

## Conta developer no Twitter

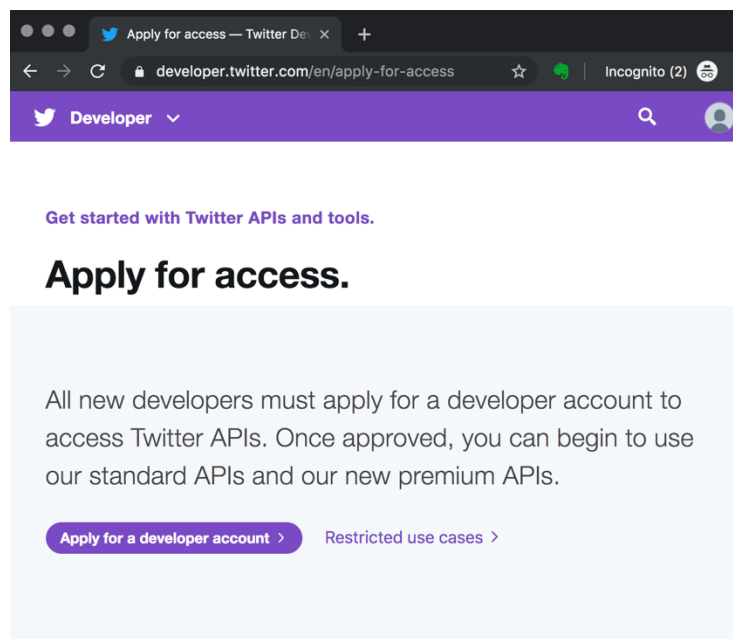
Este documento detalha os passos para se criar uma conta de desenvolvedor, um app cadastrado e obter API Keys e Tokens que serão necessários para fazer o Projeto 2.

### Conta no Twitter

Primeiramente, crie uma conta no *Twitter*. Depois siga os passos a seguir para criar uma conta *Developer*.

### Conta developer

Depois, peça para ter acesso de desenvolvedor ao Twitter, o que pode ser feito na URL abaixo: <https://developer.twitter.com/en/apply-for-access> e clicando na opção *Apply for a Developer Account*



*Figura 1 - requisitando acesso developer*

## Versão Student

Em seguida, informe ao Twitter que você é um estudante e que vai usar a conta para fazer um projeto de curso, marcando a versão *Student*

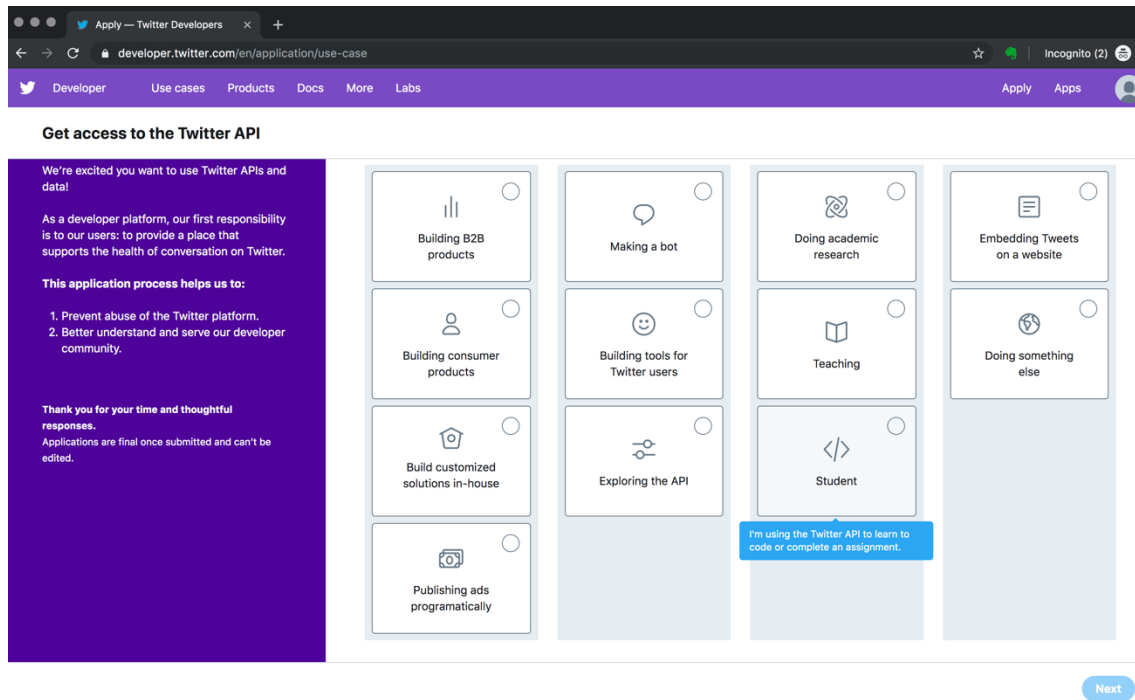


Figura 2 - Opção conta Student

## Confirmação de dados e telefone

Uma conta desenvolvedor vai exigir um número de telefone válido. Se você ainda não associou sua conta a um telefone, vai precisar fazê-lo agora.

The screenshot shows the Twitter Developer API application setup page. The browser address bar displays `developer.twitter.com/en/application/login?useCase=13`. The page title is "Get access to the Twitter API". The navigation bar includes links for "Developer", "Use cases", "Products", "Docs", "More", "Labs", "Apply", and "Apps". The main content area is divided into two columns. The left column, titled "Individual developer account", explains that the user is signing up for an individual developer account and lists typical users: Students, Individual researchers, Hobbyists, Bot creators, and Makers. It also provides a link to "create a team developer account" if the user needs to invite others. The right column shows the verification step for the phone number. It displays the username "fabio\_0001" and the email "fmiranda+twitterdev@gmail.com". A red message states: "The phone number associated with this Twitter @username is not verified. You must add a valid phone number and verify it prior to applying for developer access." Below this message is a blue button labeled "Add a valid phone number". At the bottom right of the page are "Back" and "Next" buttons.

Apply — Twitter Developers

developer.twitter.com/en/application/login?useCase=13

Developer Use cases Products Docs More Labs Apply Apps

### Get access to the Twitter API

Twitter @username > Intended use > Review > Terms


#### Individual developer account

You are signing up for an individual developer account.

These are typically used for:

- Students
- Individual researchers
- Hobbyists
- Bot creators
- Makers

If you think you may need to invite other people to your account in the future to share API access or apps, please [create a team developer account](#) instead.



**fabio\_0001**  
@0001Fabio  
[Switch @username](#)  
[Create new @username](#)

This @username will be the login for your developer account.

The phone number associated with this Twitter @username is not verified. You must add a valid phone number and verify it prior to applying for developer access.

[Add a valid phone number](#)

**Individual developer account**  
[Switch to a team developer account](#)

You are signing up for an individual developer account. ⓘ

**fmiranda+twitterdev@gmail.com**  
[Change email address](#)

We'll send important communications about your account to this email. ⓘ

[Back](#) [Next](#)

Depois de inserir seu número de telefone, deverá receber uma mensagem de confirmação via SMS contendo um código.

## Questionário de intenções

O Twitter vai querer saber o que você vai querer fazer com seu aplicativo. Escolha um nome para seu perfil de desenvolvedor (não precisa ser seu username).

The screenshot shows the 'Intended use' step of the Twitter Developer application process. The browser address bar shows 'developer.twitter.com/en/application/login?useCase=13'. The page has a purple header with navigation links: Developer, Use cases, Products, Docs, More, Labs, Apply, and Apps. The main heading is 'Get access to the Twitter API'. Below it is a breadcrumb trail: Twitter @username > Intended use > Review > Terms. The left sidebar is a solid purple rectangle. The main content area is white and contains the following fields:

- Email: fmiranda+twitterdev@gmail.com (with a 'Change email address' link) and a note: 'We'll send important communications about your account to this email.'
- Country: Brazil (selected in a dropdown menu).
- Nickname: datascience\_fabio (in a text input field).
- Updates: A checkbox labeled 'Send me product updates & occasional promotional emails about the Twitter API.' is checked.
- Footer text: 'We are constantly working to improve our products and experiences. You may receive occasional emails from our team requesting feedback on your experience.'

At the bottom right are 'Back' and 'Next' buttons.

Em seguida vamos fornecer detalhes sobre como pretendemos usar a Twitter API. Veja os detalhes a seguir.

The screenshot shows the 'Intended use' step of the Twitter Developer application process, continuing from the previous step. The browser address bar shows 'developer.twitter.com/en/application/intent'. The page has the same purple header and navigation links. The main heading is 'Get access to the Twitter API'. Below it is a breadcrumb trail: Twitter @username > Intended use > Review > Terms. The left sidebar is a solid purple rectangle. The main content area is white and contains the following fields:

- Header: 'Please describe how you will analyze Twitter data including any analysis of Tweets or Twitter users.'
- Description text area: Contains the text 'Apple' and 'Unhappy with Apple'. Below it, a note says 'Using the tweets I classified, I'll be able to then classify new tweets instantly given the conditional probabilities of the words they contain based on the two categories I described above'. A green checkmark is visible at the end of the text.
- Character count: 'Response must be at least 100 characters'.
- Functionality questions: Three questions with toggle switches set to 'No':
  - 'Will your app use Tweet, Retweet, like, follow, or Direct Message functionality?'
  - 'Do you plan to display Tweets or aggregate data about Twitter content outside of Twitter?'
  - 'Will your product, service or analysis make Twitter content or derived information available to a government entity?'

At the bottom right are 'Back' and 'Next' buttons.

## How you plan to use

Insira uma descrição esclarecendo suas intenções benígnas. Se estiver sem ideias, use a que sugerimos a seguir:

I need to complete a data science homework assignment about bayesian sentiment classification of tweets.

I need the key to download a few tweets about some topics of my choice.

## Describe how you will analyze

Explique o tipo de análise que fará. Sinta-se à vontade para usar o texto fornecido:

This is a coursework about sentiment classification.

First I'll choose a product or brand, for instance "Apple".

Then I'll download a reasonable amount of tweets using the API Key and the Tweepy Python API.

After those tweets are downloaded, I'll need to classify them by hand into categories, for instance "Happy with Apple" and "Unhappy with Apple"

Using the tweets I classified, I'll be able to then classify new tweets instantly given the conditional probabilities of the words they contain based on the two categories I described above

## Will your app use Tweet, Retweet, follow or DM?

O quanto mais *neutro* seu aplicativo for, e o quanto menos provável de ele interagir com pessoas reais, mais rápida se dará a liberação de sua conta *dev* pelo Twitter:

No

## Do you plan to display tweets or aggregate data about tweet content outside of twitter?

Nosso uso vai ser privado. A melhor resposta é

No

## Will your product, service or analysis make twitter content or derived information available to a government entity?

Nós não pretendemos fazer monitoramento para nenhum governo. Então *no*

No

Após fornecer estas informações, confirme:

The screenshot shows the 'Review' step of the Twitter Developer application process. The page title is 'Get access to the Twitter API'. The breadcrumb trail is 'Twitter @username > Intended use > Review > Terms'. The left sidebar is a solid purple bar. The main content area is a table with two columns: 'In your words' and 'Analyze Twitter data'. The 'In your words' section contains a text input field with the following text: 'I need to complete a data science homework assignment about bayesian sentiment classification of tweets. I need the key to download a few tweets about some topics of my choice. More info here: https://github.com/raulikedda/Naive-Bayes/blob/master/Projeto02.ipynb'. The 'Analyze Twitter data' section contains a 'Yes' button. Below this, there are three rows of checkboxes: 'Tweet, Retweet or Like?' (No), 'Show Tweets or Twitter information off Twitter' (No), and 'Providing Tweets or Twitter information to government entities' (No). At the bottom right, there are two buttons: 'Back' and 'Looks good!'.

|   |  |
|---|--|
| <b>In your words</b>  | I need to complete a data science homework assignment about bayesian sentiment classification of tweets. I need the key to download a few tweets about some topics of my choice. More info here: <a href="https://github.com/raulikedda/Naive-Bayes/blob/master/Projeto02.ipynb">https://github.com/raulikedda/Naive-Bayes/blob/master/Projeto02.ipynb</a> |
| <b>Analyze Twitter data</b>   | <b>Yes</b>   |
| <b>Tweet, Retweet or Like?</b>  | No   |
| <b>Show Tweets or Twitter information off Twitter</b>                 | No   |
| <b>Providing Tweets or Twitter information to government entities</b> | No   |

[Back](#) [Looks good!](#)

Depois você precisa encontrar o e-mail de confirmação que foi enviado a você.

The screenshot shows the 'Verification' step of the Twitter Developer application process. The page title is 'Confirm Email — Twitter Developer'. The breadcrumb trail is 'Developer > Use cases > Products > Docs > More > Labs > Apps > datascience\_fabio'. The main content area is a purple box with a white background. It features a 'You did it!!' message with a confetti icon. Below this, it says 'Thank you for applying for access to a Twitter Developer Account.' followed by 'Please confirm your email.' and 'Once confirmed, we can process and review your application.' A paragraph follows: 'We sent an email to [fmiranda+twitterdev@gmail.com](mailto:fmiranda+twitterdev@gmail.com). Please check your email and click the confirmation link to complete the application process. If you don't see it, please be sure to check your spam folder and whitelist [developer-accounts@twitter.com](mailto:developer-accounts@twitter.com). You can also [resend the confirmation email](#).' Below this, it says 'Keep an eye on your email as we may send you...' followed by a list of bullet points: 'Questions related to your application', 'Usage information', and 'Product updates (for paid products)'.

**You did it!!**

Thank you for applying for access to a Twitter Developer Account.

**Please confirm your email.**

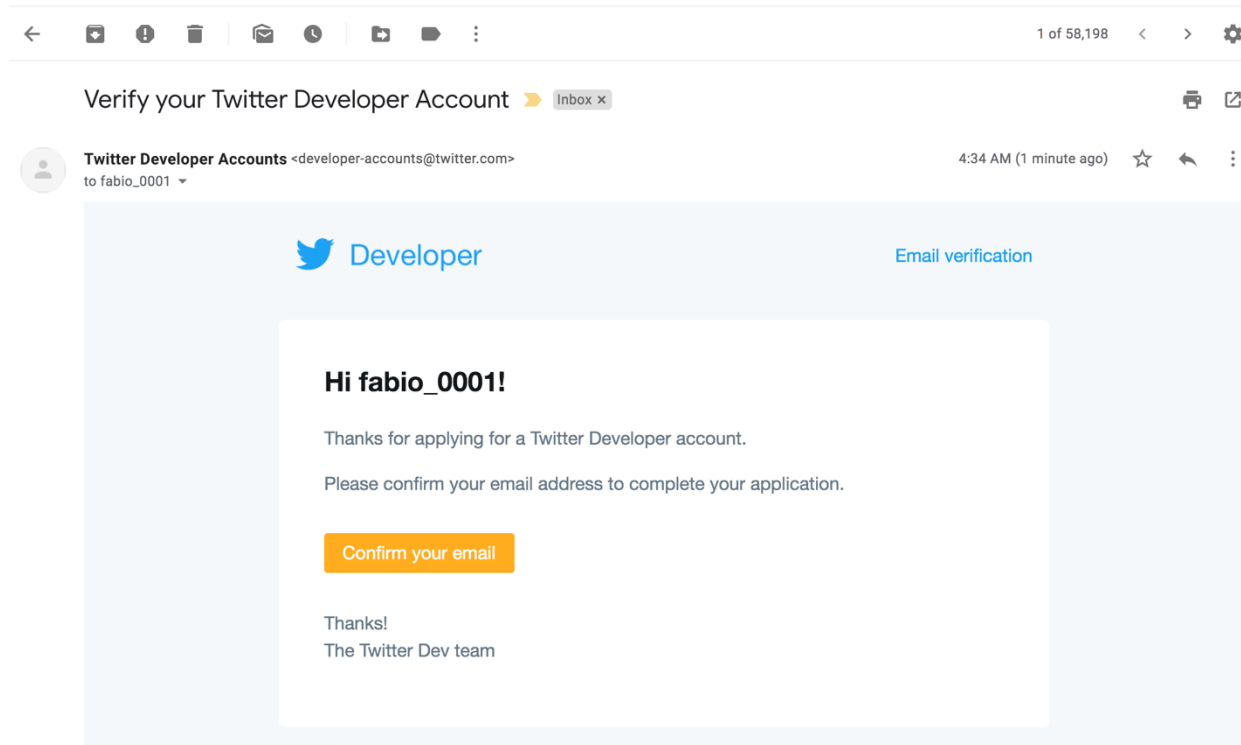
Once confirmed, we can process and review your application.

We sent an email to [fmiranda+twitterdev@gmail.com](mailto:fmiranda+twitterdev@gmail.com). Please check your email and click the confirmation link to complete the application process. If you don't see it, please be sure to check your spam folder and whitelist [developer-accounts@twitter.com](mailto:developer-accounts@twitter.com). You can also [resend the confirmation email](#).

**Keep an eye on your email as we may send you...**

- Questions related to your application
- Usage information
- Product updates (for paid products)

Procure em sua caixa postal uma mensagem parecida com a abaixo e clique *Confirm Your Email*:



## Após confirmar sua conta de desenvolvedor, crie um app

Inicie visitando a URL: <https://developer.twitter.com/en/apps> e selecionando a opção *Create an App*.

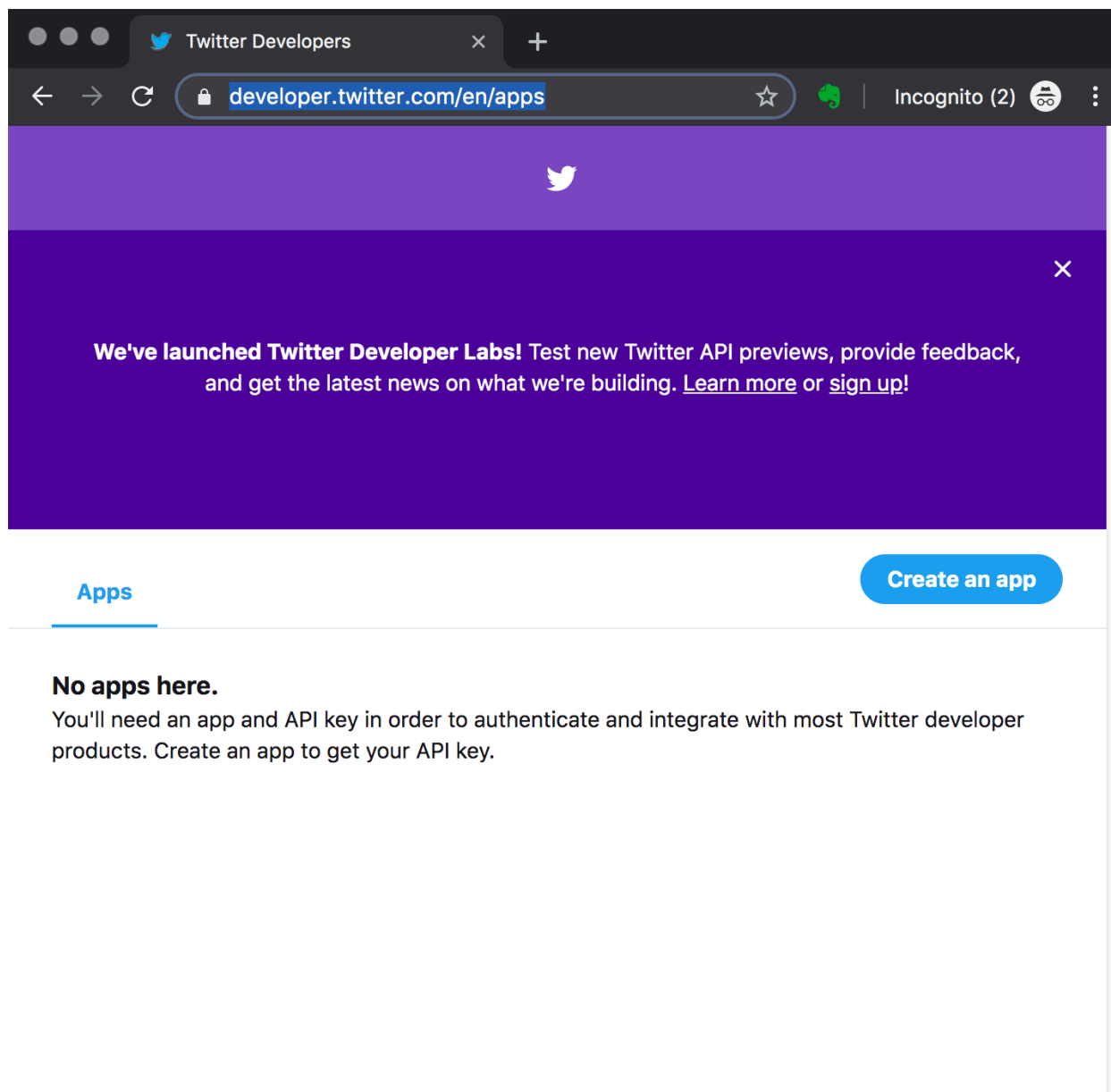


Figura 3 - Tela de criação do App



Você vai precisar preencher alguns campos:

**App name:**

Escolher o que quiser

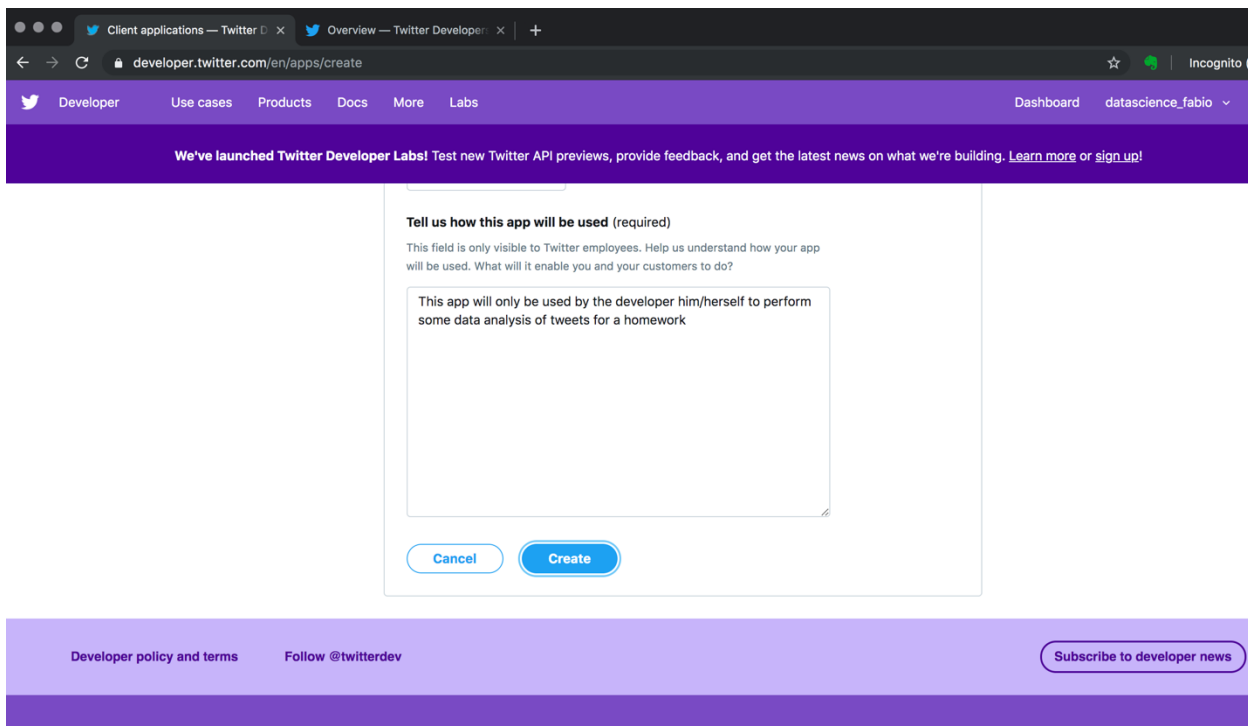
**Application description:**

Downloads tweets related to a specific subject so that we can run an off-site bayesian sentiment analysis classification o que quiser

**Website URL:** Se tiver um domínio seu, fique à vontade para usar. Senão pode usar o da escola

<https://www.insper.edu.br>

**Enable Sign in:** **deixar vazio**



Client applications — Twitter D × Overview — Twitter Developer × | +

developer.twitter.com/en/apps/create

Developer Use cases Products Docs More Labs Dashboard datascience\_fabio

We've launched Twitter Developer Labs! Test new Twitter API previews, provide feedback, and get the latest news on what we're building. [Learn more](#) or [sign up!](#)

**Tell us how this app will be used (required)**

This field is only visible to Twitter employees. Help us understand how your app will be used. What will it enable you and your customers to do?

This app will only be used by the developer him/herself to perform some data analysis of tweets for a homework

Cancel Create

Developer policy and terms Follow @twitterdev Subscribe to developer news

*Figura 4 - Tela em que indicamos como o app vai ser usado*

Tell us how this app will be used. Sugerimos algo na linha do texto abaixo:

This app will only be used by the developer him/herself to perform some data analysis of tweets for a homework

## Gerar códigos de acesso

Depois visite a página do seu app em : <https://developer.twitter.com/en/apps>

Gere o *access token* e o *access token secret*

Anote todos os valores e coloque no arquivo `auth.pass`

**JAMAIS** compartilhe estes dados no Github, inclua o `auth.pass` no arquivo `.gitignore`

Pronto! Você deve ser capaz de executar o Jupyter Notebook fornecido