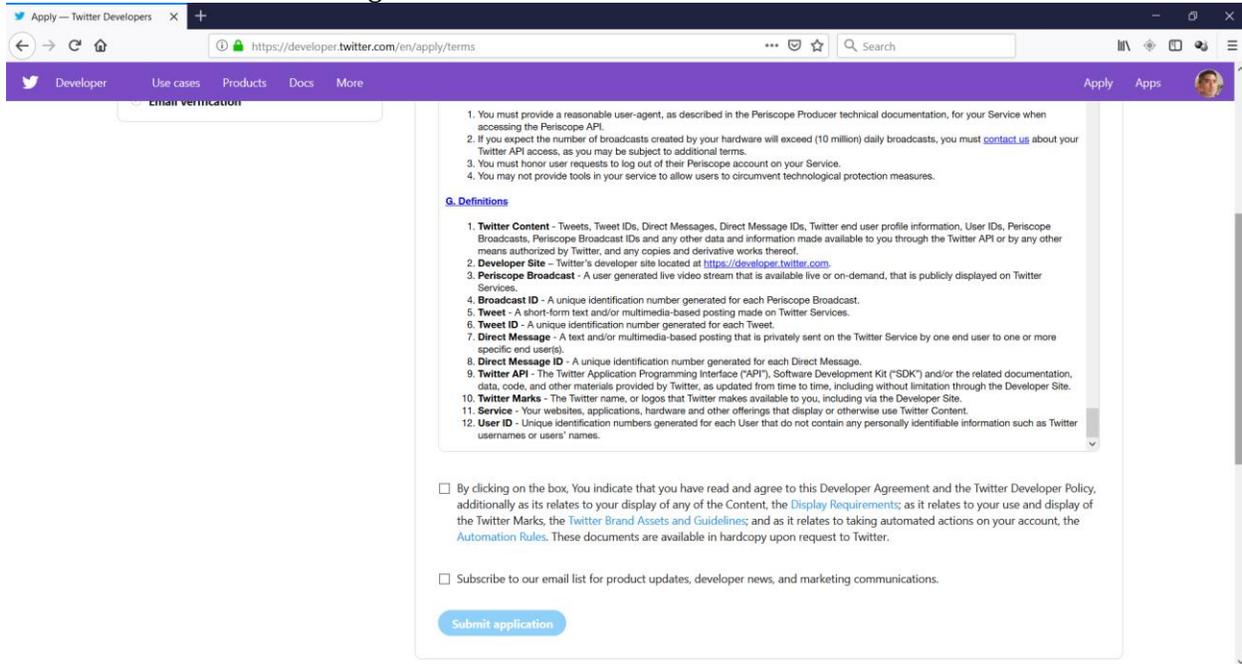
IF YOU ARE AN INDIVIDUAL REPRESENTING AN ENTITY, YOU ACKNOWLEDGE THAT YOU HAVE THE APPROPRIATE AUTHORITY TO ACCEPT THIS AGREEMENT ON BEHALF OF SUCH ENTITY. YOU MAY NOT USE THE LICENSED MATERIAL AND MAY NOT ACCEPT THIS AGREEMENT IF YOU ARE NOT OF LEGAL AGE TO FORM A BINDING CONTRACT WITH TWITTER, OR YOU ARE BARRED FROM USING OR RECEIVING THE LICENSED MATERIAL UNDER APPLICABLE LAW.

#### I. Twitter API and Twitter Content

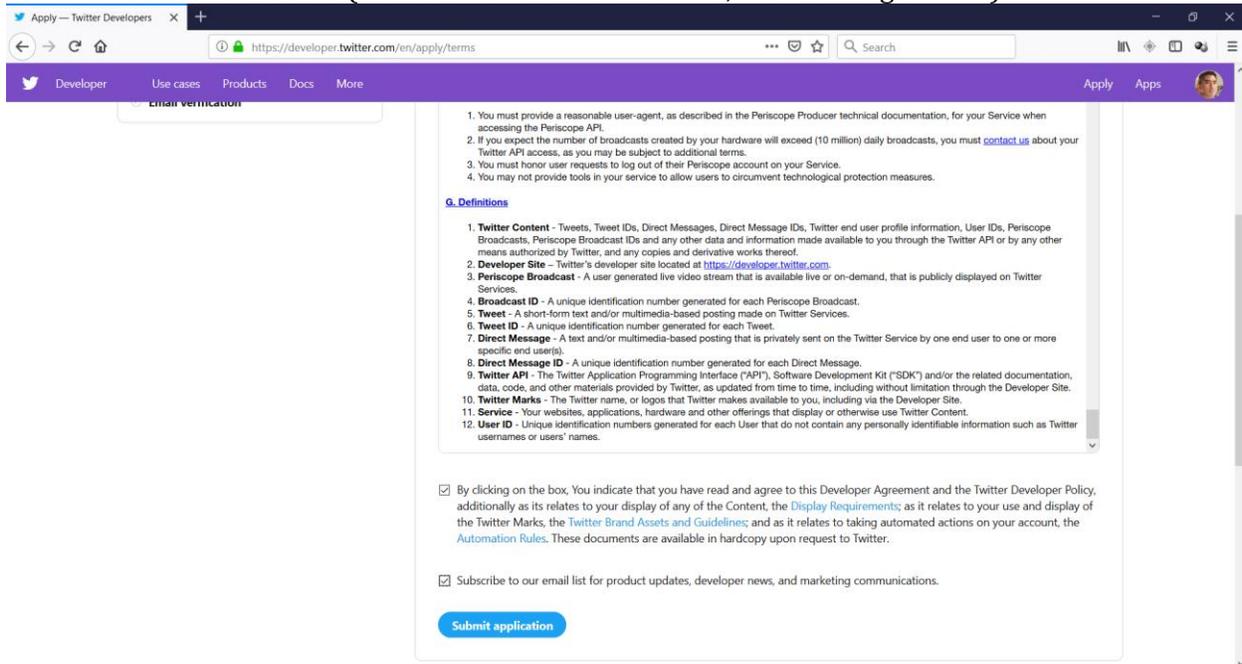
##### A. Definitions

1. **Twitter Content** – Tweets, Tweet IDs, Twitter end user profile information, Periscope Broadcasts, Broadcast IDs and any other data and information made available to you through the Twitter API or by any other means authorized by Twitter, and any copies and derivative works thereof.
2. **Broadcast ID** – A unique identification number generated for each Periscope Broadcast.
3. **Developer Site** – Twitter's developer site located at <https://developer.twitter.com>.

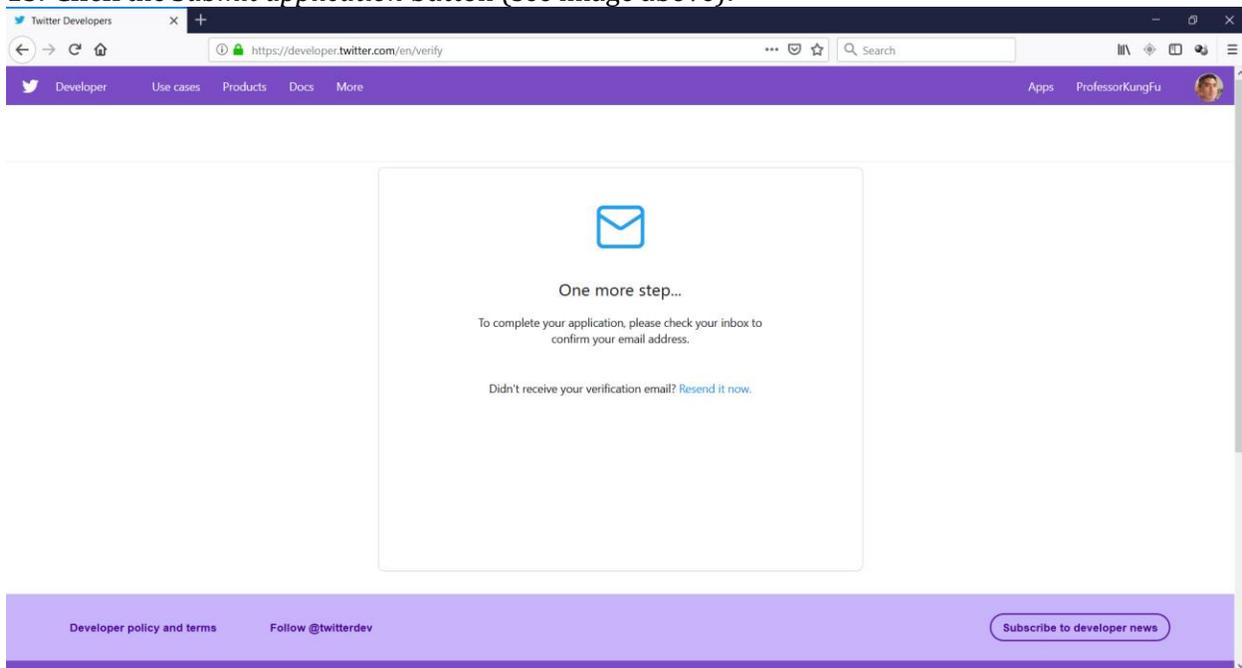
### 13. Scroll to the end of the legalese:



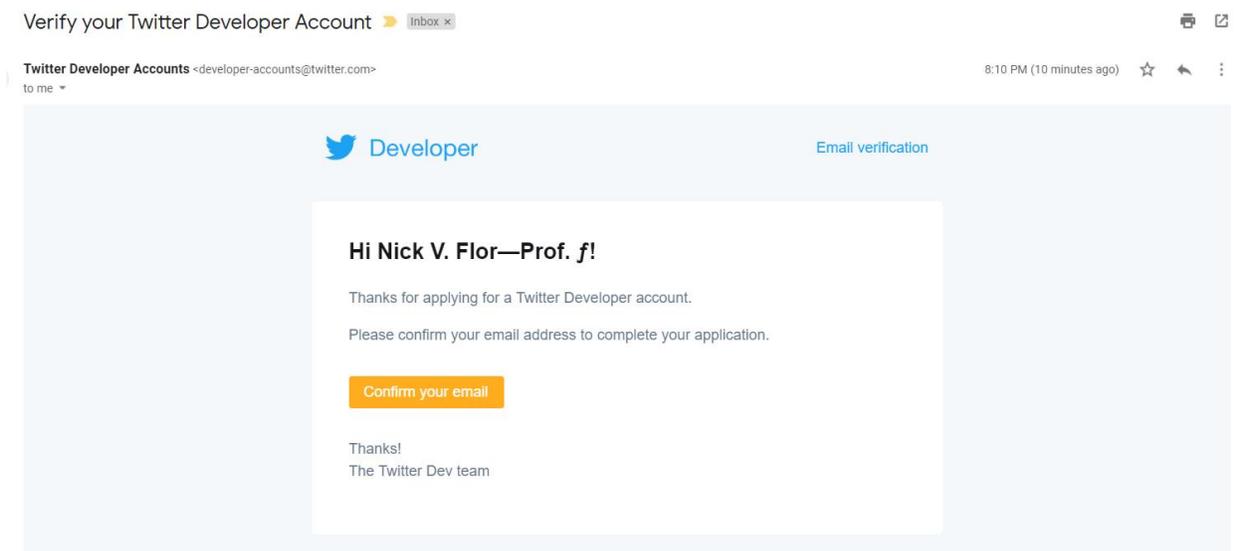
### 14. Click both check boxes (well at least click the first box, see the image above):



15. Click the *Submit application* button (see image above):



16. **Goto** your e-mail and you will see a mail similar to the following:



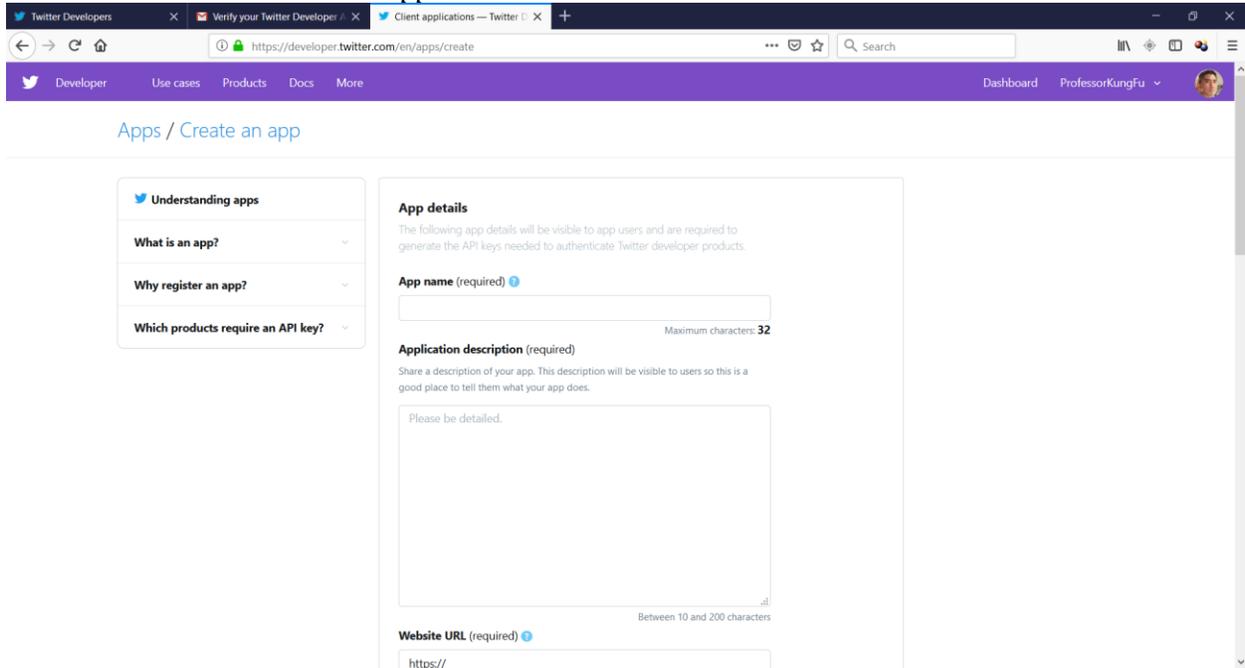
## 17. Click on the *Confirm your email* button (see image above):

The screenshot shows the 'Account / Get started' page on the Twitter Developer portal. The page has a purple header with navigation links: 'Developer', 'Use cases', 'Products', 'Docs', 'More', 'Dashboard', and a user profile for 'ProfessorKungFu'. The main content area is purple and contains a 'Welcome!' message. Below the welcome message, there are two columns of content. The left column is titled 'Helpful tools' and includes links for 'Dive into the docs', 'View API usage', 'Have a question?', and 'Looking for something else?'. The right column is titled 'Get started' and contains two steps: 'Create an app' and 'Set up a dev environment'. The 'Create an app' step is highlighted with a blue border and includes a description: 'To use an API, we require you create an app as part of our OAuth authorization scheme. Visit the [Apps](#) page of this developer portal to create one. Then, return to this page to complete the next step.'

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

The screenshot shows the 'Apps' page on the Twitter Developer portal. The page has a purple header with navigation links: 'Developer', 'Use cases', 'Products', 'Docs', 'More', 'Dashboard', and a user profile for 'ProfessorKungFu'. The main content area is white and features a large purple circular icon with a white Twitter bird. Below the icon, the text reads 'Create your first app' and 'You'll need an app and API key in order to authenticate and integrate with most Twitter developer products. Create an app to get your API key.' A blue button labeled 'Create an app' is centered below the text. At the bottom of the page, there is a purple footer with links for 'Developer policy and terms', 'Follow @twitterdev', and a button for 'Subscribe to developer news'.

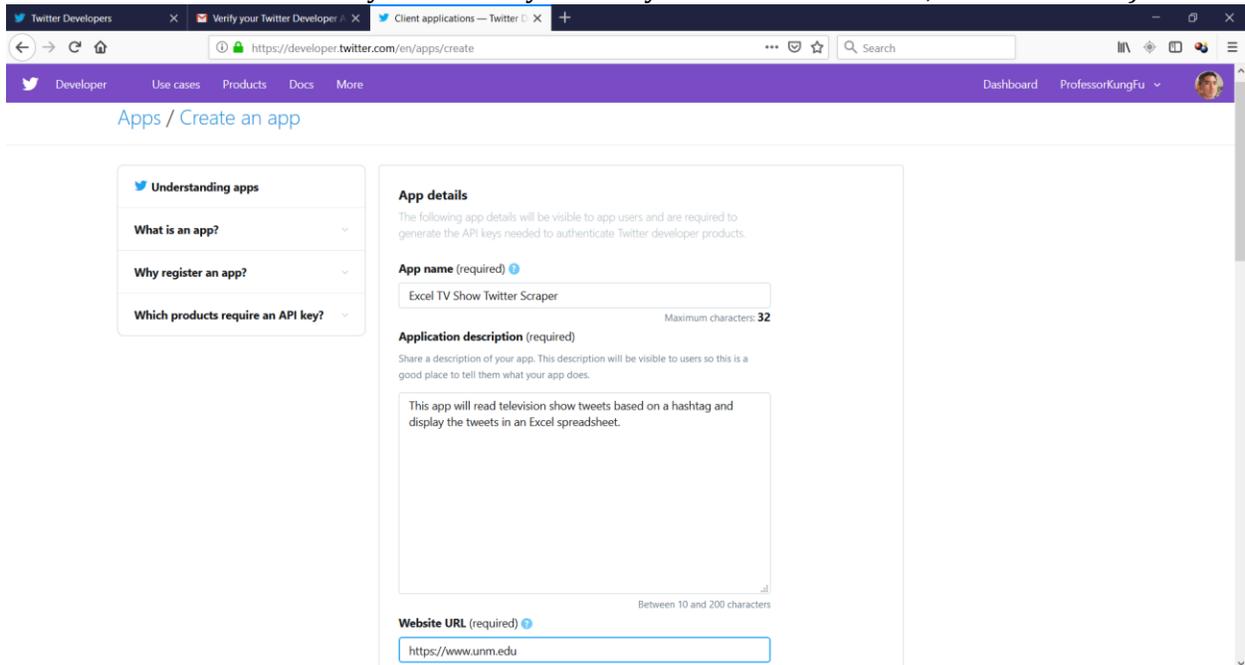
## 19. Click the button *Create an app*:



The screenshot shows the 'Create an app' page on the Twitter Developer portal. The page has a purple header with navigation links like 'Developer', 'Use cases', 'Products', 'Docs', and 'More'. On the left, there is a sidebar with 'Understanding apps' and three expandable sections: 'What is an app?', 'Why register an app?', and 'Which products require an API key?'. The main content area is titled 'App details' and contains the following fields:

- App name (required)**: An empty text input field with a character count of 32.
- Application description (required)**: A text area with the placeholder text 'Please be detailed.' and a character count of 200.
- Website URL (required)**: A text input field with the placeholder 'https://' and a character count of 200.

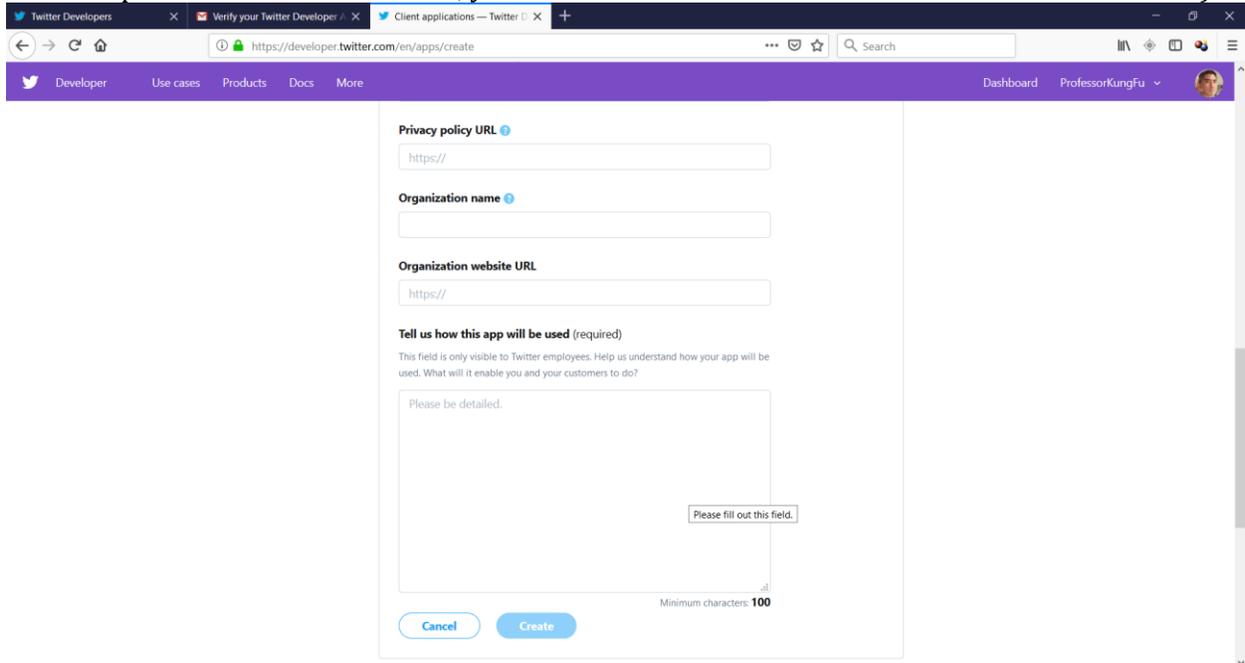
## 20. Enter an *App name* and an *Application Description* and a *Website URL* in the text boxes (you can use what I enter below if you'd like. If you have your own website URL, enter it instead):



This screenshot shows the same 'Create an app' page, but with the form fields filled out:

- App name (required)**: The text 'Excel TV Show Twitter Scraper' is entered in the input field.
- Application description (required)**: The text 'This app will read television show tweets based on a hashtag and display the tweets in an Excel spreadsheet.' is entered in the text area.
- Website URL (required)**: The text 'https://www.unm.edu' is entered in the input field.

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):

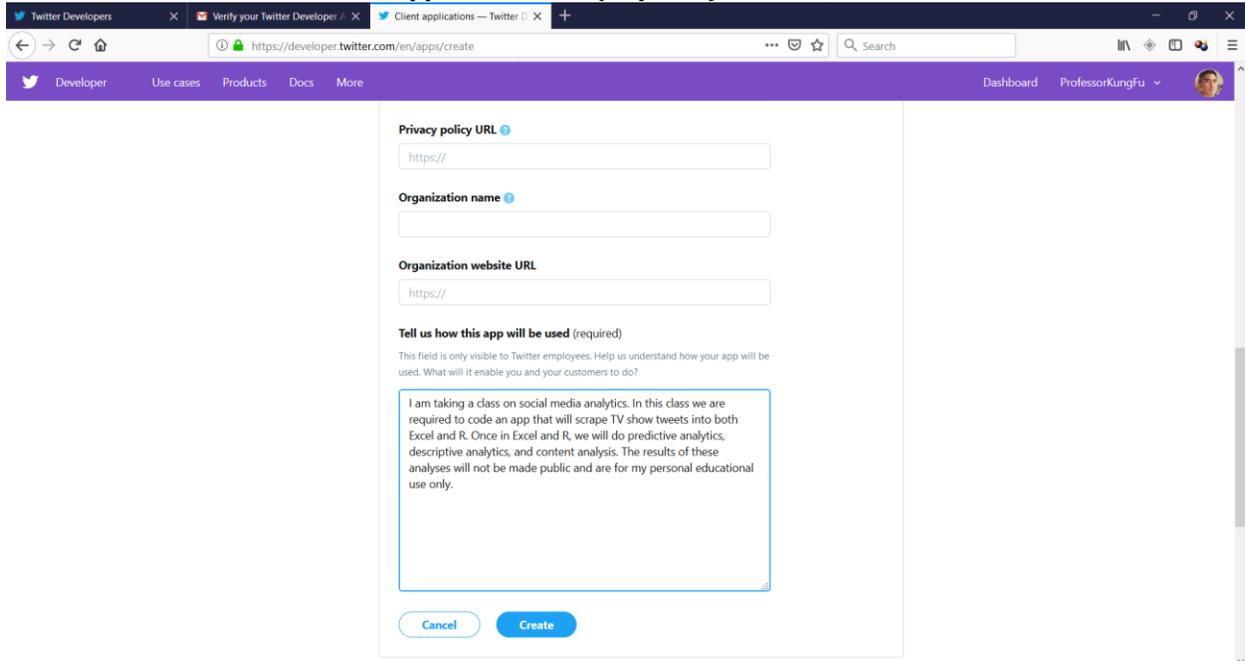


The screenshot shows the 'Create app' form on the Twitter Developer portal. The form includes the following fields:

- Privacy policy URL**: A text input field containing 'https/'.
- Organization name**: An empty text input field.
- Organization website URL**: A text input field containing 'https/'.
- Tell us how this app will be used (required)**: A large text area containing the placeholder text 'Please be detailed.' and a tooltip that says 'Please fill out this field.' The text area also indicates a 'Minimum characters: 100'.

At the bottom of the form are two buttons: 'Cancel' and 'Create'.

22. **Fill out the *Tell us how this app will be used (required)* text box**, as follows:

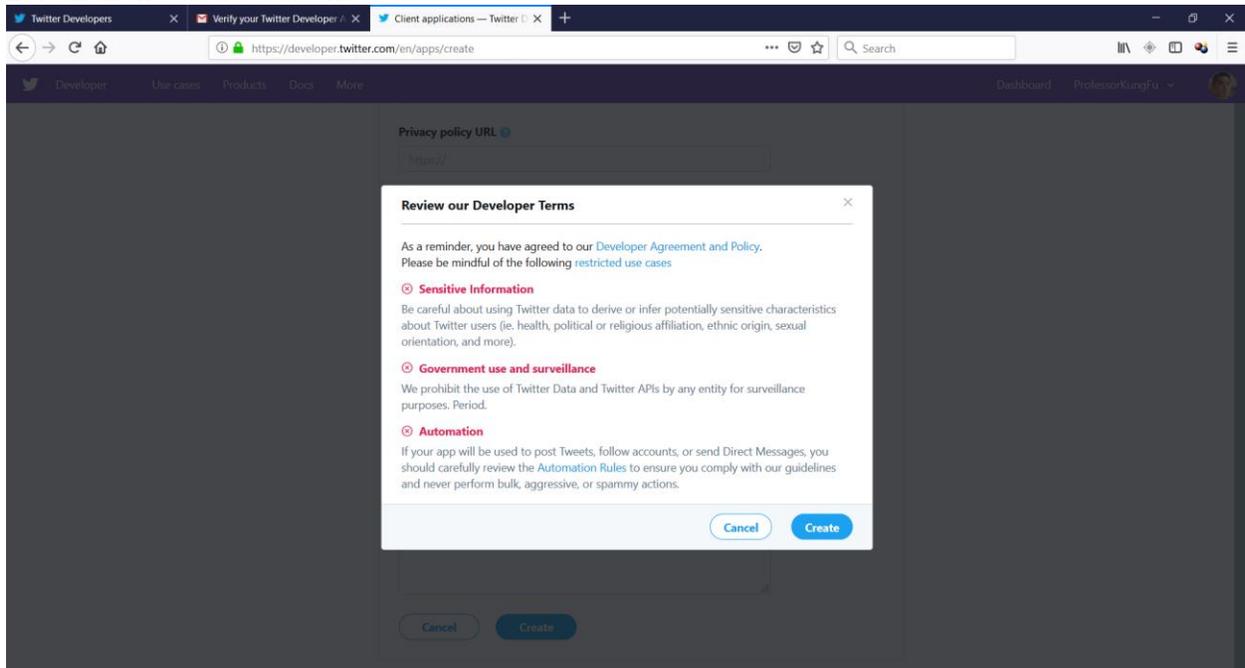


The screenshot shows the same 'Create app' form as in the previous image, but with the 'Tell us how this app will be used (required)' text area filled with the following text:

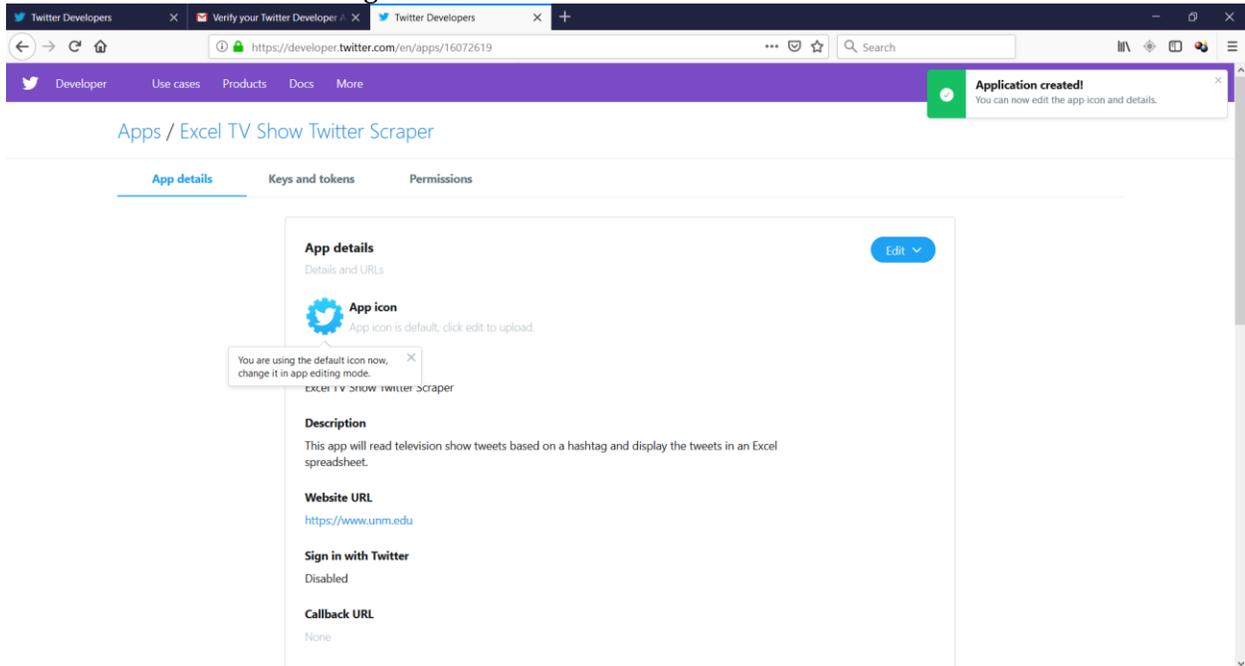
I am taking a class on social media analytics. In this class we are required to code an app that will scrape TV show tweets into both Excel and R. Once in Excel and R, we will do predictive analytics, descriptive analytics, and content analysis. The results of these analyses will not be made public and are for my personal educational use only.

The 'Cancel' and 'Create' buttons are visible at the bottom of the form.

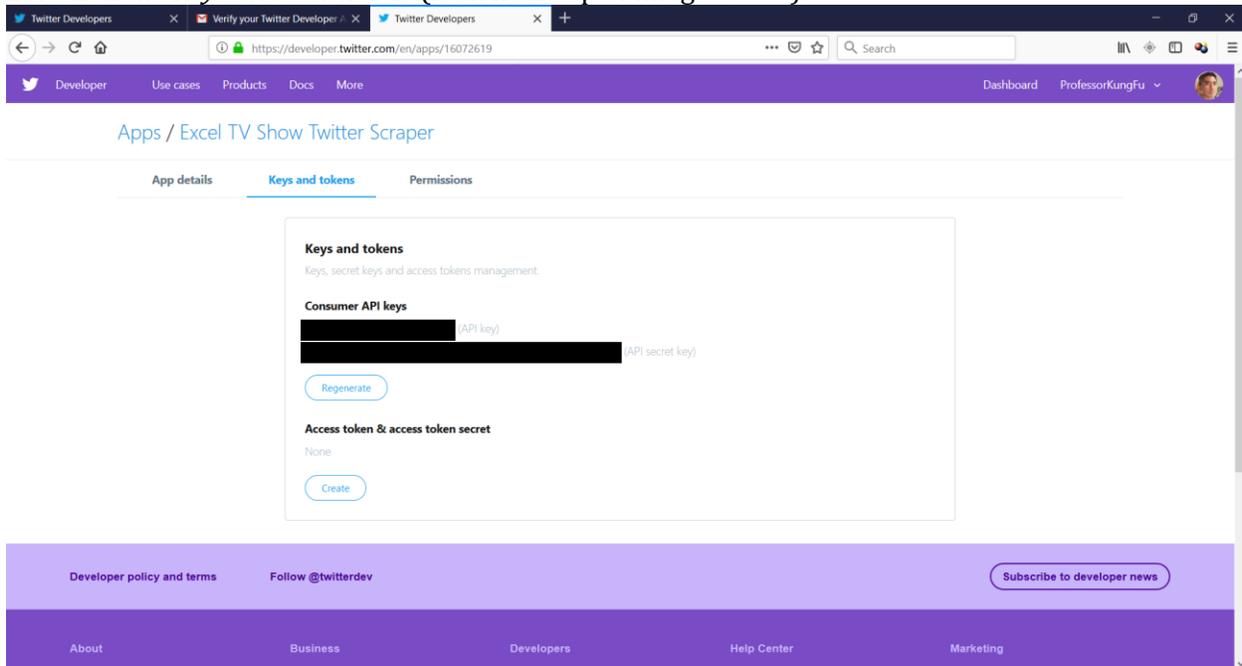
## 23. Click the *Create* button:



## 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](http://professorf.com/cognitive-analytics/smeda-tutorial/)” on <http://professorf.com/cognitive-analytics/smeda-tutorial/>