

Setting Up a Twitter App

Exercise 1: Getting a Twitter Account

We will be taking a conventional Twitter account and turning it into a web app that will live stream incoming tweets from around the world. To do this, you must first have a Twitter account. **If you already have a Twitter account, skip to Exercise 2.**

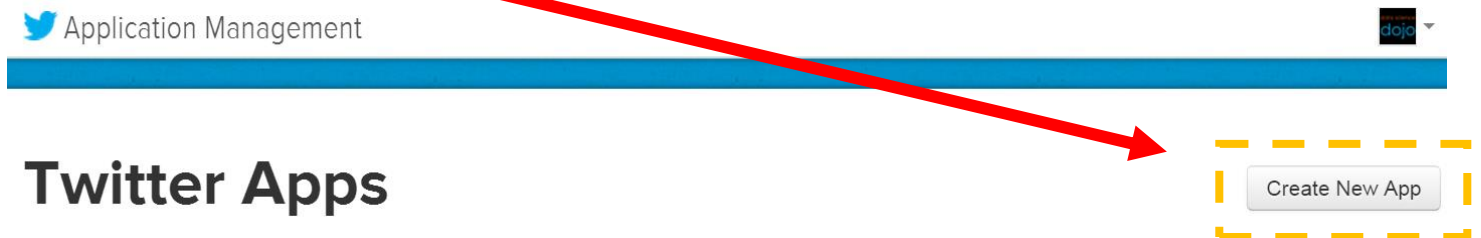
1. Go to <http://twitter.com> and find the sign up box, or go directly to <https://twitter.com/signup>
2. Enter your **full name**, **email address**, and a **password**
3. Click "**Sign up for Twitter**"
4. On the next page, you can select a **username** (usernames are unique identifiers on Twitter) — type your own or choose one Twitter suggests. Twitter will tell you if the username you want is available.
5. **Double-check** your name, email address, password, and username.
6. Click "**Create my account**"
7. Twitter will send a **confirmation email** to the email address you entered. Click the link in that email to confirm your email address and account.
8. You will need to add your phone number to the account under settings in order to receive a Twitter app from Twitter. Twitter will send you a confirmation text to the phone number via text messaging. Please read this tutorial on how to add a mobile phone number to your account:
<https://support.twitter.com/articles/110250-adding-your-mobile-number-to-your-account-via-web>

Exercise 2: Converting Twitter into a Streaming App

The Twitter Streaming APIs use [OAuth](#) to authorize requests. The first step to use OAuth is to create a new application on the Twitter Developer site. Make sure you have a mobile phone number synced to your twitter account or else you will not be provisioned a stream app from Twitter.

How to: <https://support.twitter.com/articles/110250-adding-your-mobile-number-to-your-account-via-web>

1. Sign in to <https://apps.twitter.com/>
2. Click **Create New App**.



3. Enter **Name, Description, Website**.
 - a) The Website field is not really used. It does not have to be a valid URL. Make sure it starts with "http://www" and ends with ".com".
 - b) The description is for your own documentation.
 - c) You may leave the call back URL blank.

Create an application

Application Details

Name *

Your application name. This is used to attribute the source of a tweet and in user-facing authorization screens. 32 characters max.

Description *

Your application description, which will be shown in user-facing authorization screens. Between 10 and 200 characters max.

Website *

Your application's publicly accessible home page, where users can go to download, make use of, or find out more information about your application. This fully-qualified URL is used in the source attribution for tweets created by your application and will be shown in user-facing authorization screens.
(If you don't have a URL yet, just put a placeholder here but remember to change it later.)

Callback URL


Where should we return after successfully authenticating? [OAuth 1.0a](#) applications should explicitly specify their oauth_callback URL on the request token step, regardless of the value given here. To restrict your application from using callbacks, leave this field blank.

4. Within your provisioned Twitter app, click on **“Keys and Access Tokens”**.

Application Management

DojoHDInsightHBaseApp

Details Settings **Keys and Access Tokens** Permissions

 DojoHDInsightHBaseApp
<http://www.dojohdinsighthbaseapp.com>

Organization

Information about the organization or company associated with your application. This information is visible to anyone with access to your application.

Organization	None
Organization website	None

5. Scroll to the bottom and click **“create my access token”** to generate security tokens for your Twitter app.

Details Settings **Keys and Access Tokens** Permissions

Application Settings

Keep the “Consumer Secret” a secret. This key should never be human-readable in your application.

Consumer Key (API Key)	OZdbaWoThZFyT0gK5AYb3Fwr
Consumer Secret (API Secret)	9PhmLKGP5XxMjPFJhT1viji8q4Rf7fuPSSdIlCdVdc1sGGZ3NC
Access Level	Read and write (modify app permissions)
Owner	jazzywilkie
Owner ID	299070693

Application Actions

[Regenerate Consumer Key and Secret](#) [Change App Permissions](#)

Your Access Token


You haven't authorized this application for your own account yet.

By creating your access token here, you will have everything you need to make API calls right away. The access token generated will be assigned your application's current permission level.

Token Actions

[Create my access token](#)

6. Click on "Test OAuth" on the top right-hand corner to get a summarization of your 4 security keys.

Application Management 

DojoHDInsightHBaseApp

[Details](#) [Settings](#) [Keys and Access Tokens](#) [Permissions](#)

[Test OAuth](#)

Application Settings

Keep the "Consumer Secret" a secret. This key should never be human-readable in your application.

Consumer Key (API Key)	JqyH4BF9JozhYgAXYoljbWw8H
Consumer Secret (API Secret)	At0dRtyjqHlvJJtl32nggqwzAiWG25TEVHfe7QsR9LBivs425c
Access Level	Read-only (modify app permissions)

7. Keep this page open, you will need these 4 security keys to create a Twitter stream.

OAuth Tool

OAuth Settings

Consumer key: *



Consumer secret: *



Remember this should not be shared.

Access token:



Access token secret:

