RESTful Web API Design with Node.js

Saleh Hamadeh

Video 2.5

Exploring Twitter's REST API

Packt udemy

In this Video, we are going to take a look at...

- Tweeting
- Searching for tweets
- Accessing cursored collections
- Using Async.js to combine responses

Packt> Udemy

API Console Tool
Public API
Uploading Media
The Search API
The Search API: Tweets by Place
Working with Timelines
API Rate Limits
API Rate Limits: Chart
GET statuses/mentions_timeline
GET statuses/user_timeline
GET statuses/home_timeline
GET statuses/retweets_of_me
GET statuses/retweets/:id
GET statuses/show/:id
POST statuses/destroy/:id
POST statuses/update

REST APIs

The REST APIs provide programmatic access to read and write Twitter data. Author a new Tweet, read author profile and follower data, and more. The REST API identifies Twitter applications and users using OAuth; responses are available in JSON.

If your intention is to monitor or process Tweets in real-time, consider using the Streaming API instead.

Overview

Below are the documents that will help you get going with the REST APIs as quickly as possible

- API Rate Limiting
- API Rate Limits
- Working with Timelines
- Using the Twitter Search API
- Uploading Media
- Multiple Media Entities in Statuses

Packt>

POST statuses/update
POST statuses/retweet/:id
POST statuses/unretweet/:id
POST statuses/update_with_media
GET statuses/oembed
GET statuses/retweeters/ids
GET statuses/lookup
POST media/upload
POST media/upload chunked
GET direct_messages/sent
GET direct_messages/show
GET search/tweets
GET direct_messages
POST direct_messages/destroy
POST direct_messages/new
GET friendships/no_retweets/ids
GET friends/ids
GET followers/ids
GET friendships/incoming

- Multiple Media Entities in Statuses
- Finding Tweets about Places

Latest Updates

As of version 1.1 of the Twitter API, the more recent updates to our API are highlighted below. We're excited about what it means for developers and we've captured all the meaningful changes here so you don't miss a thing.

Default entities and retweets

Where applicable, entities and retweets are returned by default. Entities are returned as part of Tweet objects unless the `include_entities` parameter is set to `false`. Native retweets are included in timelines unless the `include_rts` parameter is set to `false`.

Authentication on all endpoints

We require applications to authenticate all of their requests with OAuth 1.0a or Application-only authentication. This visibility allows us to prevent abusive behavior, and it also helps us to further understand how categories of applications are using the API. We apply this understanding to better meet the needs of developers as we continue to evolve the platform.

Rate Limiting

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GET statuses/mentions_timeline
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GET statuses/home_timeline
GET statuses/retweets_of_me
GET statuses/retweets/:id
GET statuses/show/:id
POST statuses/destroy/:id

POST statuses/update

Updates the authenticating user's current status, also known as Tweeting.

For each update attempt, the update text is compared with the authenticating user's recent Tweets. Any attempt that would result in duplication will be blocked, resulting in a 403 error. Therefore, a user cannot submit the same status twice in a row.

While not rate limited by the API a user is limited in the number of Tweets they can create at a time. If the number of updates posted by the user reaches the current allowed limit this method will return an HTTP 403 error.

About Geo

- Any geo-tagging parameters in the update will be ignored if `geo_enabled` for the user is false (this is the default setting for all users unless the user has enabled geolocation in their settings)
- The number of digits passed the decimal separator passed to `lat`, up to 8, will be tracked so that the `lat` is returned in a status object it will have the same number of digits after the decimal separator.
- Please make sure to use to use a decimal point as the separator (and not the

POST friendships/create
POST friendships/destroy
POST friendships/update
GET friendships/show
GET friends/list
GET followers/list
GET friendships/lookup
GET account/settings
GET account/verify_credentials
POST account/settings
POST account/update_profile
POST account/update_profile_background_image
POST account/update_profile_image
GET blocks/list
GET blocks/ids
POST blocks/create
POST blocks/destroy
GET users/lookup

Resource information

Response formats	JSON
Requires authentication?	Yes (user context only)
Rate limited?	Yes

Parameters

status
required

The text of your status update, typically up to 140 characters. URL encode as necessary. t.co link wrapping may affect character counts.

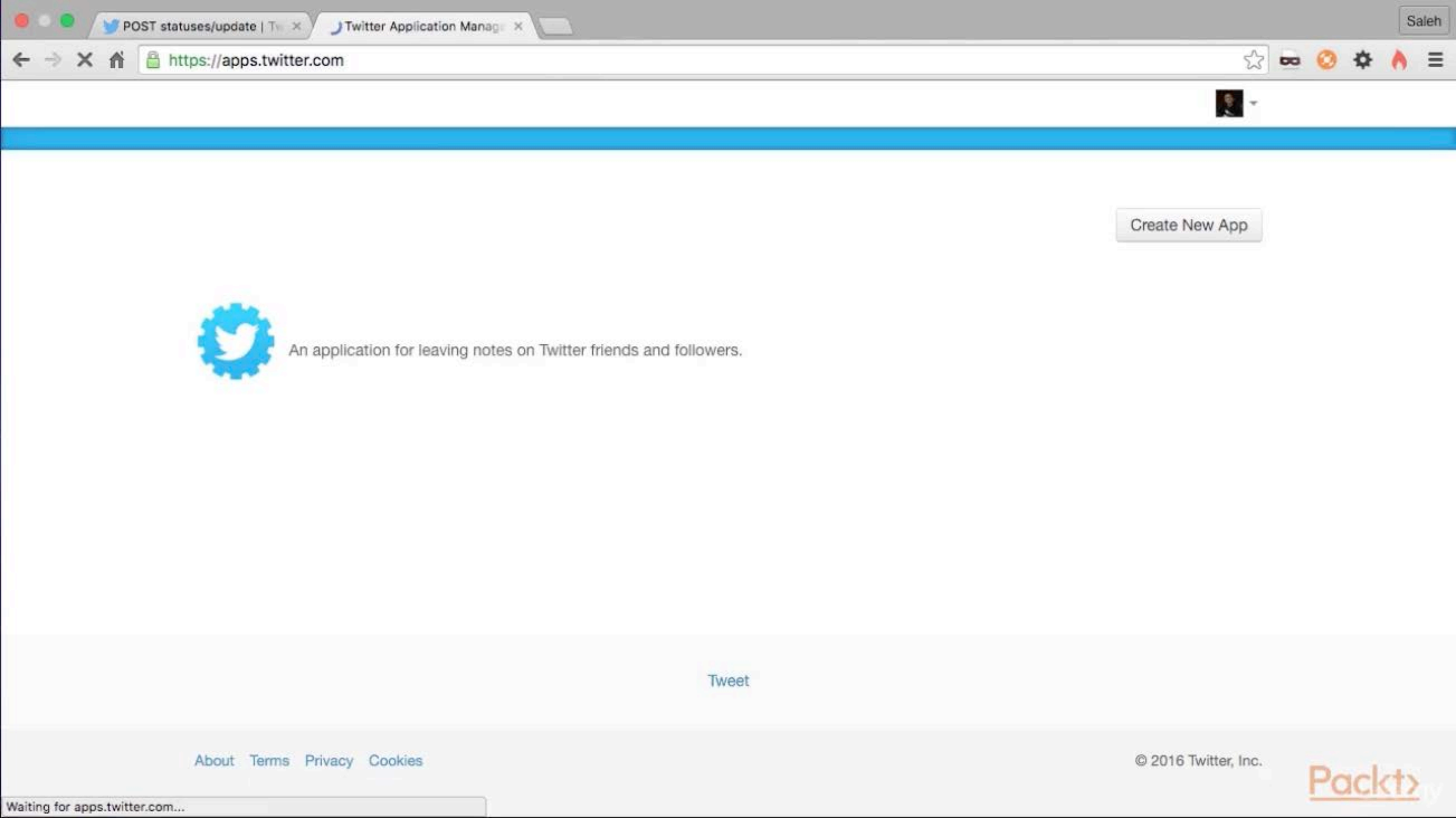
There are some special commands in this field to be aware of. For instance, preceding a message with "D " or "M " and following it with a screen name can create a direct message to that user if the relationship allows for it.

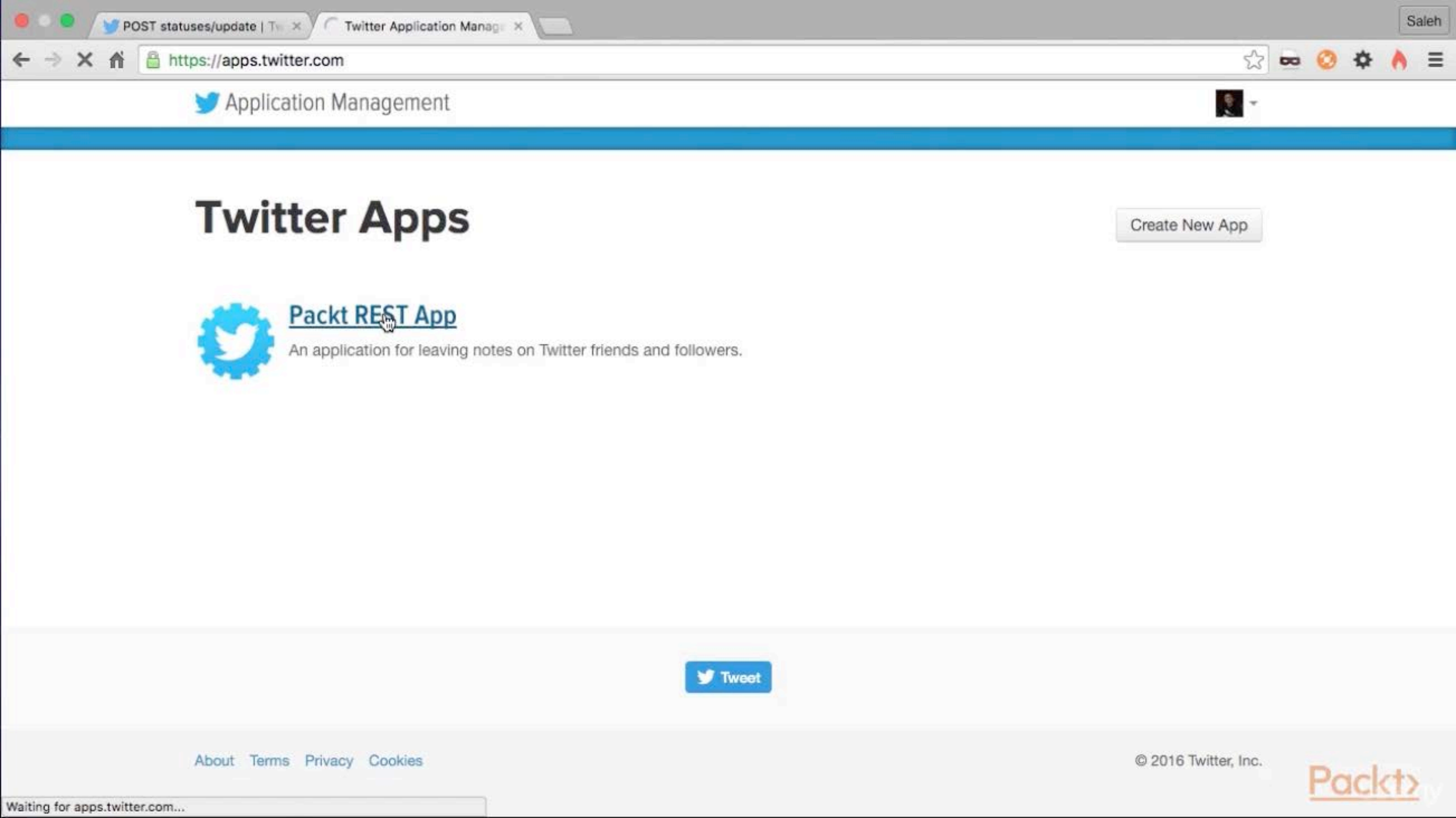
in_reply_to_status_id
optional

The ID of an existing status that the update is in reply to.

Note:: This parameter will be ignored unless the author of the tweet this parameter references is mentioned within the status text. Therefore, you must include `@username`, where `username` is the author of the

Packt>


POST statuses/update | Tw
Twitter Application Manag
Saleh
https://apps.twitter.com
Create New App
An application for leaving notes on Twitter friends and followers.
Tweet
About
Terms
Privacy
Cookies
© 2016 Twitter, Inc.
Packt
Waiting for apps.twitter.com...


POST statuses/update | Tw
Twitter Application Manag
Saleh
https://apps.twitter.com
Application Management
Twitter Apps
Create New App
Packt REST App
An application for leaving notes on Twitter friends and followers.
Tweet
About
Terms
Privacy
Cookies
© 2016 Twitter, Inc.
Packt
Waiting for apps.twitter.com...

POST statuses/update | Tw

Packt REST App | Twitter A

Saleh

https://apps.twitter.com/app/12145711/show

Application Management

Packt REST App

Test OAuth

Details | Settings | Keys and Access Tokens | Permissions

An application for leaving notes on Twitter friends and followers.

http://www.example.com

Organization

Information about the organization or company associated with your application. This information is optional.

Organization	None
Organization website	None

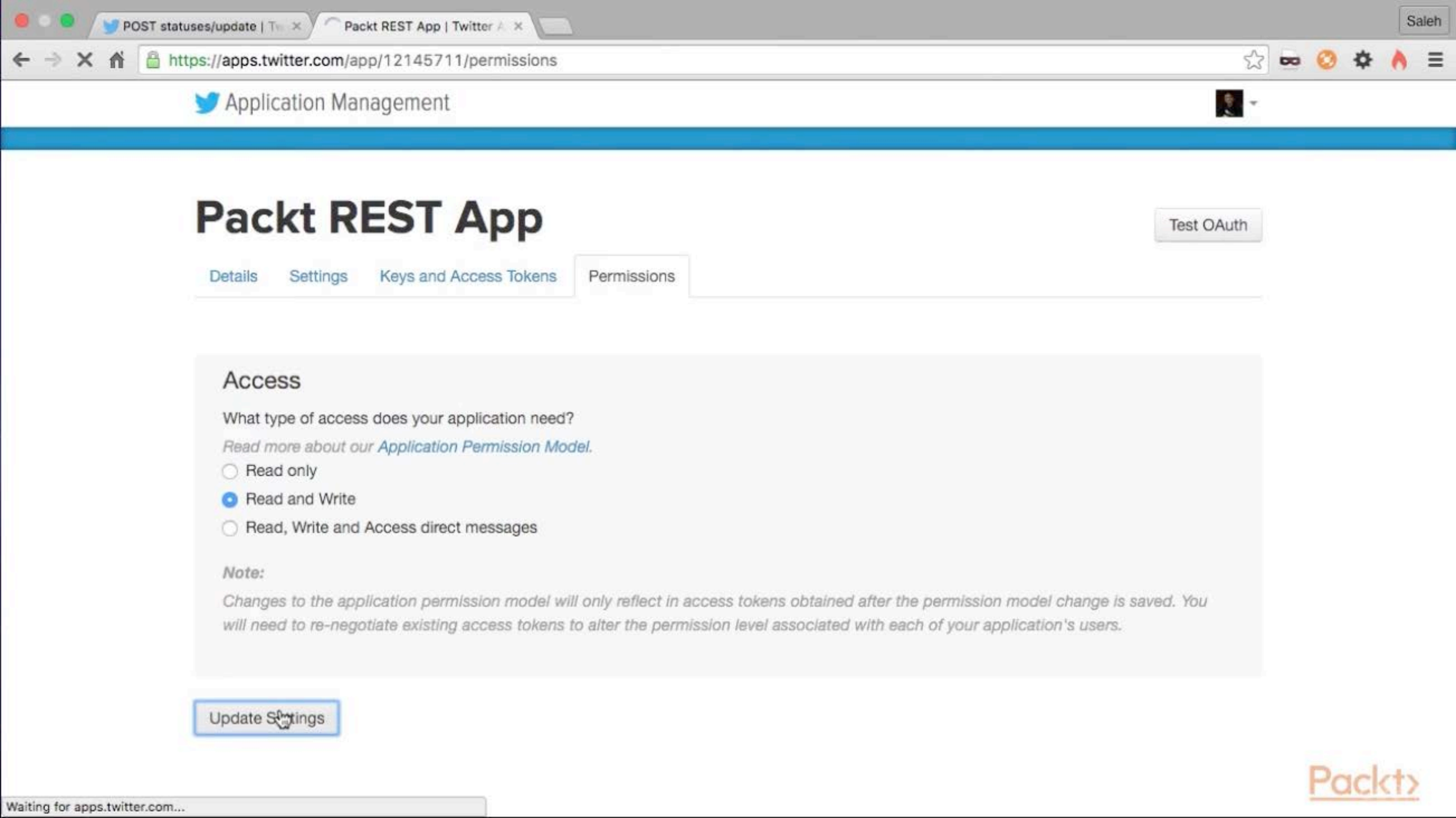
Application Settings

Your application's Consumer Key and Secret are used to authenticate requests to the Twitter Platform.

Access level	Read and write (modify app permissions)
Consumer Key (API Key)	ViFoBDAh5A2cGa9m0X74fi87u (manage keys and access tokens)

https://apps.twitter.com/app/12145711/permissions

Packt>


POST statuses/update | Tw
Packt REST App | Twitter A
Saleh
https://apps.twitter.com/app/12145711/permissions
Application Management
Packt REST App
Test OAuth
Details
Settings
Keys and Access Tokens
Permissions
Access
What type of access does your application need?
Read more about our Application Permission Model.
Read only
Read and Write
Read, Write and Access direct messages
Note:
Changes to the application permission model will only reflect in access tokens obtained after the permission model change is saved. You will need to re-negotiate existing access tokens to alter the permission level associated with each of your application's users.
Update Settings
Waiting for apps.twitter.com...
Packt

FOLDERS

twitter-notes

authenticator.js

config.json

index.js

package.json

index.js | authenticator.js

```
1  var OAuth = require('oauth').OAuth;
2  var config = require('./config');
3
4  // Create the oauth object for accessing Twitter
5  var oauth = new OAuth(
6      config.request_token_url,
7      config.access_token_url,
8      config.consumer_key,
9      config.consumer_secret,
10     config.oauth_version,
11     config.oauth_callback,
12     config.oauth_signature
13 );
14
15 module.exports = {
16     redirectToTwitterLoginPage: function(req, res) {
17         oauth.getOAuthRequestToken(function(error, oauth_token, oauth_token_secret,
18             if (error) {
19                 console.log(error);
20                 res.send("Authentication failed!");
21             } else {
22                 res.cookie('oauth_token', oauth_token, { httpOnly: true });
23                 res.cookie('oauth_token_secret', oauth_token_secret, { httpOnly: tru
24                 res.redirect(config.authorize_url + '?oauth_token='+oauth_token);
25             }
26         });
27     },
28     authenticate: function(req, res, cb) {
```

Packt> udemy

Line 1, Column 1 Tab Size: 4 JavaScript

FOLDERS

- twitter-notes
  - authenticator.js
  - config.json
  - index.js
  - package.json

index.js | authenticator.js

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6      config.request_token_url,
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8      config.consumer_key,
9      config.consumer_secret,
10     config.oauth_version,
11     config.oauth_callback,
12     config.oauth_signature
13 );
14
15 module.exports = {
16     get: function(url, access_token, access_token_secret, cb) {
17         oauth.get.call(oauth, url, access_token, access_token_secret, cb);
18     },
19     post: function(url, access_token, access_token_secret, body, cb) {
20         oauth.post.call(oauth, url, access_token, access_token_secret, body, cb);
21     },
22     redirectToTwitterLoginPage: function(req, res) {
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24             if (error) {
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26                 res.send("Authentication failed!");
27             } else {
28                 res.cookie('oauth_token', oauth_token, { httpOnly: true });
```

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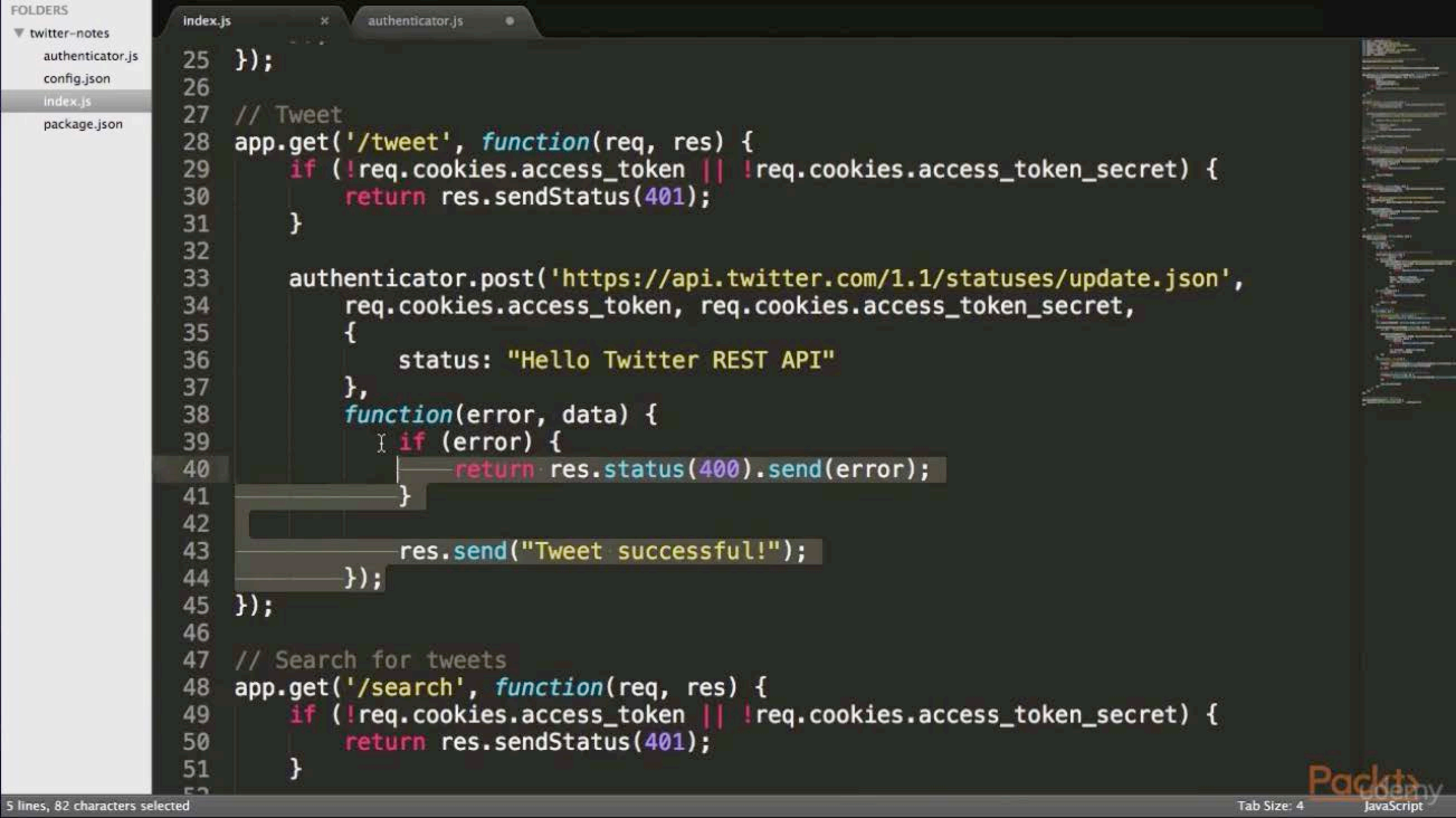
FOLDERS
twitter-notes
authenticator.js
config.json
index.js
package.json
index.js
authenticator.js
});
// Tweet
app.get('/tweet', function(req, res) {
if (!req.cookies.access_token || !req.cookies.access_token_secret) {
return res.sendStatus(401);
}
authenticator.post('https://api.twitter.com/1.1/statuses/update.json',
req.cookies.access_token, req.cookies.access_token_secret,
{
status: "Hello Twitter REST API"
},
function(error, data) {
if (error) {
return res.status(400).send(error);
}
res.send("Tweet successful!");
});
});
// Search for tweets
app.get('/search', function(req, res) {
if (!req.cookies.access_token || !req.cookies.access_token_secret) {
return res.sendStatus(401);
}
5 lines, 82 characters selected
Tab Size: 4
JavaScript

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- twitter-notes
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  - config.json
  - index.js
  - package.json

index.js × | authenticator.js ●

```
25  });
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35          {
36              status: "Hello Twitter REST API"
37          },
38          function(error, data) {
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41              }
42
43              res.send("Tweet successful!");
44          });
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51      }
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Packt> udemy

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index.js × | authenticator.js ●

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50         return res.sendStatus(401);
51     }
```

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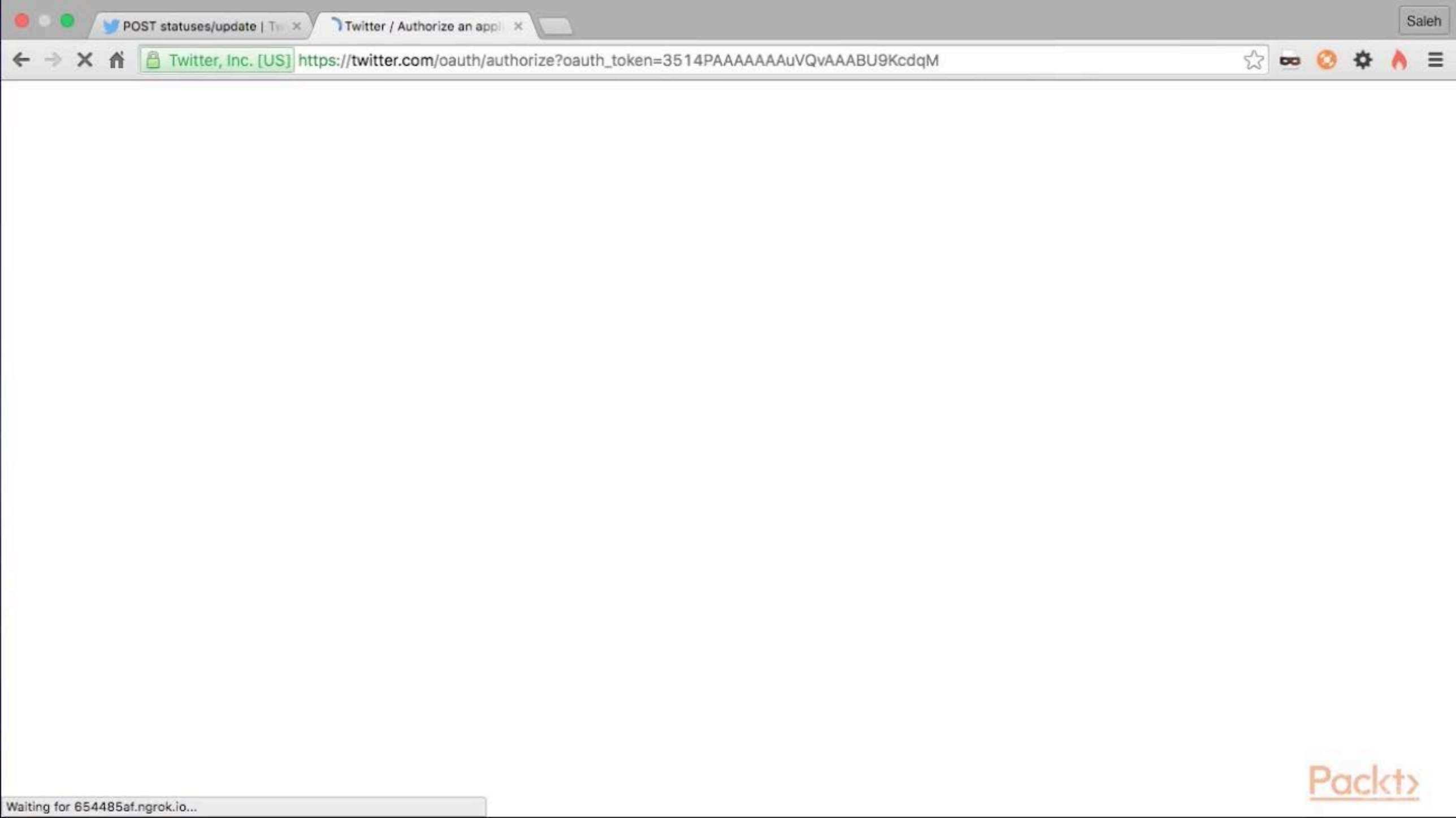
```
Salehs-Macintosh:twitter-notes saleh$ node index.js
Listening on port 8080
```

Packt> Udemy


POST statuses/update | Tw
Twitter / Authorize an appl
Saleh
Twitter, Inc. [US] https://twitter.com/oauth/authorize?oauth_token=3514PAAAAAAAuVQvAAABU9KcdqM
Waiting for 654485af.ngrok.io...
Packt

POST statuses/update | Tw

Twitter / Authorize an appl

Saleh

Twitter, Inc. [US] https://twitter.com/oauth/authorize?oauth_token=3514PAAAAAAAuVQvAAABU9KcdqM

Authorize Packt REST App to use your account?

Authorize app | Cancel

Packt REST App

www.example.com

An application for leaving notes on Twitter friends and followers.

This application will be able to:

- Read Tweets from your timeline.
- See who you follow, and follow new people.
- Update your profile.
- Post Tweets for you.

Will not be able to:

- Access your direct messages.
- See your Twitter password.

You can revoke access to any application at any time from the Applications tab of your Settings page.

By authorizing an application you continue to operate under Twitter's Terms of Service. In particular, some usage information will be shared back with Twitter. For more, see our Privacy Policy.

Packt>

POST statuses/update | Tw

https://twitter.com/oauth/a

Saleh

Twitter, Inc. [US] https://twitter.com/oauth/authorize

Authorize Packt REST App to use your account?

Authorize app | Cancel

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Authentication Successful

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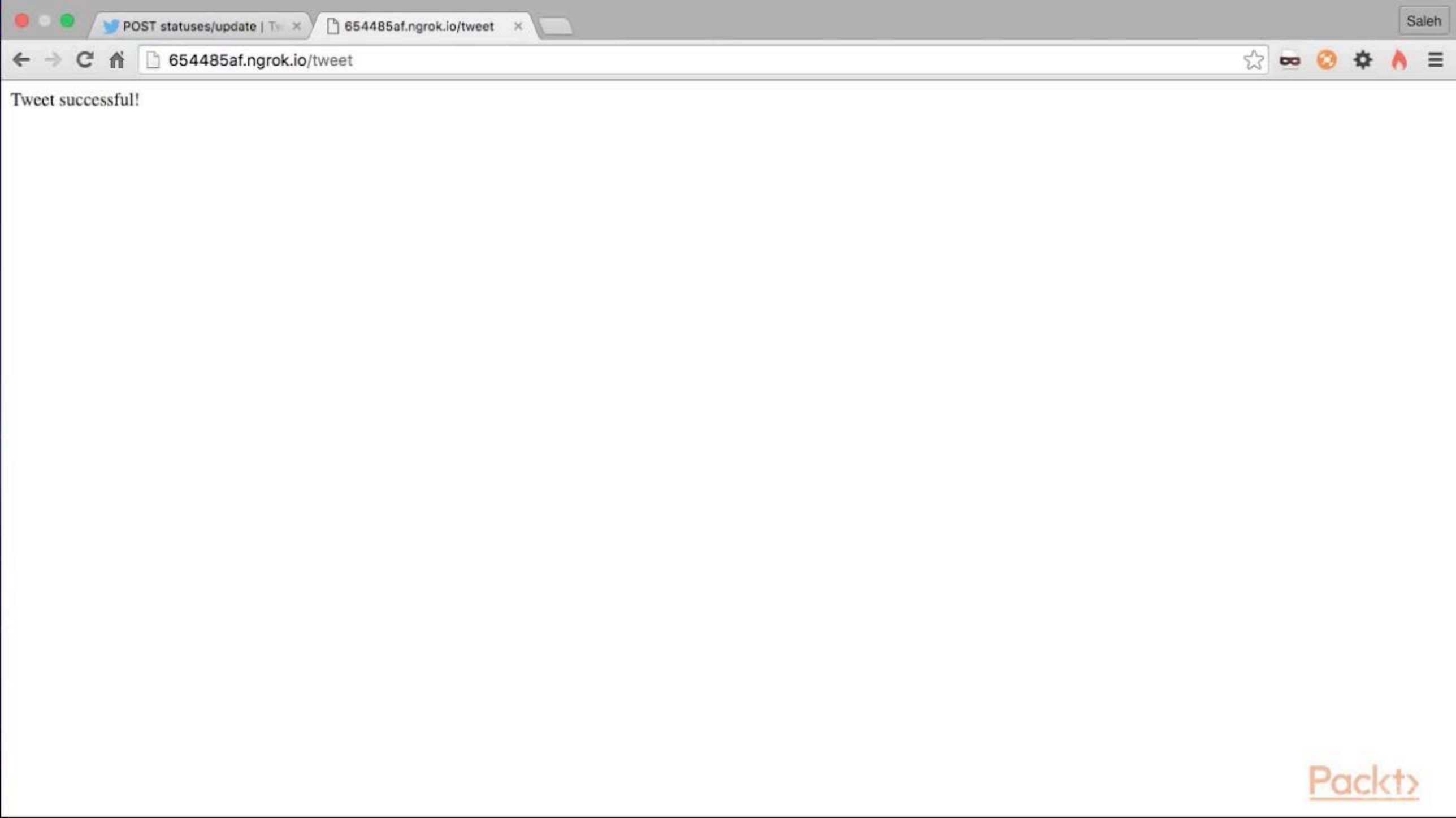
POST statuses/update | Tw
654485af.ngrok.io/tweet
Saleh
654485af.ngrok.io/tweet
Tweet successful!
Packt

POST statuses/update | Tw

654485af.ngrok.io/tweet

Saleh Hamadeh (@salehha

Saleh

Twitter, Inc. [US] https://twitter.com/salehhamadeh

Home Moments 1 Notifications Messages

Search Twitter

Tweet

TWEETS 128 FOLLOWING 123 FOLLOWERS 52 LIKES 39

Edit profile

Saleh Hamadeh

@salehhamadeh

Developer, Hacker, Entrepreneur, Node.JS and Raspberry Pi Enthusiast, Food Lover

Atlanta, GA

shamadeh.com

Joined February 2009

Tweets Tweets & replies Media

Saleh Hamadeh @salehhamadeh · 31s

View translation

Hello Twitter REST API

Saleh Hamadeh @salehhamadeh · 2 Dec 2014

aerofs.com/blog/immigrati… #usa #economy #techissues

View summary

Who to follow · Refresh · View all

Chris Wingo @ChinaSages

Follow Promoted

HousingWire @HousingWire

Follow

RE/MAX @remax

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API Console Tool
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GET statuses/retweets/:id
GET statuses/show/:id
POST statuses/destroy/:id
POST statuses/update

GET search/tweets

Returns a collection of relevant Tweets matching a specified query.

Please note that Twitter's search service and, by extension, the Search API is not meant to be an exhaustive source of Tweets. Not all Tweets will be indexed or made available via the search interface.

In API v1.1, the response format of the Search API has been improved to return Tweet objects more similar to the objects you'll find across the REST API and platform. However, perspectival attributes (fields that pertain to the perspective of the authenticating user) are not currently supported on this endpoint.

To learn how to use Twitter Search effectively, consult our guide to Using the Twitter Search API. See Working with Timelines to learn best practices for navigating results by `since_id` and `max_id`.

Resource URL

`https://api.twitter.com/1.1/search/tweets.json`

Resource Information

Packt>

GET direct_messages/sent
GET direct_messages/show
GET search/tweets
GET direct_messages
POST direct_messages/destroy
POST direct_messages/new
GET friendships/no_retweets/ids
GET friends/ids
GET followers/ids
GET friendships/incoming
GET friendships/outgoing
POST friendships/create
POST friendships/destroy
POST friendships/update
GET friendships/show
GET friends/list
GET followers/list
GET friendships/lookup
GET account/settings
GET account/verify_credentials
POST account/settings

Parameters

q
required

A UTF-8, URL-encoded search query of 500 characters maximum, including operators. Queries may additionally be limited by complexity.

Example Values: `@noradio`

geocode
optional

Returns tweets by users located within a given radius of the given latitude/longitude. The location is preferentially taking from the Geotagging API, but will fall back to their Twitter profile. The parameter value is specified by "`latitude,longitude,radius`", where radius units must be specified as either "`mi`" (miles) or "`km`" (kilometers). Note that you cannot use the near operator via the API to geocode arbitrary locations; however you can use this `geocode` parameter to search near geocodes directly. A maximum of 1,000 distinct "sub-regions" will be considered when using the radius modifier.

Example Values: `37.781157,-122.398720,1mi`

lang
optional

Restricts tweets to the given language, given by an ISO 639-1 code. Language detection is best-effort.

Example Values: `eu`

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API Rate Limits: Chart
GET statuses/mentions_timeline
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Resource URL

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Resource Information

Packt>

GET direct_messages
POST direct_messages/destroy
POST direct_messages/new
GET friendships/no_retweets/ids
GET friends/ids
GET followers/ids
GET friendships/incoming
GET friendships/outgoing
POST friendships/create
POST friendships/destroy
POST friendships/update
GET friendships/show
GET friends/list
GET followers/list
GET friendships/lookup
GET account/settings
GET account/verify_credentials
POST account/settings
POST account/update_profile
POST account/update_profile_background_im

Query operators

The query can have operators that modify its behavior, the available operators are:

Operator	Finds tweets...
watching now	containing both "watching" and "now". This is the default operator.
"happy hour"	containing the exact phrase "happy hour".
love OR hate	containing either "love" or "hate" (or both).
beer -root	containing "beer" but not "root".
#haiku	containing the hashtag "haiku".
from:interior	sent from Twitter account "interior".
list:NASA/astronauts-in-space-now	sent from a Twitter account in the NASA list astronauts-in-space-now
to:NASA	a Tweet authored in reply to Twitter account "NASA".
@NASA	mentioning Twitter account "NASA".
politics filter:safe	containing "politics" with Tweets marked as potentially sensitive removed.
puppy filter:media	containing "puppy" and an image or video.

Packt>

GET direct_messages
POST direct_messages/destroy
POST direct_messages/new
GET friendships/no_retweets/ids
GET friends/ids
GET followers/ids
GET friendships/incoming
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list:NASA/astronauts-in-space-now	sent from a Twitter account in the NASA list astronauts-in-space-now
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Packt>

GET direct_messages
POST direct_messages/destroy
POST direct_messages/new
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GET friends/ids
GET followers/ids
GET friendships/incoming
GET friendships/outgoing
POST friendships/create
POST friendships/destroy
POST friendships/update
GET friendships/show
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#haiku	containing the hashtag "haiku".
from:interior	sent from Twitter account "interior".
list:NASA/astronauts-in-space-now	sent from a Twitter account in the NASA list astronauts-in-space-now
to:NASA	a Tweet authored in reply to Twitter account "NASA".
@NASA	mentioning Twitter account "NASA".
politics filter:safe	containing "politics" with Tweets marked as potentially sensitive removed.
puppy filter:media	containing "puppy" and an image or video.

Packt>

update_profile_image
GET blocks/list
GET blocks/ids
POST blocks/create
POST blocks/destroy
GET users/lookup
GET users/show
GET users/search
POST account/remove_profile_banner
POST account/update_profile_banner
GET users/profile_banner
POST mutes/users/create
POST mutes/users/destroy
GET mutes/users/ids
GET mutes/users/list
GET users/suggestions/:slug
GET users/suggestions
GET users/suggestions/:slug/members
GET favorites/list

puppy filter:periscope	containing “puppy” and a Periscope video URL.
puppy filter:vine	containing “puppy” and a Vine.
puppy filter:images	containing “puppy” and links identified as photos, including third parties such as Instagram.
puppy filter:twimg	containing “puppy” and a `pic.twitter.com` link representing one or more photos.
hilarious filter:links	containing “hilarious” and linking to URL.
superhero since:2015-12-21	containing “superhero” and sent since date “2015-12-21” (year-month-day).
puppy until:2015-12-21	containing “puppy” and sent before the date “2015-12-21”.
movie -scary :)	containing “movie”, but not “scary”, and with a positive attitude.
flight :(	containing “flight” and with a negative attitude.
traffic ?	containing “traffic” and asking a question.

Please, make sure to URL encode these queries before making the request. There are several online tools to help you to do that, or you can search at twitter.com/search and copy the encoded URL from the browser's address bar. The table below show some

Packt>

FOLDERS

- twitter-notes
  - node_modules
  - authenticator.js
  - config.json
  - index.js
  - package.json

index.js | authenticator.js | config.json

```
var url = require('url');
var express = require('express');
var querystring = require('querystring');
var async = require('async');
var authenticator = require('./authenticator');
var config = require('./config');
var app = express();

// Add cookie parsing functionality to our Express app
app.use(require('cookie-parser')());

// Take user to Twitter's login page
app.get('/auth/twitter', authenticator.redirectToTwitterLoginPage);

// This is the callback url that the user is redirected to after signing in
app.get(url.parse(config.oauth_callback).path, function(req, res) {
    authenticator.authenticate(req, res, function(err) {
        if (err) {
            console.log(err);
            res.sendStatus(401);
        } else {
            res.send("Authentication Successful");
        }
    });
});

// Tweet
app.get('/tweet', function(req, res) {
```

Packt> udemy

Line 43, Column 13 | Tab Size: 4 | JavaScript

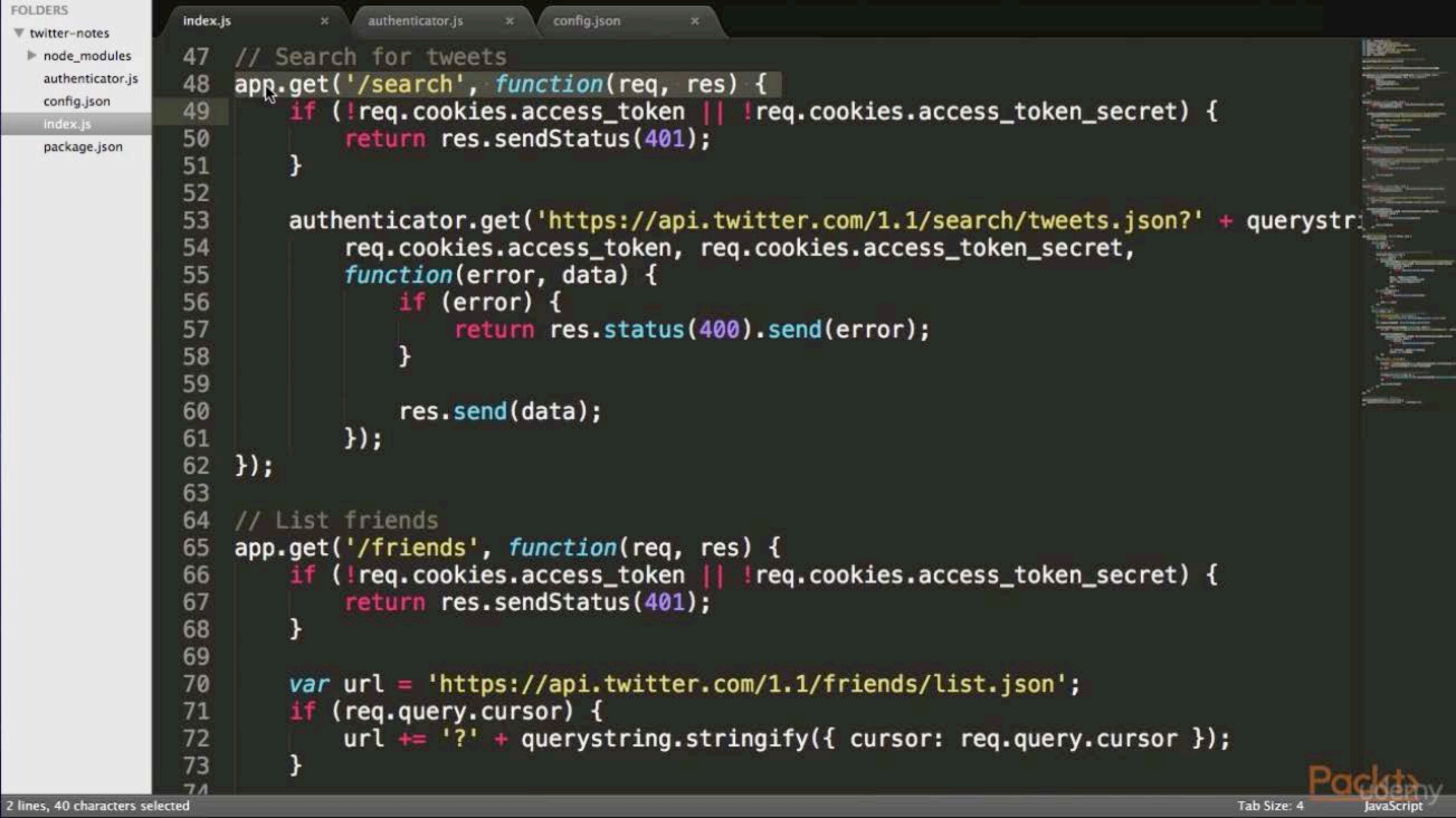
FOLDERS

- twitter-notes
  - node_modules
  - authenticator.js
  - config.json
  - index.js
  - package.json

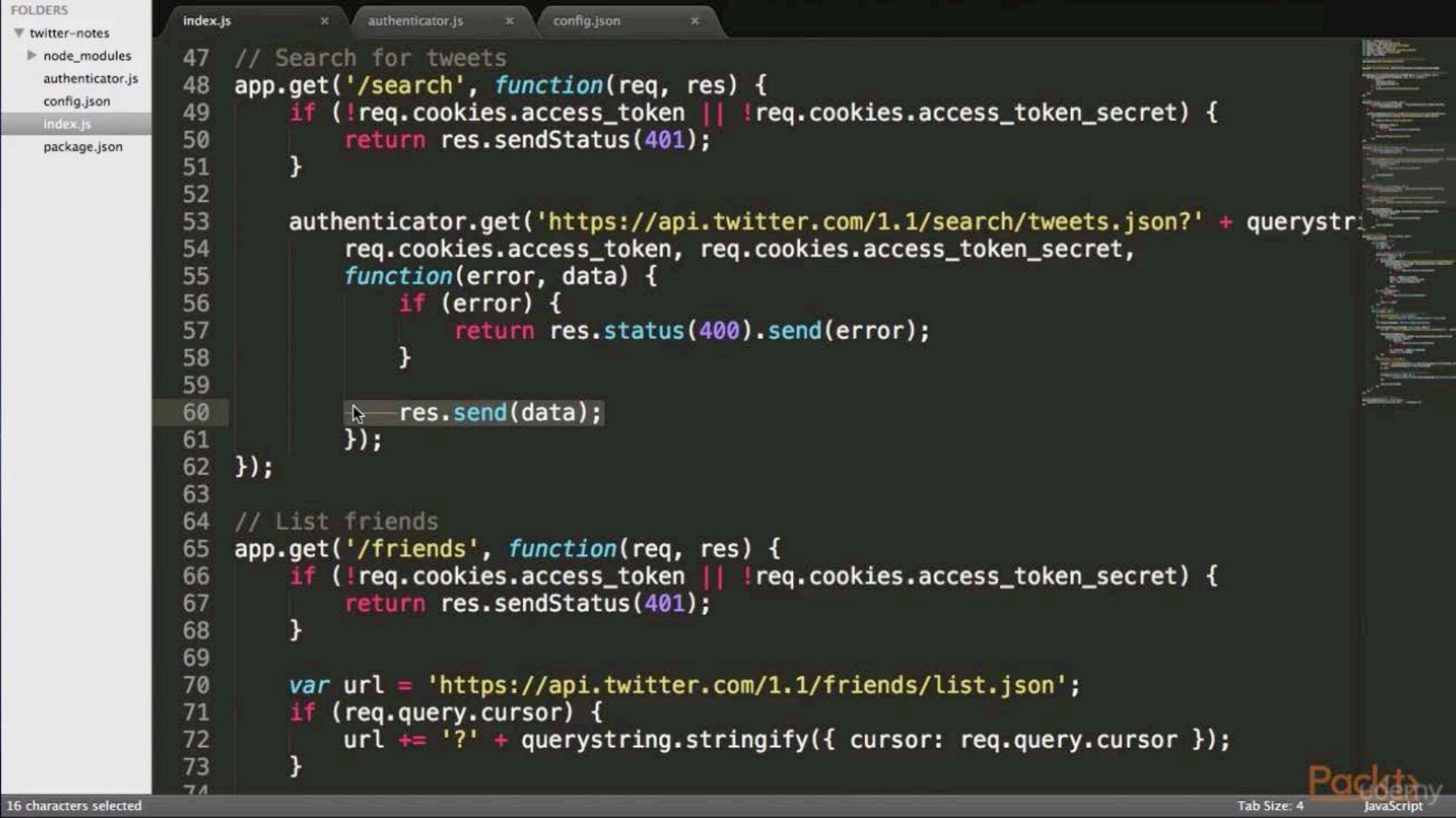
index.js | authenticator.js | config.json

```
1  var url = require('url');
2  var express = require('express');
3  var querystring = require('querystring');
4  var async = require('async');
5  var authenticator = require('./authenticator');
6  var config = require('./config');
7  var app = express();
8
9  // Add cookie parsing functionality to our Express app
10 app.use(require('cookie-parser')());
11
12 // Take user to Twitter's login page
13 app.get('/auth/twitter', authenticator.redirectToTwitterLoginPage);
14
15 // This is the callback url that the user is redirected to after signing in
16 app.get(url.parse(config.oauth_callback).path, function(req, res) {
17     authenticator.authenticate(req, res, function(err) {
18         if (err) {
19             console.log(err);
20             res.sendStatus(401);
21         } else {
22             res.send("Authentication Successful");
23         }
24     });
25 });
26
27 // Tweet
28 app.get('/tweet', function(req, res) {
```

Packt> udemy


FOLDERS
twitter-notes
node_modules
authenticator.js
config.json
index.js
package.json
index.js
authenticator.js
config.json
// Search for tweets
app.get('/search', function(req, res) {
if (!req.cookies.access_token || !req.cookies.access_token_secret) {
return res.sendStatus(401);
}
authenticator.get('https://api.twitter.com/1.1/search/tweets.json?' + querystr
req.cookies.access_token, req.cookies.access_token_secret,
function(error, data) {
if (error) {
return res.status(400).send(error);
}
res.send(data);
});
});
// List friends
app.get('/friends', function(req, res) {
if (!req.cookies.access_token || !req.cookies.access_token_secret) {
return res.sendStatus(401);
}
var url = 'https://api.twitter.com/1.1/friends/list.json';
if (req.query.cursor) {
url += '?' + querystring.stringify({ cursor: req.query.cursor });
}
2 lines, 40 characters selected
Tab Size: 4
JavaScript

FOLDERS
twitter-notes
node_modules
authenticator.js
config.json
index.js
package.json
index.js
authenticator.js
config.json
ies.access_token_secret) {
/1.1/search/tweets.json?' + querystring.stringify({ q: 'French' }),
access_token_secret,
ror);
ies.access_token_secret) {
ends/list.json';
ursor: req.query.cursor });
1 characters selected
Tab Size: 4
JavaScript


FOLDERS
twitter-notes
node_modules
authenticator.js
config.json
index.js
package.json
index.js
authenticator.js
config.json
// Search for tweets
app.get('/search', function(req, res) {
if (!req.cookies.access_token || !req.cookies.access_token_secret) {
return res.sendStatus(401);
}
authenticator.get('https://api.twitter.com/1.1/search/tweets.json?' + querystr
req.cookies.access_token, req.cookies.access_token_secret,
function(error, data) {
if (error) {
return res.status(400).send(error);
}
res.send(data);
});
});
// List friends
app.get('/friends', function(req, res) {
if (!req.cookies.access_token || !req.cookies.access_token_secret) {
return res.sendStatus(401);
}
var url = 'https://api.twitter.com/1.1/friends/list.json';
if (req.query.cursor) {
url += '?' + querystring.stringify({ cursor: req.query.cursor });
}
16 characters selected
Tab Size: 4
JavaScript

```
Salehs-Macintosh:twitter-notes saleh$ node index.js
Listening on port 8080
```

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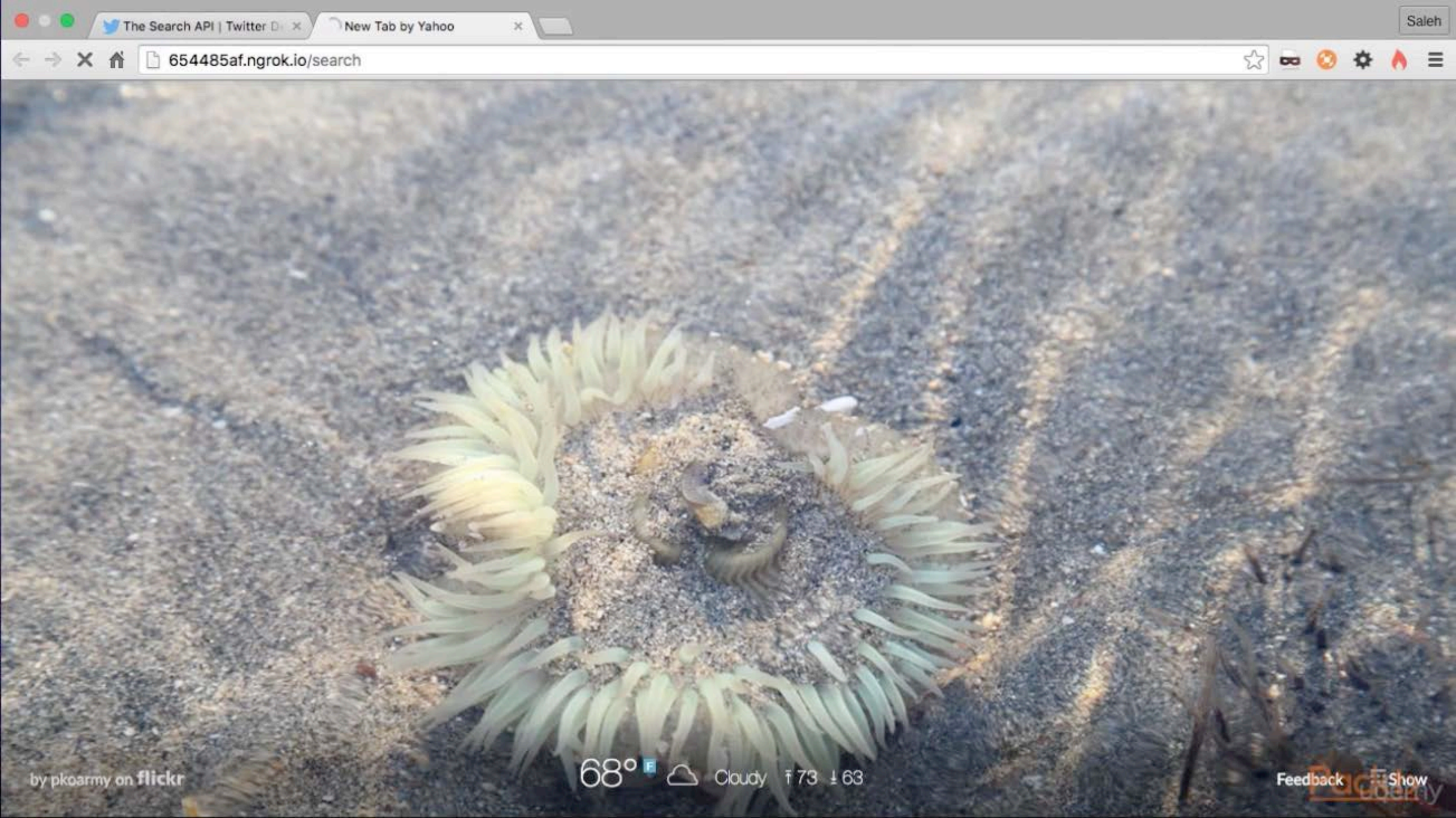
The Search API | Twitter D
New Tab by Yahoo
Saleh
654485af.ngrok.io/search
by pkoarmy on flickr
68° F
Cloudy
73
63
Feedback
Show

{"statuses":[{"created_at":"Fri Apr 01 16:27:21 +0000 2016","id":715938611179421697,"id_str":"715938611179421697","text":"RT @MissCastillo_: The French blues though \ud83d\ude29\ud83d\ude0d","entities":{"hashtags":[],"symbols":[],"user_mentions":[{"screen_name":"MissCastillo_","name":"Vanessa Castillo","id":238276403,"id_str":"238276403","indices":[3,17]}],"urls":[]},"truncated":false,"metadata":{"iso_language_code":"en","result_type":"recent"},"source":"\u003ca href=\"http:\/\/twitter.com\/download\/iphone\" rel=\"nofollow\"\u003eTwitter for iPhone\u003c\/a\u003e","in_reply_to_status_id":null,"in_reply_to_status_id_str":null,"in_reply_to_user_id":null,"in_reply_to_user_id_str":null,"in_reply_to_screen_name":null,"user":{"id":343834692,"id_str":"343834692","name":"Papi Negro","screen_name":"GrandeSalvaje","location":"eight 6 zero","description":"Does @MetroBoomin trust you ?","url":"https:\/\/t.co\/LnW4SWs3og","entities":{"url":{"urls":[{"url":"https:\/\/t.co\/LnW4SWs3og","expanded_url":"http:\/\/Instagram.com\/grandesalvaje","display_url":"Instagram.com\/grandesalvaje","indices":[0,23]}]},"description":{"urls":[]}},"protected":false,"followers_count":471,"friends_count":390,"listed_count":4,"created_at":"Thu Jul 28 04:32:27 +0000 2011","favourites_count":3660,"utc_offset":-18000,"time_zone":"Quito","geo_enabled":true,"verified":false,"statuses_count":38307,"lang":"en","contributors_enabled":false,"is_translator":false,"is_
{"created_at":"Fri Apr 01 15:36:23 +0000 2016","id":715925786411343872,"id_str":"715925786411343872","text":"The French blues though \ud83d\ude29\ud83d\ude0d","entities":{"hashtags":[],"symbols":[],"user_mentions":[],"urls":[]},"truncated":false,"metadata":{"iso_language_code":"en","result_type":"recent"},"source":"\u003ca href=\"http:\/\/twitter.com\/download\/iphone\" rel=\"nofollow\"\u003eTwitter for iPhone\u003c\/a\u003e","in_reply_to_status_id":null,"in_reply_to_status_id_str":null,"in_reply_to_user_id":null,"in_reply_to_user_id_str":null,"in_reply_to_screen_name":null,"user":{"id":238276403,"id_str":"238276403","name":"Vanessa Castillo","screen_name":"MissCastillo_","location":"Boston .","description":"you live , you learn and you move on ;*","url":null,"entities":{"description":{"urls":[]}},"protected":false,"followers_count":727,"friends_count":539,"listed_count":6,"created_at":"Fri Jan 14 20:00:02 +0000 2011","favourites_count":684,"utc_offset":-18000,"time_zone":"Quito","geo_enabled":true,"verified":false,"statuses_count":67240,"lang":"en","contributors_enabled":false,"is_translator":false,"is_t
ZwrXV_S_normal.jpg","profile_image_url_https":"https:\/\/pbs.twimg.com\/profile_images\/703313556180242437\/-ZwrXV_S_normal.jpg","profile_banner_url":"https:\/\/pbs.twimg.com\/profile_banners\/238276403\/1431404515","profile_link_color":"0D57B3","profile_sidebar_border_color":"338FCC","profile_
{"created_at":"Fri Apr 01 16:27:19 +0000 2016","id":715938603935920132,"id_str":"715938603935920132","text":"RT @dougbies: She was rare, like an onion ring in french fries","entities":{"hashtags":[],"symbols":[],"user_mentions":[{"screen_name":"dougbies","name":"Doug Bies","id":95928470,"id_str":"95928470","indices":[3,12]}],"urls":[]},"truncated":false,"metadata":{"iso_language_code":"en","result_type":"recent"},"source":"\u003ca href=\"http:\/\/twitter.com\/download\/iphone\" rel=\"nofollow\"\u003eTwitter for iPhone\u003c\/a\u003e","in_reply_to_status_id":null,"in_reply_to_status_id_str":null,"in_reply_to_user_id":null,"in_reply_to_user_id_str":null,"in_reply_to_screen_name":null,"user":{"id":873261296,"id_str":"873261296","name":"R.B","screen_name":"maanbinumaweel","location":"","description":"One day, there\u2019s going to be an updated version of me.","url":null,"entities":{"description":{"urls":[]}},"protected":false,"followers_count":190,"friends_count":263,"listed_count":2,"created_at":"Thu Oct 11 08:43:56 +0000 2012","favourites_count":4645,"utc_offset":null,"time_zone":null,"geo_enabled":false,"verified":false,"statuses_count":2749,"lang":"en","contributors_enabled":false,"is_translator":false,"is_translat
{"created_at":"Sun Nov 01 03:04:33 +0000 2015","id":660653625358815232,"id_str":"660653625358815232","text":"She was rare, like an onion ring in french fries","entities":{"hashtags":[],"symbols":[],"user_mentions":[],"urls":[]},"truncated":false,"metadata":{"iso_language_code":"en","result_type":"recent"},"source":"\u003ca href=\"http:\/\/twitter.com\/download\/iphone\" rel=\"nofollow\"\u003eTwitter for iPhone\u003c\/a\u003e","in_reply_to_status_id":null,"in_reply_to_status_id_str":null,"in_reply_to_user_id":null,"in_reply_to_user_id_str":null,"in_reply_to_screen_name":null,"user":{"id":95928470,"id_str":"95928470","name":"Doug Bies","screen_name":"dougbies","location":"Long Island, New York","description":"\uf8ff Snob, Beer Snob, Chicago native, Candy fanatic, Proud Dad of fish (1), Hipster-friendly, Basic intolerant, Larry David idol; IG, Snapchat, & Untappd @dougbies","url":"https:\/\/t.co\/rD5WqQB1bE","entities":{"url":{"urls":[{"url":"https:\/\/t.co\/rD5WqQB1bE","expanded_url":"http:\/\/favstar.fm\/users\/dougbies","display_url":"favstar.fm\/users\/dougbies","indices":[0,23]}]},"description":{"urls":[]}},"protected":false,"followers_count":10033,"friends_count":8057,"listed_count":202,"created_at":"Thu Dec 10 15:57:46 +0000 2009","favourites_count":113723,"utc_offset":-14400,"time_zone":"Eastern Time (US & Canada)","geo_enabled":true,"verified":false,"statuses_count":31948,"lang":"en","contributors_enabled":false,"is_translator":false,"is_translation_enabled":false,"profile_background_color":"C0DE
{"id":"5946966f54d17dbb","url":"https:\/\/api.twitter.com\/1.1\/geo\/id\/5946966f54d17dbb.json","place_type":"city","name":"South Huntington","full_name":"South Huntington

Packt>

GET friendships/incoming
GET friendships/outgoing
POST friendships/create
POST friendships/destroy
POST friendships/update
GET friendships/show
GET friends/list
GET followers/list
GET friendships/lookup
GET account/settings
GET account/verify_credentials
POST account/settings
POST account/update_profile
POST account/update_profile_background_image
POST account/update_profile_image
GET blocks/list
GET blocks/ids
POST blocks/create

"happy hour"	containing the exact phrase "happy hour".
love OR hate	containing either "love" or "hate" (or both).
beer -root	containing "beer" but not "root".
#haiku	containing the hashtag "haiku".
from:interior	sent from Twitter account "interior".
list:NASA/astronauts-in-space-now	sent from a Twitter account in the NASA list astronauts-in-space-now
to:NASA	a Tweet authored in reply to Twitter account "NASA".
@NASA	mentioning Twitter account "NASA".
politics filter:safe	containing "politics" with Tweets marked as potentially sensitive removed.
puppy filter:media	containing "puppy" and an image or video.
puppy filter:native_video	containing "puppy" and an uploaded video, Amplify video, Periscope, or Vine.
puppy filter:periscope	containing "puppy" and a Periscope video URL.
puppy filter:vine	containing "puppy" and a Vine.
	containing "puppy" and links identified as

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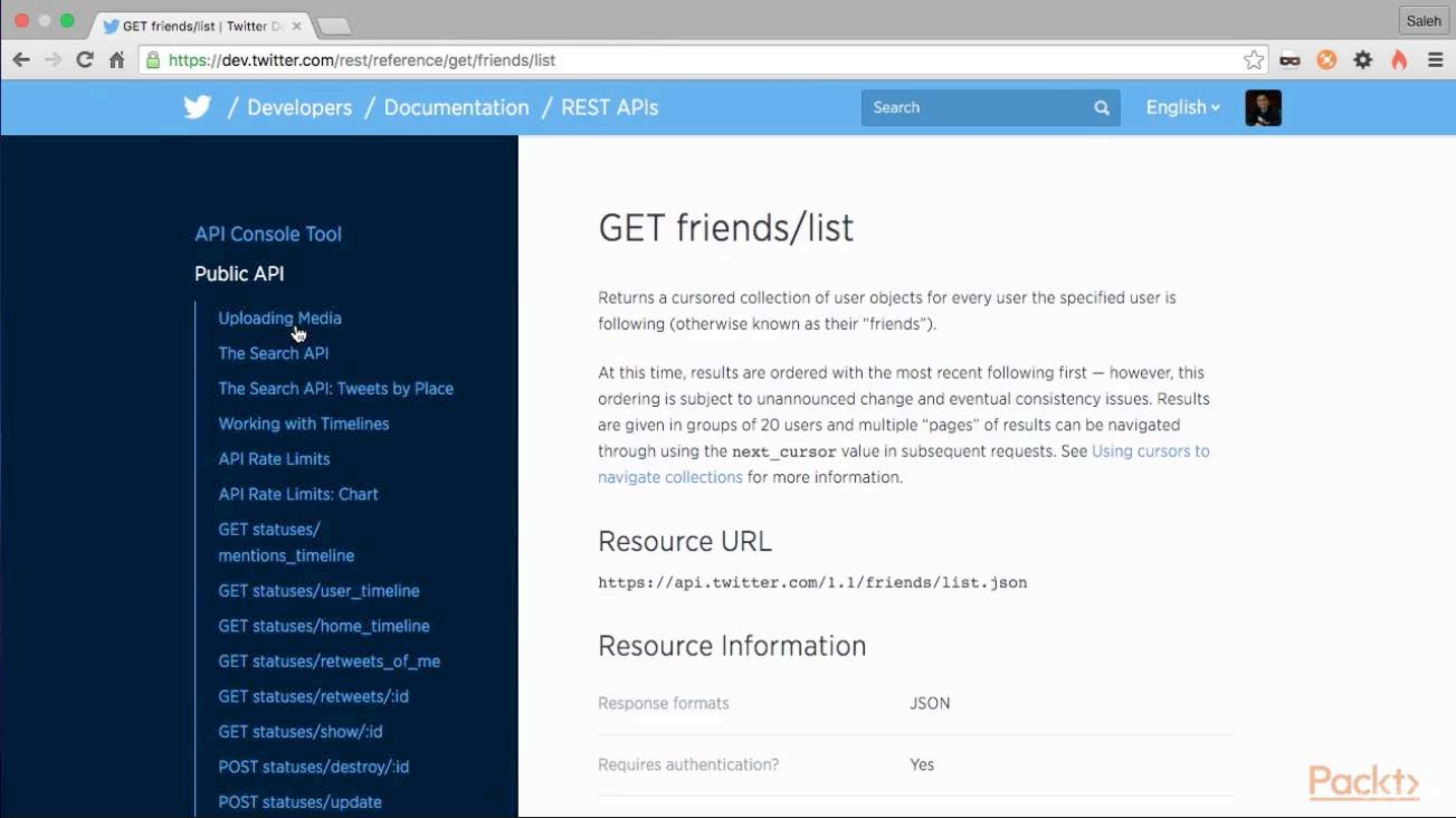
GET friends/list | Twitter
Saleh
https://dev.twitter.com/rest/reference/get/friends/list
/ Developers / Documentation / REST APIs
Search
English
API Console Tool
Public API
Uploading Media
The Search API
The Search API: Tweets by Place
Working with Timelines
API Rate Limits
API Rate Limits: Chart
GET statuses/mentions_timeline
GET statuses/user_timeline
GET statuses/home_timeline
GET statuses/retweets_of_me
GET statuses/retweets/:id
GET statuses/show/:id
POST statuses/destroy/:id
POST statuses/update
GET friends/list
Returns a cursored collection of user objects for every user the specified user is following (otherwise known as their "friends").
At this time, results are ordered with the most recent following first — however, this ordering is subject to unannounced change and eventual consistency issues. Results are given in groups of 20 users and multiple "pages" of results can be navigated through using the next_cursor value in subsequent requests. See Using cursors to navigate collections for more information.
Resource URL
https://api.twitter.com/1.1/friends/list.json
Resource Information
Response formats
JSON
Requires authentication?
Yes
Packt

GET statuses/retweeters/ids
GET statuses/lookup
POST media/upload
POST media/upload chunked
GET direct_messages/sent
GET direct_messages/show
GET search/tweets
GET direct_messages
POST direct_messages/destroy
POST direct_messages/new
GET friendships/no_retweets/ids
GET friends/ids
GET followers/ids
GET friendships/incoming
GET friendships/outgoing
POST friendships/create
POST friendships/destroy
POST friendships/update
GET friendships/show
GET friends/list

Parameters

Either a `screen_name` or a `user_id` should be provided.

user_id
optional

The ID of the user for whom to return results for.

Example Values: `12345`

screen_name
optional

The screen name of the user for whom to return results for.

Example Values: `noradio`

cursor
semi-optional

Causes the results to be broken into pages. If no cursor is provided, a value of `-1` will be assumed, which is the first "page."

The response from the API will include a `previous_cursor` and `next_cursor` to allow paging back and forth. See [node:10362, title="Using cursors to navigate collections"] for more information.

Example Values: `12893764510938`

count

The number of users to return per page, up to a

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```
  }
 ],
 "next_cursor_str": "1333504313713126852"
}
```


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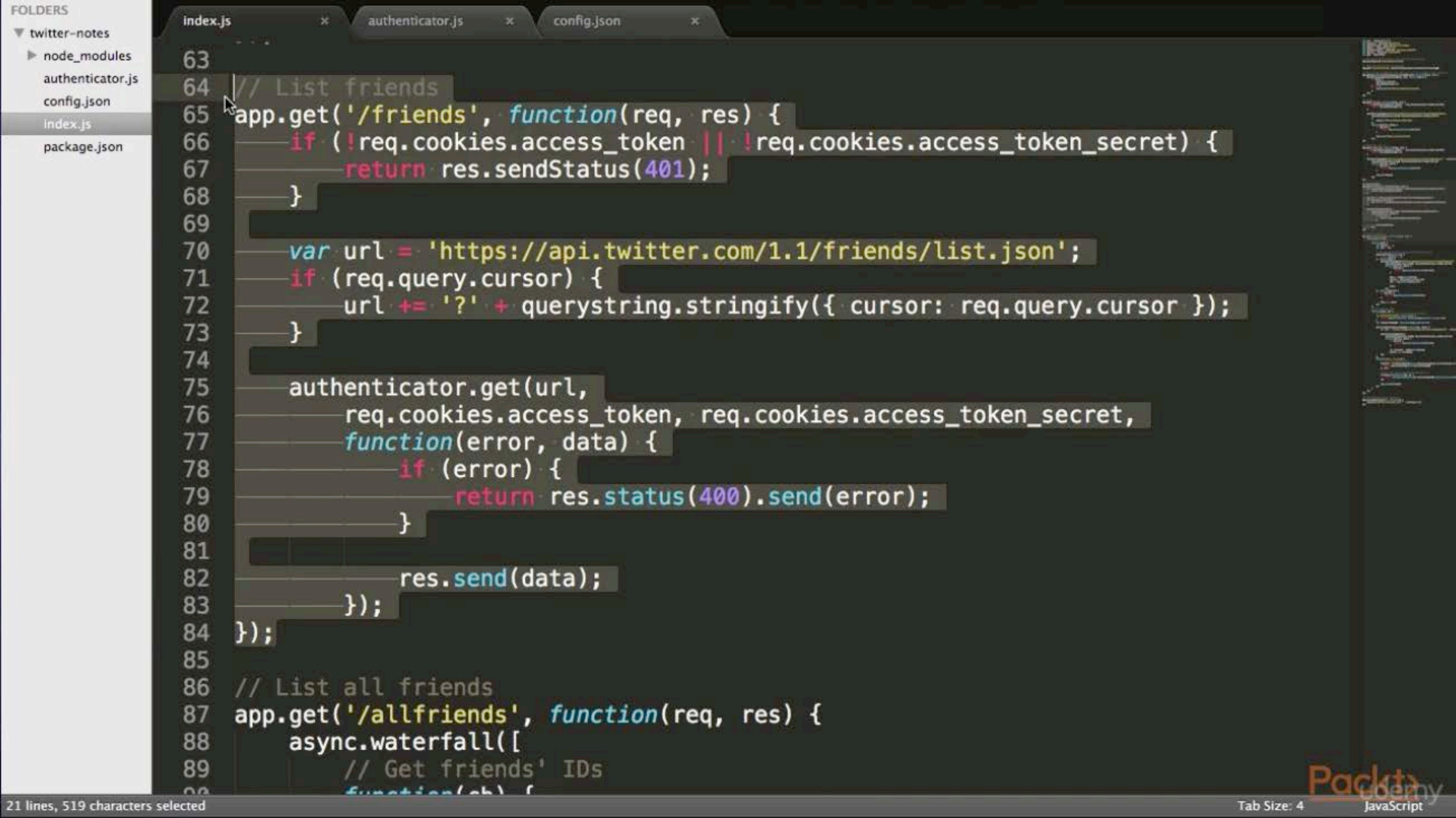
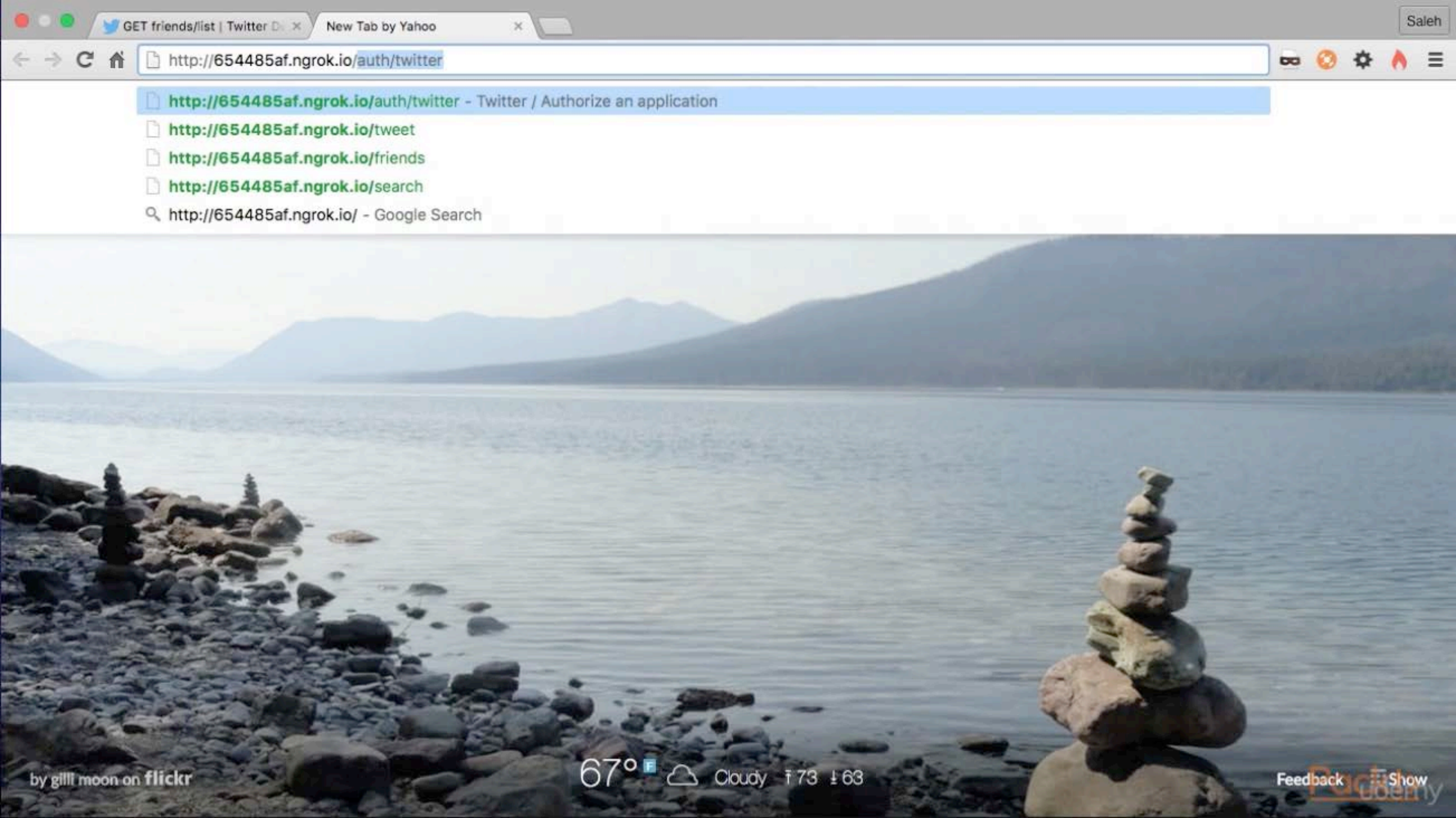

FOLDERS
twitter-notes
node_modules
authenticator.js
config.json
index.js
package.json
index.js
authenticator.js
config.json
63
64 // List friends
65 app.get('/friends', function(req, res) {
66 if (!req.cookies.access_token || !req.cookies.access_token_secret) {
67 return res.sendStatus(401);
68 }
69
70 var url = 'https://api.twitter.com/1.1/friends/list.json';
71 if (req.query.cursor) {
72 url += '?' + querystring.stringify({ cursor: req.query.cursor });
73 }
74
75 authenticator.get(url,
76 req.cookies.access_token, req.cookies.access_token_secret,
77 function(error, data) {
78 if (error) {
79 return res.status(400).send(error);
80 }
81
82 res.send(data);
83 });
84 });
85
86 // List all friends
87 app.get('/allfriends', function(req, res) {
88 async.waterfall([
89 // Get friends' IDs
21 lines, 519 characters selected
Tab Size: 4
JavaScript


GET friends/list | Twitter
New Tab by Yahoo
Saleh
http://654485af.ngrok.io/auth/twitter
http://654485af.ngrok.io/auth/twitter - Twitter / Authorize an application
http://654485af.ngrok.io/tweet
http://654485af.ngrok.io/friends
http://654485af.ngrok.io/search
http://654485af.ngrok.io/ - Google Search
by gilli moon on flickr
67° F
Cloudy
73
63
Feedback
Show

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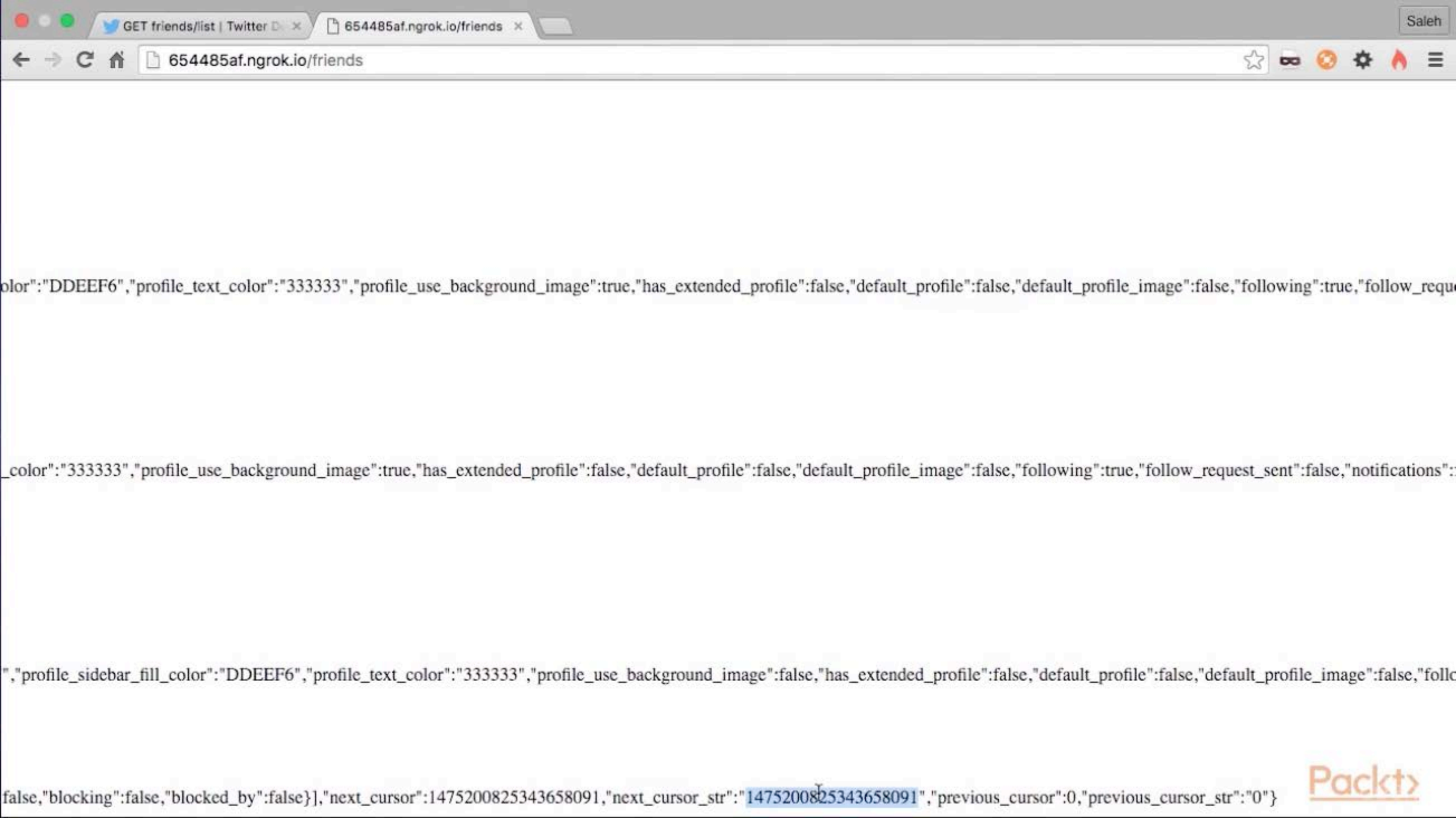
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