

How to obtain your Twitter API credentials:

As part of the first tutorial in the hackathon, you will need access to the [Twitter API](#) in order to collect Twitter data. To do this you will need to obtain the following API credentials from Twitter:

- API key
- API secret key
- Access token
- Access token secret

Have these credentials on hand during in time for the event, as you will need to copy and paste them into an existing Python file during tutorial 1.

To obtain these you will need to follow the steps below:

Step 1: Sign up for a Twitter account here: <https://twitter.com> (if you don't already have one)

Step 2: Apply for a developer account here: <https://developer.twitter.com/en/apply-for-access>

- Select “Apply for a developer account”

Get started with Twitter APIs and tools

Apply for access

All new developers must apply for a developer account to access Twitter APIs. Once approved, you can begin to use our standard APIs and our new premium APIs.

[Apply for a developer account](#)

[Restricted use cases >](#)

- Select “Student” as your reason for requiring the developer tools

What is your primary reason for using Twitter developer tools?

We'll help you on your path to getting the most out of Twitter APIs and data.

Professional ...for commercial uses	Hobbyist ...for a personal project	Academic ...for education or research	Other I don't fit any of those
<div><input type="radio"/> Building B2B products</div>	<div><input type="radio"/> Making a bot</div>	<div><input type="radio"/> Doing academic research</div>	<div><input type="radio"/> Embedding Tweets on a website</div>
<div><input type="radio"/> Building consumer products</div>	<div><input type="radio"/> Building tools for Twitter users</div>	<div><input type="radio"/> Teaching</div>	<div><input type="radio"/> Doing something else</div>
<div><input type="radio"/> Build customized solutions in-house</div>	<div><input type="radio"/> Exploring the API</div>	<div><input checked="" type="radio"/> Student</div>	
<div><input type="radio"/> Publishing ads programmatically</div>			

- Fill in your personal details (you will need to provide a working phone number)
- Fill in details about how you plan to use the Twitter API

In your words

In English, please describe how you plan to use Twitter data and/or APIs. For students and teachers, please include the name of the school, the name of the instructor and the course number (if available). The more detailed the response, the easier it is to review and approve.

Please be thoughtful and thorough

Response must be at least 200 characters

200

You may want to write something along these lines *in your own words*: "I will be using the API to take part in a DARA Big Data workshop on machine learning. We will use the Twitter API to collect tweets related to COVID-19 from different regions and then perform a sentiment analysis of the tweets."

- Next, describe how you plan to analyse Twitter data

Are you planning to analyze Twitter data?

☒ Yes

Please describe how you will analyze Twitter data including any analysis of Tweets or Twitter users.

Please be thoughtful and thorough

Response must be at least 100 characters

100

You may write something like the following *in your own words*:: “We will be using machine learning techniques, in particular natural language processing (NLP), to determine sentiments around various topics related to COVID-19 by analysing tweets from around the world.”

- You will simply select “No” for the following questions

Will your app use Tweet, Retweet, like, follow, or Direct Message functionality? ☒ No

Do you plan to display Tweets or aggregate data about Twitter content outside of Twitter? ☒ No

Will your product, service or analysis make Twitter content or derived information available to a government entity? ☒ No

*In general, schools, colleges, and universities **do not** fall under this category.*

- Finally, accept the conditions of the Developer Agreement and submit your application

Please review and accept

Developer Agreement

Effective: March 10, 2020

This Twitter Developer Agreement (“**Agreement**”) is made between you (either an individual or an entity, referred to herein as “**you**”) and Twitter (as defined below) 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. BY USING OUR SERVICES, YOU AGREE TO THESE TERMS.

☒ By clicking on the box, you indicate that you have read and agree to this Developer Agreement and the Twitter Developer Policy, additionally as it relates to your display of any of the Content, the [Display Requirements](#); as it relates to your use and display of the Twitter Marks, the [Twitter Brand Assets and Guidelines](#); and as it relates to taking automated actions on your account, the [Automation Rules](#). These documents are available in hardcopy upon request to Twitter.

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PRIVACY

COOKIES

TERMS OF SERVICE

DEVELOPER POLICY & TERMS

By clicking **Submit Application** you are submitting your application for review. Applications are final and cannot be edited.

[Back](#)[Submit Application](#)

Step 3: Create an API app

Once you have verified your email address you will be taken to your developer page where you will have to enter a name for your app. You can call the app anything you'd like and do not worry too much about the app details. Just be honest about what you will be using the Twitter data for, i.e. research/taking part in a machine learning hackathon in which you analyse the sentiment of COVID-19-related tweets.

If you then go to your Apps page (<https://developer.twitter.com/en/apps>) you will see the app you created. Select "Details" of the App you created and go to the "Keys and tokens" tab. Your consumer API keys will be listed here. Lastly, you will then generate your access token and access token secret. Please note that you do not require the "Bearer Token" for the purpose of the tutorials.