

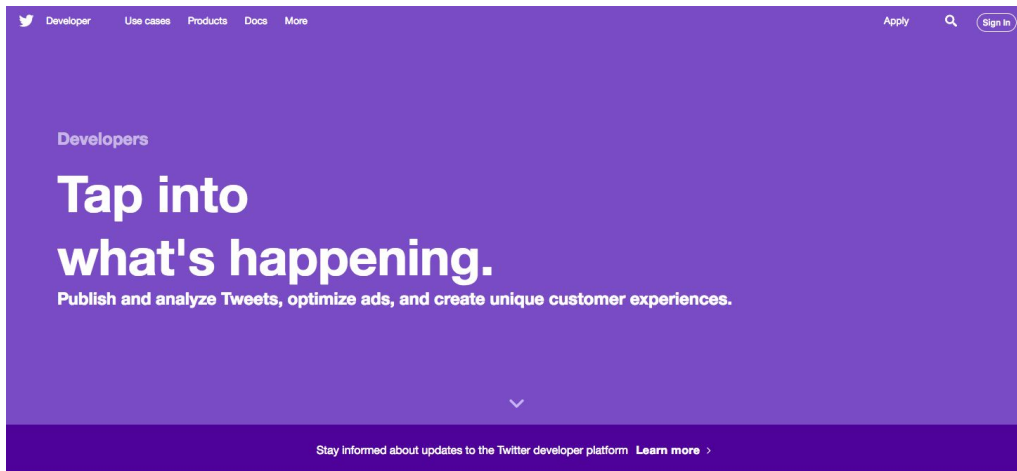


CodeLab II (CCO5000-20)
Creating a Twitter App

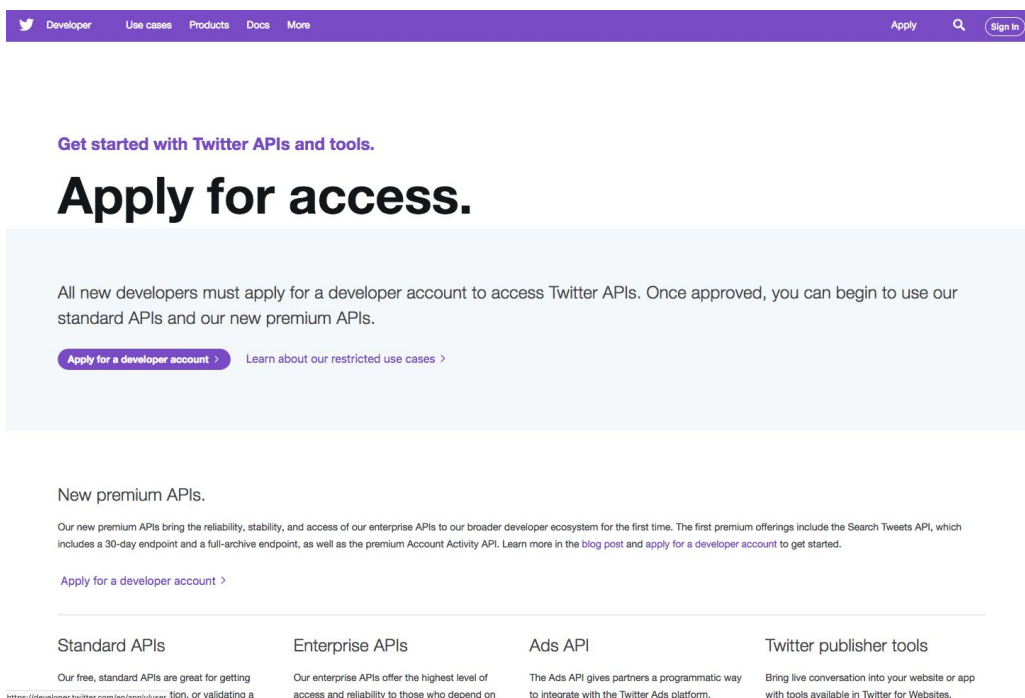
Creative Computing
Writing, Film & Digital Creativity
College of Liberal Arts, Bath Spa University

Creating a Twitter App

1. If you don't already have one sign up for a twitter account at: <https://twitter.com>
2. Go to developer.twitter.com. From here you will need to apply for developer access. Click *apply* on the top navigation bar



3. Click *Apply for a developer account* and login to twitter if asked



- Associate your profile to the developer account. By default this should list the profile you logged in with.

The screenshot shows the 'Apply for developer access' page. At the top is a purple navigation bar with a Twitter logo, 'Developer', 'Use cases', 'Products', 'Docs', 'More', 'Apply', and a user profile picture. Below the bar, the page title 'Apply for developer access' is centered. On the left, a sidebar shows the progress: 'STATUS: IN PROGRESS' with a list of steps: 'User profile' (selected with a green checkmark), 'Account details', 'Use case details', 'Terms of service', and 'Email verification'. The main content area is titled 'Interested in a developer account?' and includes a disclaimer: 'Some of our premium APIs are currently in Beta. By applying, you agree to receive emails from our team requesting feedback on your experience.' Below this is a box titled 'Select a user profile to associate' with explanatory text. It shows the associated profile: 'Associate your current Twitter @username' with a card for 'Jake Hobbs @jake_0606'. A blue 'Continue' button is present, along with links for 'Sign in as a different Twitter @username' and 'Create new Twitter @username'.

- Fill out the account details
 - Select access for *own personal use*
 - Give the account a name (e.g. your twitter username will suffice)
 - Select United Kingdom as country of operation
 - Click *continue*



The screenshot shows the 'Apply for developer access' page at step 5. The purple navigation bar is identical to the previous step. The page title 'Apply for developer access' is centered. The left sidebar shows the progress: 'STATUS: IN PROGRESS' with steps 'User profile', 'Account details' (selected with a green checkmark), 'Use case details', 'Terms of service', and 'Email verification'. Below the sidebar is a box titled 'Why the questions?' with explanatory text. The main content area is titled 'Add your account details'. It starts with the question 'Who are you requesting access for?' and two radio button options. The first option, 'I am requesting access for my organization', is unselected. The second option, 'I am requesting access for my own personal use', is selected with a blue dot. Below the options is a section 'Tell us about yourself' with a label 'Account name' and a text input field containing 'jake_0606'. Below that is a label 'Primary country of operation' with a dropdown menu showing 'United Kingdom'. A blue 'Continue' button is at the bottom.

6. Fill out use case details

- Select *Student project*
- Give a description of the project. This must be over 300 words. You may copy and paste the below:


Will be making use of the Twitter API for a University student assignments. The task is to make use of the Twitter API to develop an application that can interrogate tweets and return live twitter data back to the user. The task involves C++ programming while working with APIs to expedite the process.


- Submit the details


 Developer Use cases Products Docs More Apply 


Apply for developer access


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](#).

Tell us about your project

What use case(s) are you interested in?
Select all that apply

☐ Academic research

☐ Publish and curate Tweets

☐ Advertising

☒ Student project / Learning to code

☐ Audience analysis

☐ Topic analysis

☐ Chatbots and automation

☐ Trend and event detection

☐ Consumer / end-user experience

☐ Other

☐ Engagement and customer service

Describe in your own words what you are building



In English, please describe your product - the more detailed the response, the easier it is to review and approve. Be sure to answer the following:

- What is the purpose of your product or service?
- What will you deliver to your users/customers?
- How do you intend to analyze Tweets, Twitter users, or their content?
- How is Twitter data displayed to users of your end product or service (e.g. will Tweets and content be displayed at row level or in aggregate)?

Will be making use of the Twitter API for a University student assignments. The task is to make use of the Twitter API to develop an application that can interrogate tweets and return live twitter data back to the user. The task involves C++ programming while working with APIs to expedite the process.

7. Agree to the terms of service

- You need to scroll down to the bottom of the terms and conditions window to be able to tick the agree checkbox

 Developer Use cases Products Docs More Apply 

Apply for developer access

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

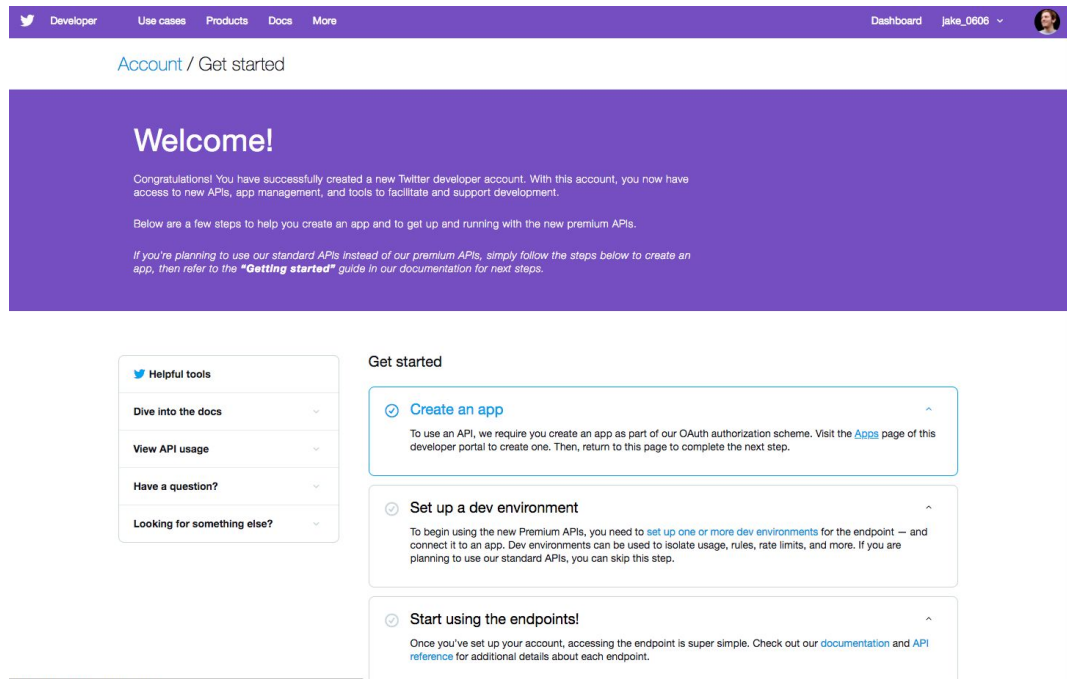
A. Definitions

- 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.
- Broadcast ID** - A unique identification number generated for each Periscope Broadcast.
- Developer Site** - Twitter's developer site located at <https://developer.twitter.com>.
- End Users** - Users of your Services.
- Licensed Material** - A collective term for the Twitter API and Twitter Content.
- Periscope Broadcast** - A live or on-demand video stream that is publicly displayed on Twitter Services and is generated by a user via Twitter's Periscope Producer feature (as set forth at <https://help.periscope.tv/customer/portal/articles/2600293>).
- Services** - Your websites, applications and other offerings that display Twitter Content or otherwise use the Licensed Material as approved by Twitter through any onboarding process.
- Tweet ID** - A unique identification number generated for each Tweet.
- Tweet** - A short-form text and/or multimedia-based posting made on Twitter Services.

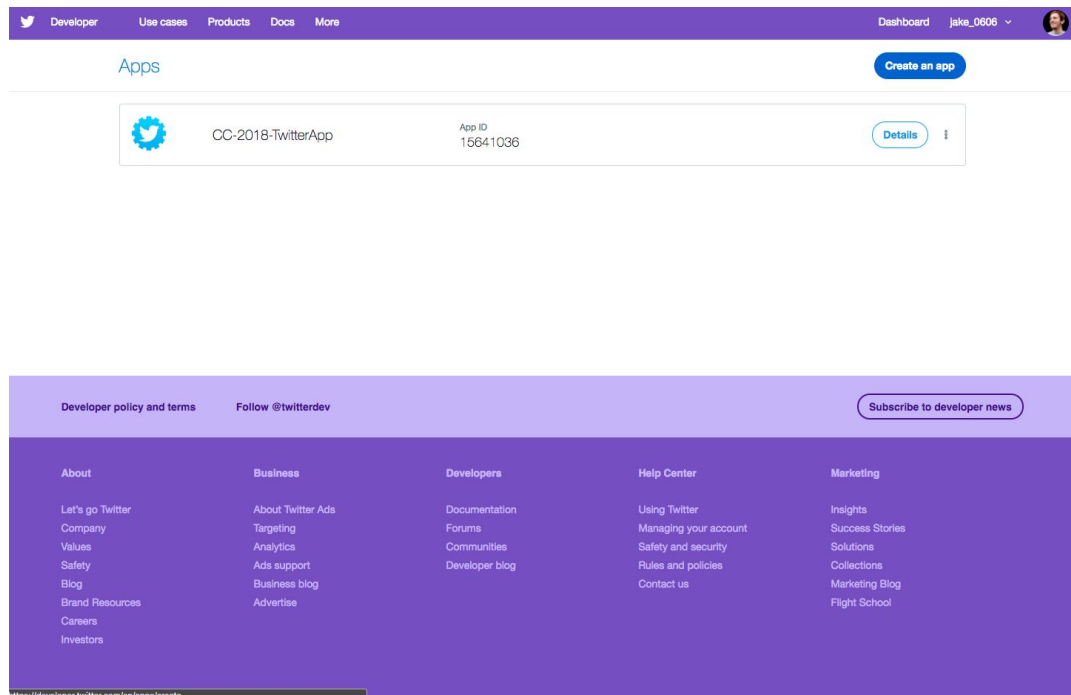
☐ By clicking on the box, You indicate that you have read and agree to this Developer Agreement and the Twitter Developer Policy, additionally as its relates to your display of any of the Content, the [Display Requirements](#); as it

- ## 8. You will now be presented with a screen asking you to verify your email. Click the link in the verification email to complete the application process.

9. Now you have a developer account you are ready to setup an app with API access. Click the *Apps* page link in the create an app page, or go direct to the following link: <https://developer.twitter.com/en/apps>



10. Click the create an app button (this page may look slightly different if you do not have any existing apps associated with your account)



11. Fill out the application details.

- *Name* - This must be unique something e.g:
CC-2018-DataDrivenApp-YourInitials
- *Description* - Something simple is ok here e.g:

Student assignment project - making an application that integrates with the live twitter service to allow the user to search twitter data

- *Website* - You can just add a temporary url here, e.g:
<https://example.com>
- *Callback URLs / Terms of Service URL / Privacy Policy URL / Organization name / Organisation website URL* - Can be left blank
- Tell us how this app will be used - Something simple is ok here: e.g.

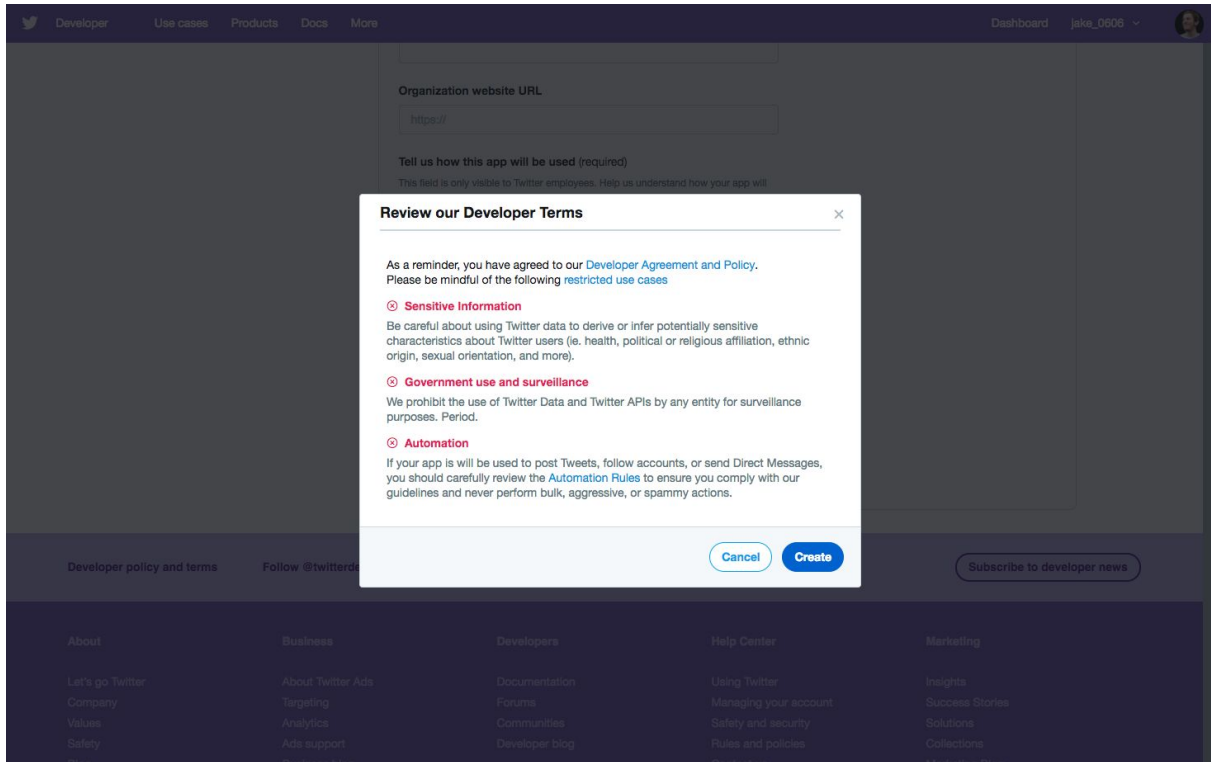
App will be used for a university assignment project and will allow user to view tweets based on a set of search queries.

- Submit the details form

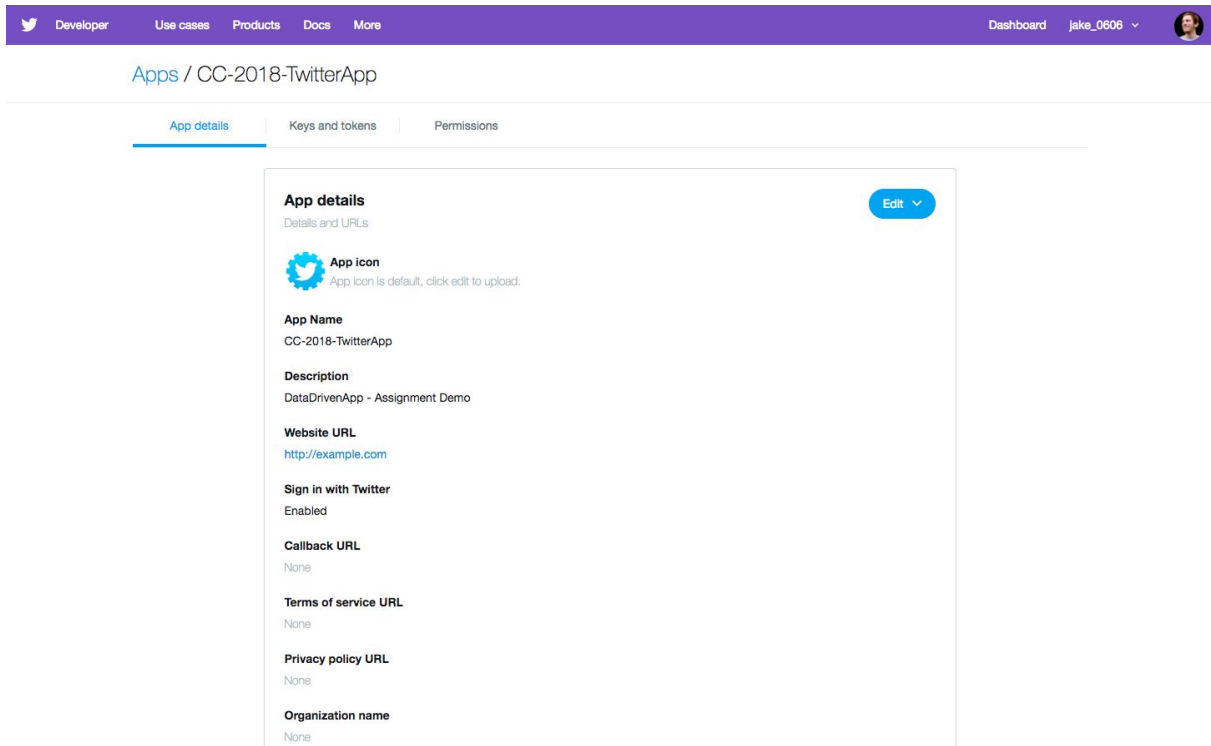
The screenshot shows the 'Create an app' page on the Twitter Developer Portal. The page has a purple header with navigation links: Developer, Use cases, Products, Docs, More, Dashboard, and a user profile for 'jake_0606'. The main content area is titled 'Apps / Create an app'. On the left, there is a sidebar with links: 'Understanding apps', 'What is an app?', 'Why register an app?', and 'Which products require an API key?'. The main form area is titled 'App details' and contains the following fields:

- App name (required):** A text input field containing 'CC-2018-JH-DataDriven'. A note indicates 'Maximum characters: 32'.
- Application description (required):** A text area containing the text 'Student assignment project - making an application that integrates with the live twitter service to allow the user to search twitter data'. A note indicates 'Between 10 and 200 characters'.
- Website URL (required):** A text input field containing 'https://example.com'.
- Allow this application to be used to sign in with Twitter:** A checkbox labeled 'Enable Sign in with Twitter' which is currently unchecked. A link 'Learn more' is provided.

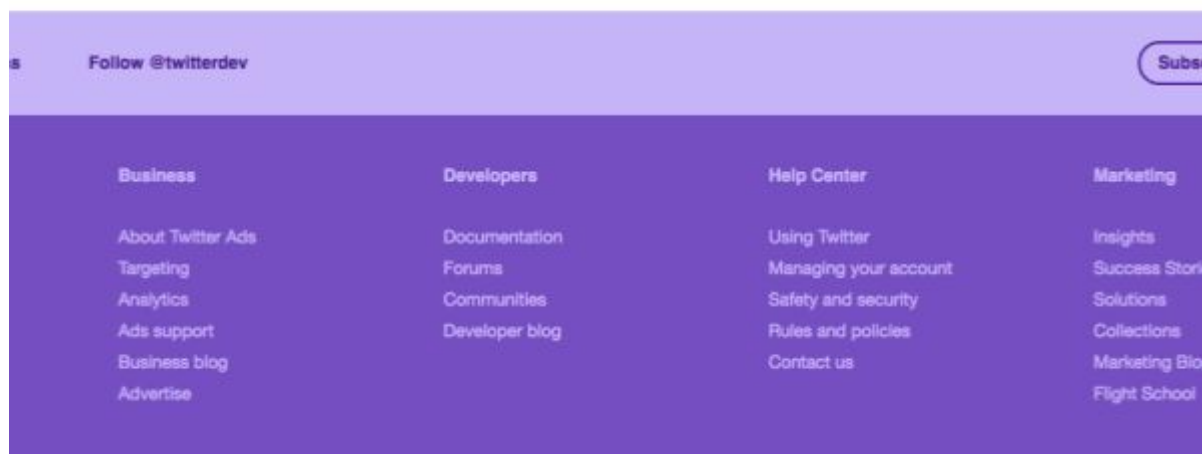
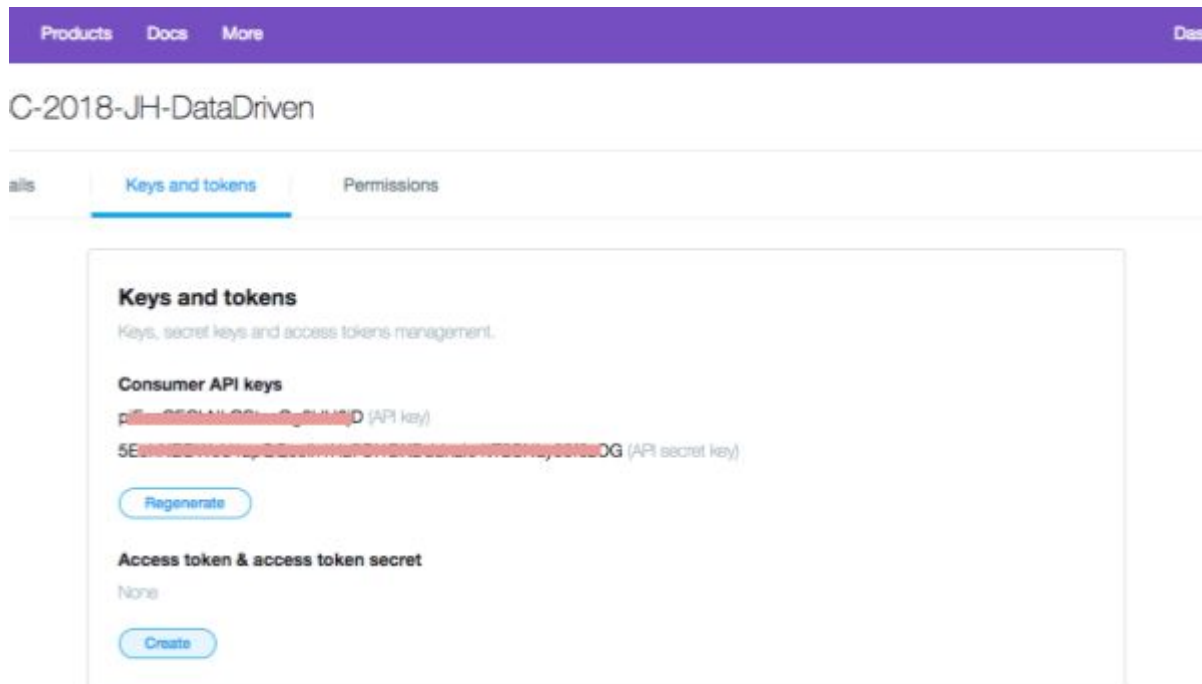
12. You should now see a screen like the below. Click create



13. Your app has been created and you should see a screen listing the details. Click the *Keys and Tokens* tab.



14. The *Keys and Access Tokens* screen will look similar to the below. Your *Consumer Key* and *Consumer Secret* codes will already be generated (mine have been covered for security reasons). You also need to create access tokens. To do so simply click the “*Create*” button at the bottom of the screen.



15. Your access tokens will now also be listed at the bottom of the screen. These keys can now be used in your Data Driven Applications credentials file. See the *Generating Data Driven App Project* guide for more information.

