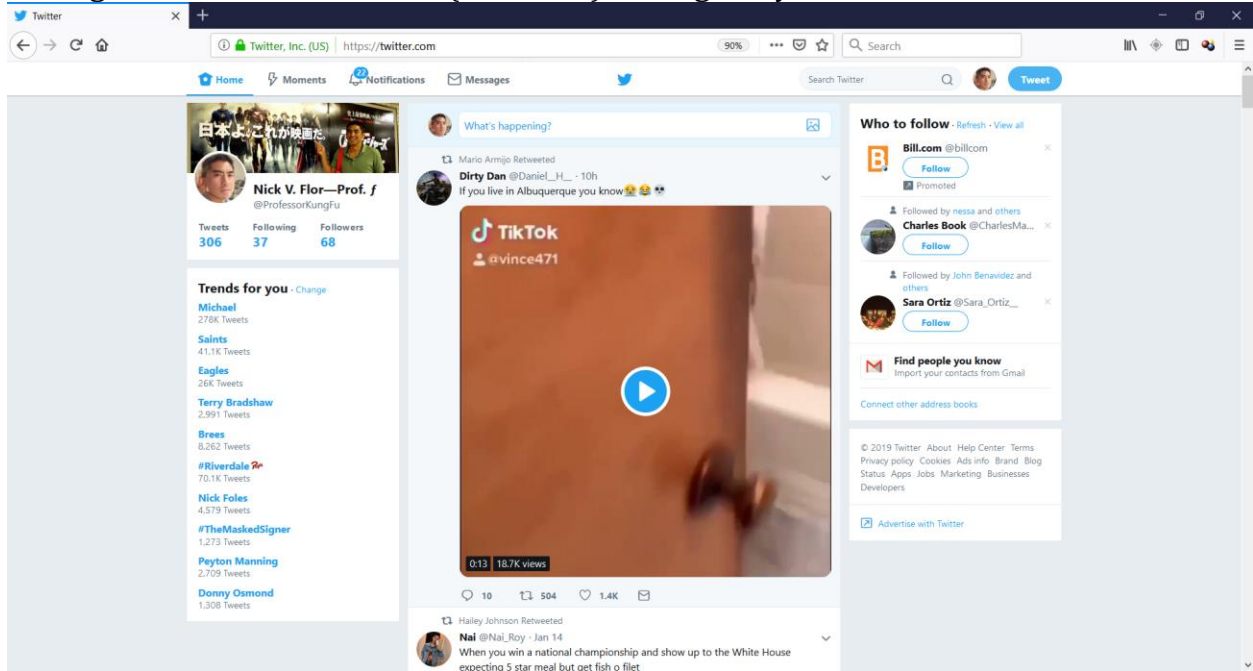


How to Register for a Developer Account

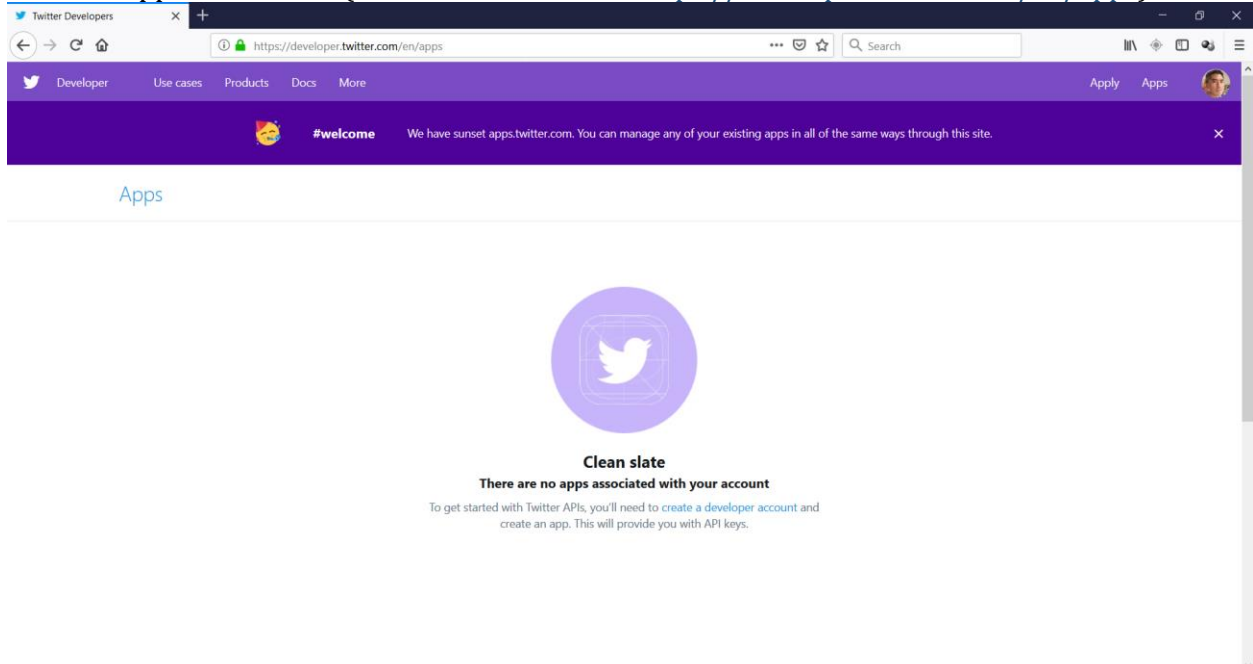
Nick V. Flor (professorf@gmail.com)

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).

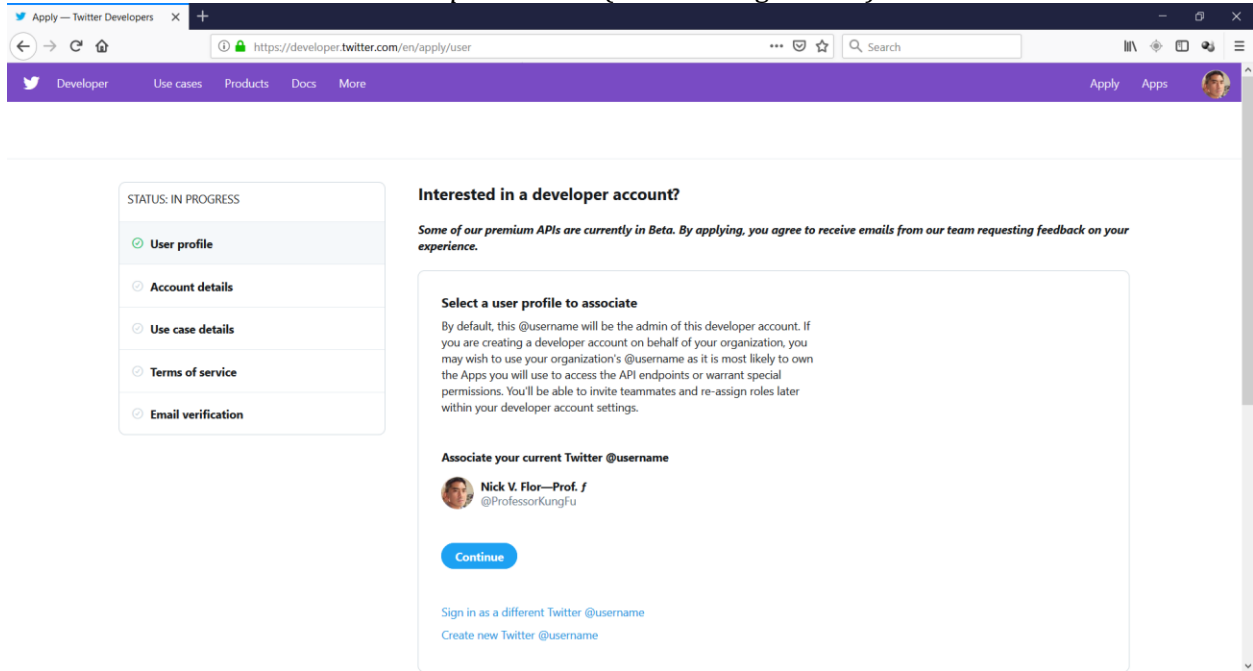
1. Register for a Twitter Account (not shown) and Login to your account. REACTION:



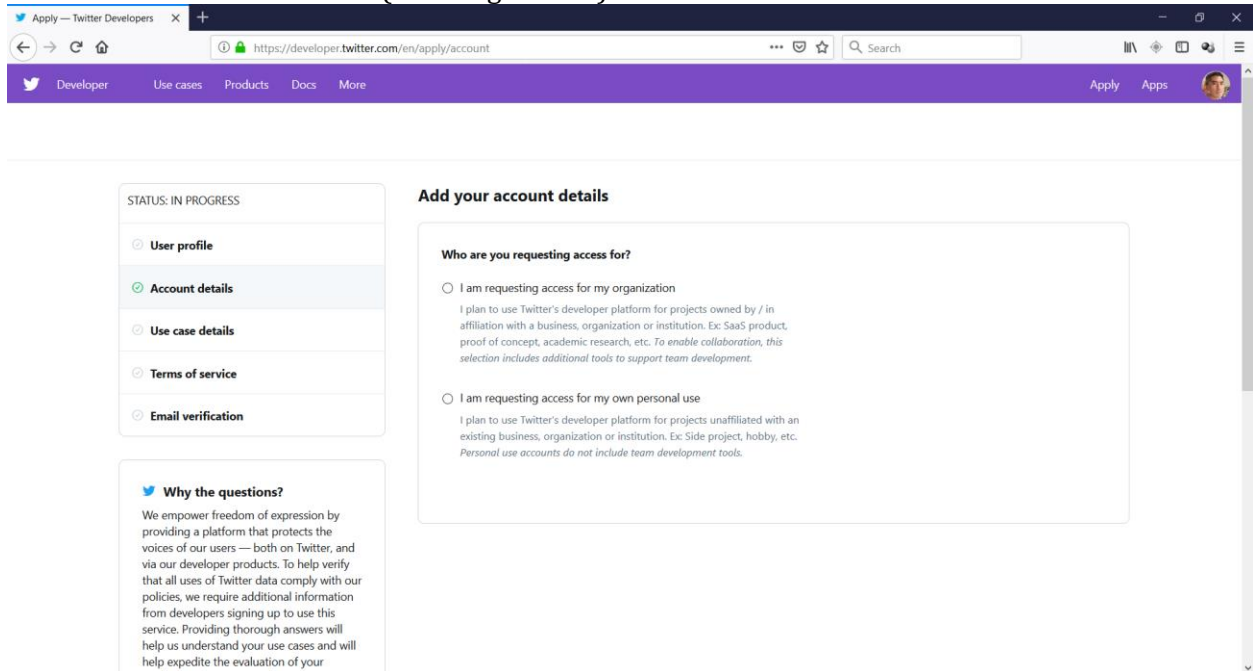
2. Goto apps.twitter.com (twitter will redirect to <https://developer.twitter.com/en/apps>):



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):

The screenshot shows the 'Add your account details' section of the Twitter Developer application form. On the left, a sidebar contains a progress indicator with 'Account details' selected, and a 'Why the questions?' section. The main form area has two radio buttons under 'Who are you requesting access for?': 'I am requesting access for my organization' (unselected) and 'I am requesting access for my own personal use' (selected). Below this, there is a 'Tell us about yourself' section with an 'Account name' text box (placeholder: 'Name your account...') and a 'Primary country of operation' dropdown menu (placeholder: 'Select one...'). A blue 'Continue' button is at the bottom.

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:

This screenshot shows the same form as above, but with the 'Account name' field filled with 'ProfessorKungFu' and the 'Primary country of operation' dropdown menu set to 'United States'. The 'Continue' button remains at the bottom.

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 present: 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 "Student project / Learning to code", 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

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](#)

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

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](#)

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").

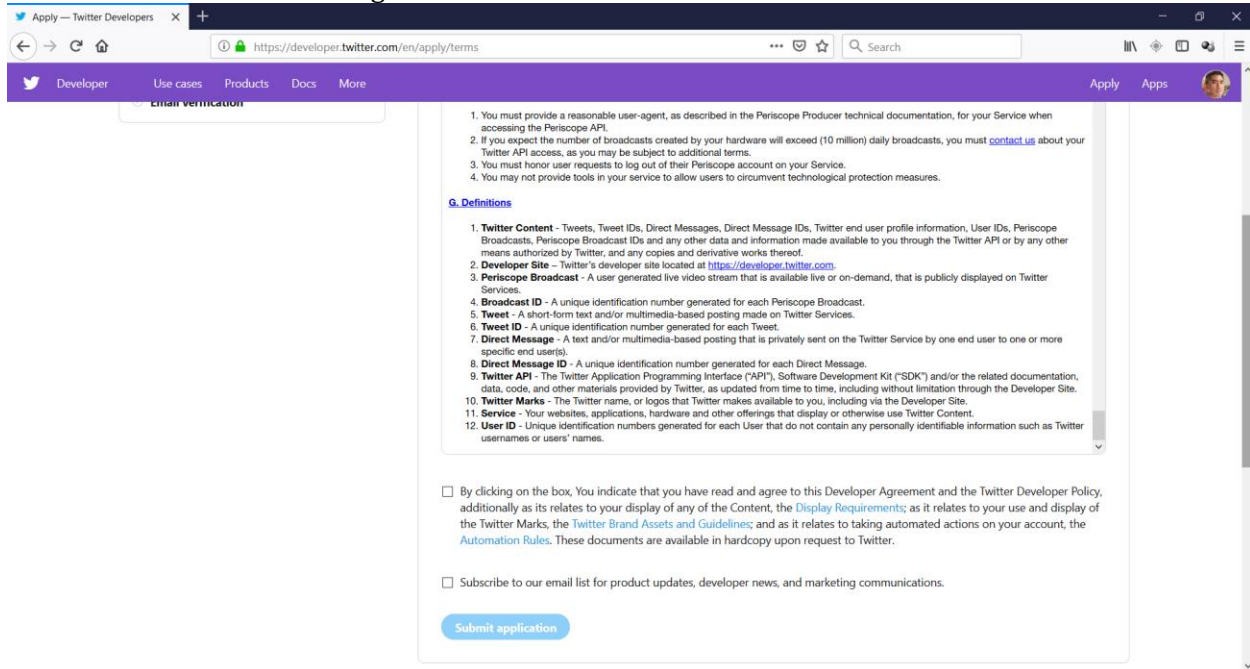
IF YOU ARE AN INDIVIDUAL REPRESENTING AN ENTITY, YOU ACKNOWLEDGE THAT YOU HAVE THE APPROPRIATE AUTHORITY TO ACCEPT THIS AGREEMENT ON BEHALF OF SUCH ENTITY. YOU MAY NOT USE THE LICENSED MATERIAL AND MAY NOT ACCEPT THIS AGREEMENT IF YOU ARE NOT OF LEGAL AGE TO FORM A BINDING CONTRACT WITH TWITTER, OR YOU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

I. Twitter API and Twitter Content

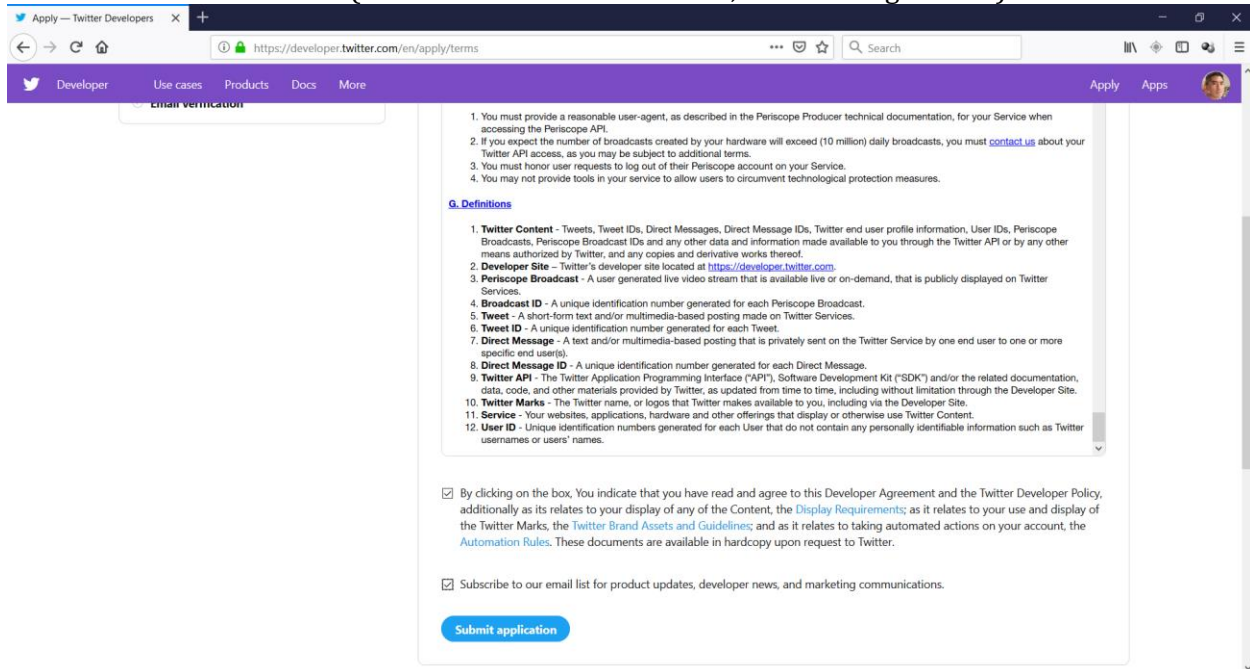
A. Definitions

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>.

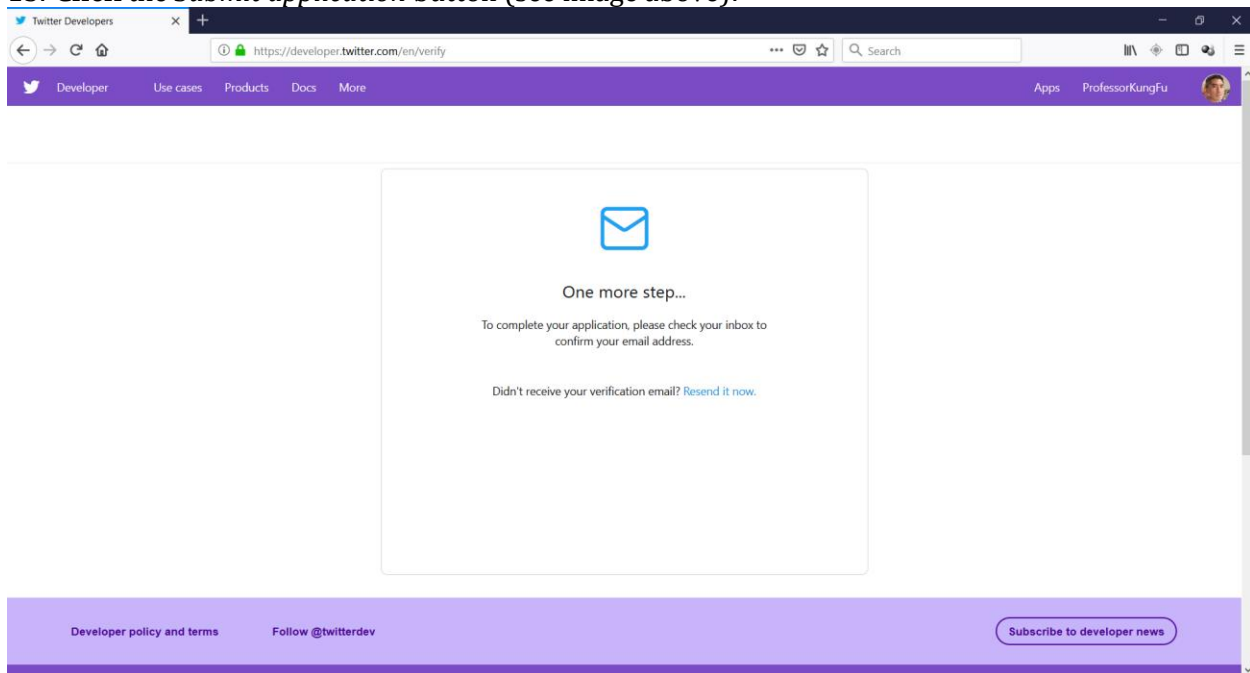
13. Scroll to the end of the legalese:



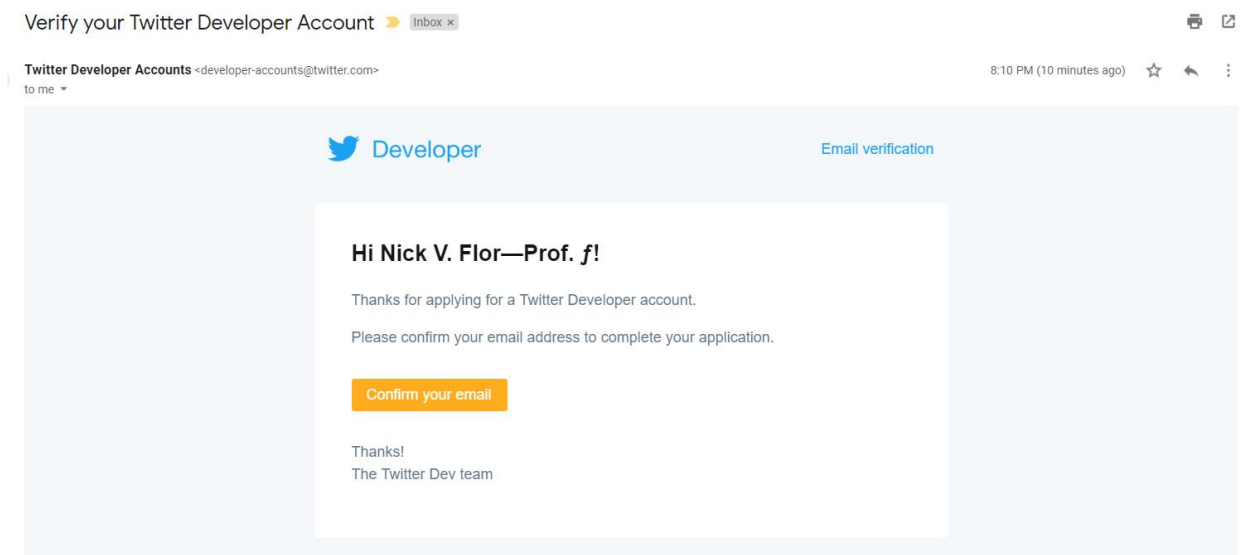
14. Click both check boxes (well at least click the first box, see the image above):



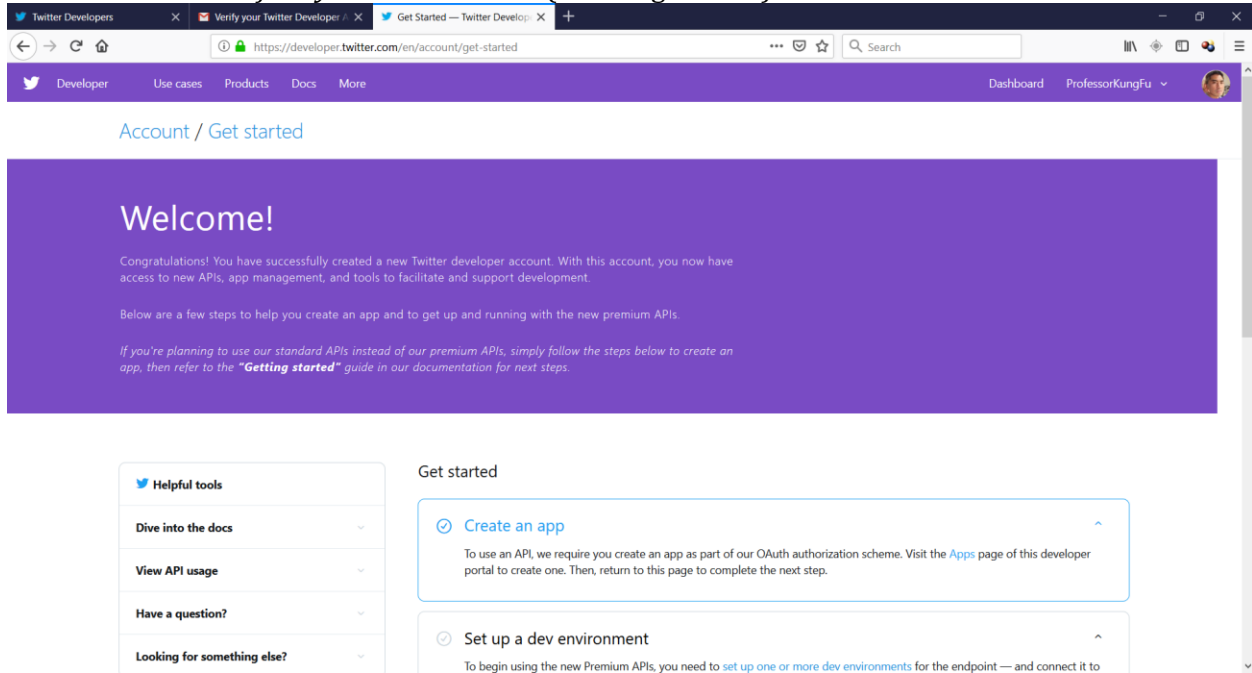
15. Click the *Submit application* button (see image above):



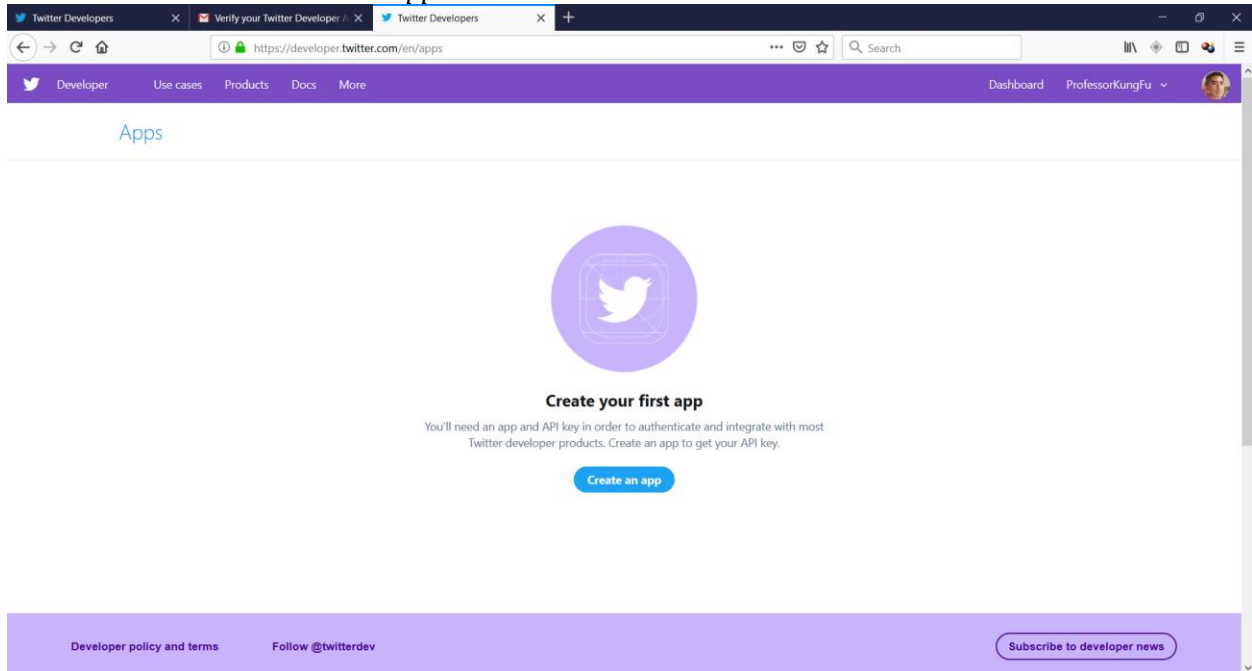
16. **Goto** your e-mail and you will see a mail similar to the following:



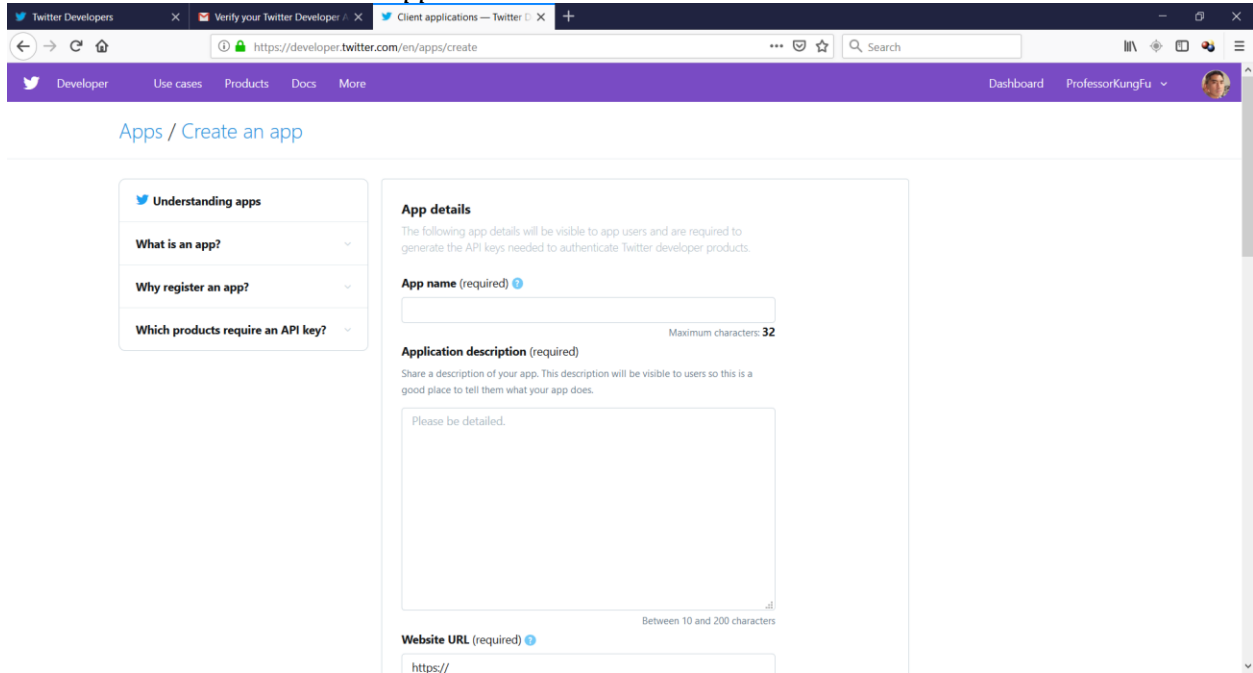
17. Click on the *Confirm your email* button (see image above):



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

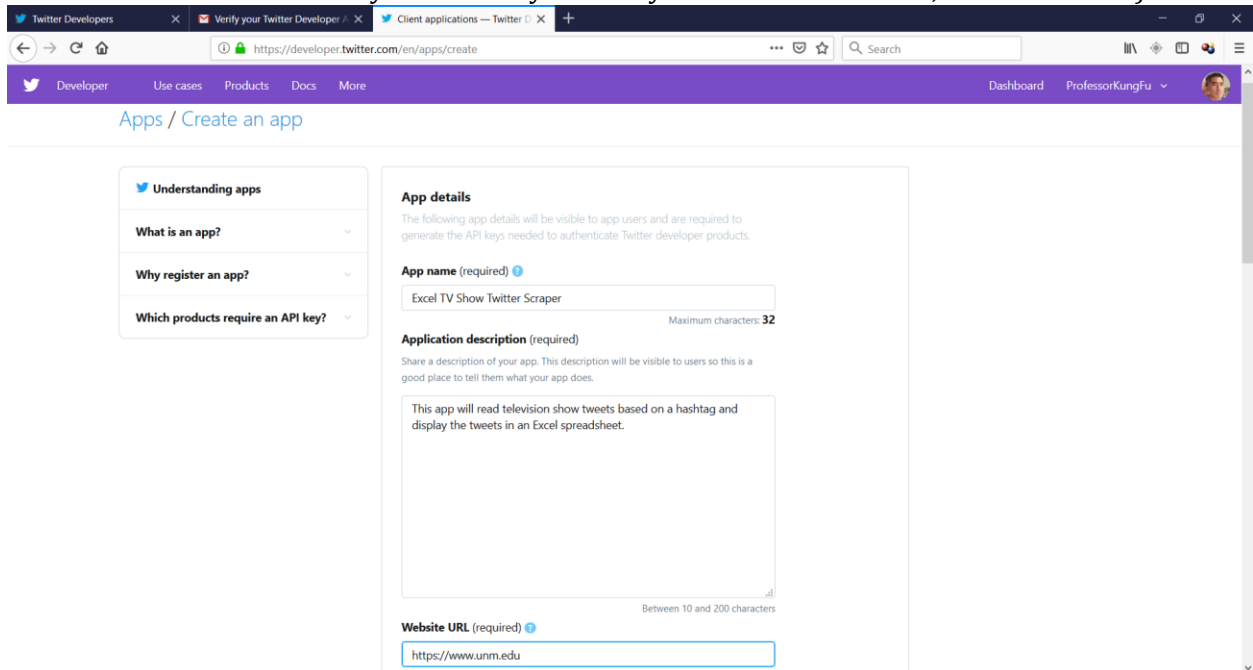


19. Click the button *Create an app*:



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 three required fields: 'App name (required)' with a maximum character limit of 32, 'Application description (required)' with a character limit of 200, and 'Website URL (required)'. The form fields are currently empty.

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. The 'App name' field contains 'Excel TV Show Twitter Scraper'. The 'Application description' field contains 'This app will read television show tweets based on a hashtag and display the tweets in an Excel spreadsheet.' The 'Website URL' field contains 'https://www.unm.edu'. The character counts for each field are visible: 32 for the app name and 200 for the application description.

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 Twitter Developer Client applications creation page. The browser address bar is <https://developer.twitter.com/en/apps/create>. The page has a purple header with navigation links: Developer, Use cases, Products, Docs, More, Dashboard, and ProfessorKungFu. The form contains the following fields:

- Privacy policy URL:
- Organization name:
- Organization website URL:
- Tell us how this app will be used (required): A tooltip points to this field with the text "Please fill out this field." Below the text box, it says "Minimum characters: 100".

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

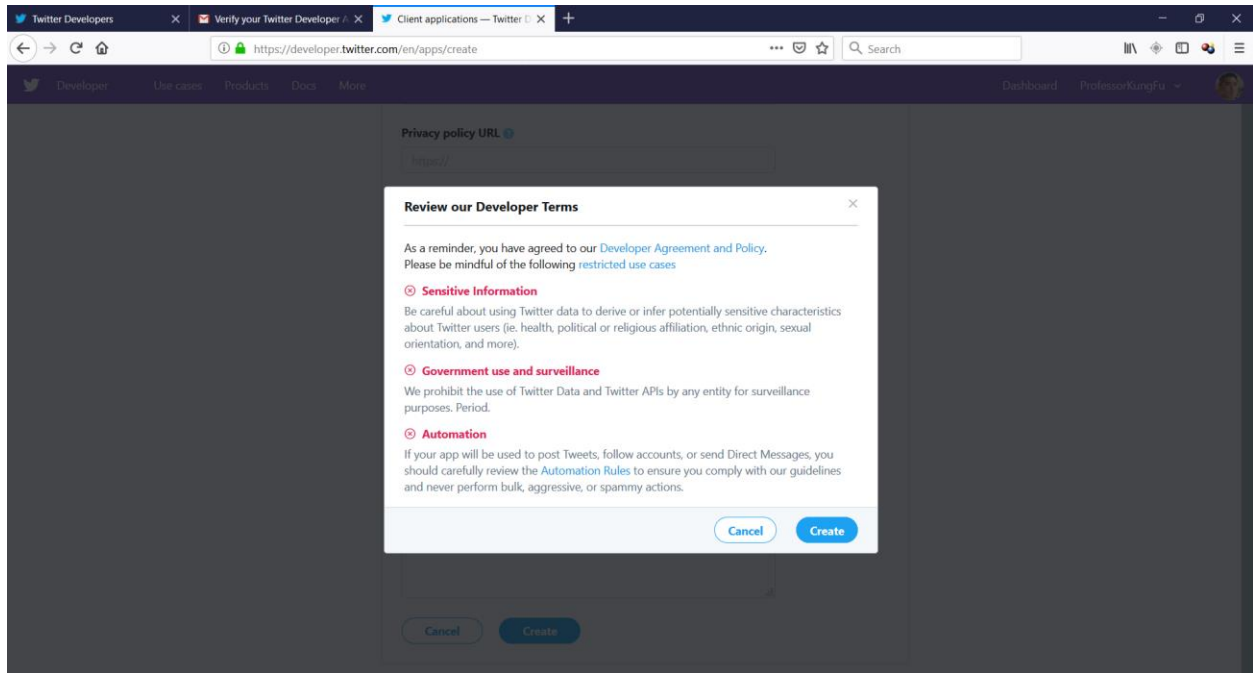
22. **Fill out the *Tell us how this app will be used (required)* text box**, as follows:

The screenshot shows the same Twitter Developer Client applications creation page, but the "Tell us how this app will be used" field is now filled with the following text:

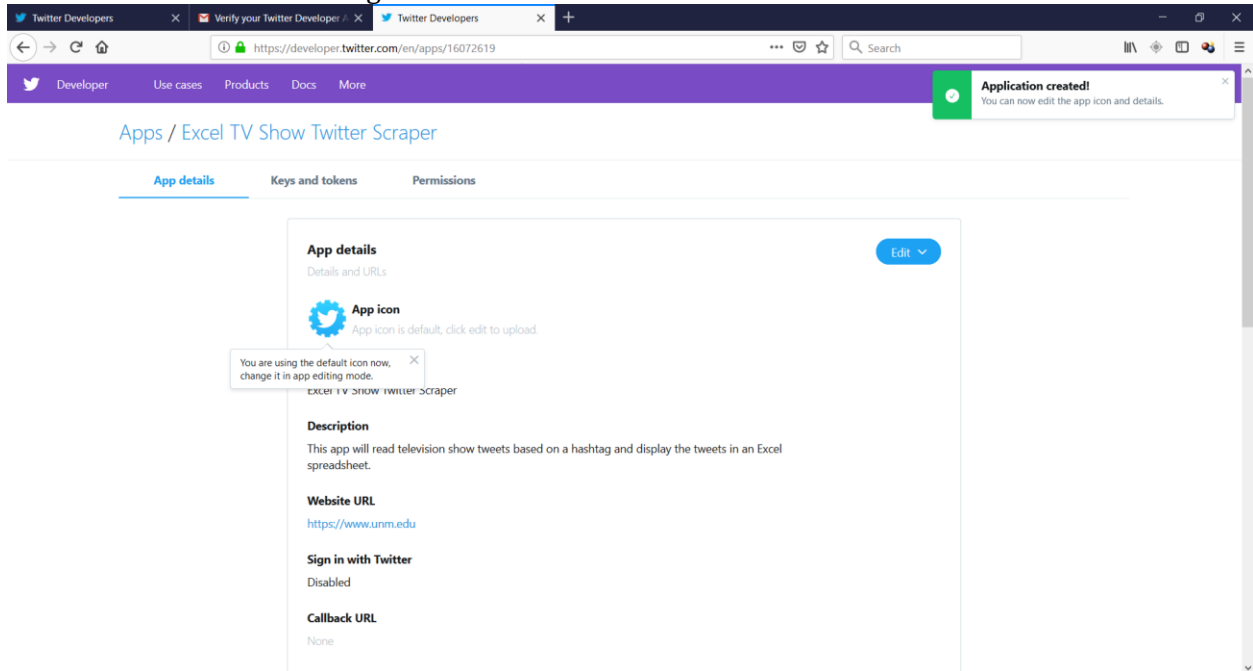
I am taking a class on social media analytics. In this class we are required to code an app that will scrape TV show tweets into both Excel and R. Once in Excel and R, we will do predictive analytics, descriptive analytics, and content analysis. The results of these analyses will not be made public and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

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

23. Click the *Create* button:



24. Click the *Create* button again:



25. Click the *Keys and tokens* tab (look near top of image above):

The screenshot shows the Twitter Developer console interface. At the top, there are navigation tabs: 'App details', 'Keys and tokens' (which is selected), and 'Permissions'. The main content area is titled 'Keys and tokens' and includes a sub-header 'Consumer API keys'. Under this section, there are two redacted fields: one labeled '(API key)' and another labeled '(API secret key)'. Below these fields is a 'Regenerate' button. A second section, 'Access token & access token secret', shows 'None' and a 'Create' button. The bottom of the page features a footer with links for 'Developer policy and terms', 'Follow @twitterdev', 'Subscribe to developer news', 'About', 'Business', 'Developers', 'Help Center', and 'Marketing'.

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/>