Build a Twitter Bot with Nodejs

Tools

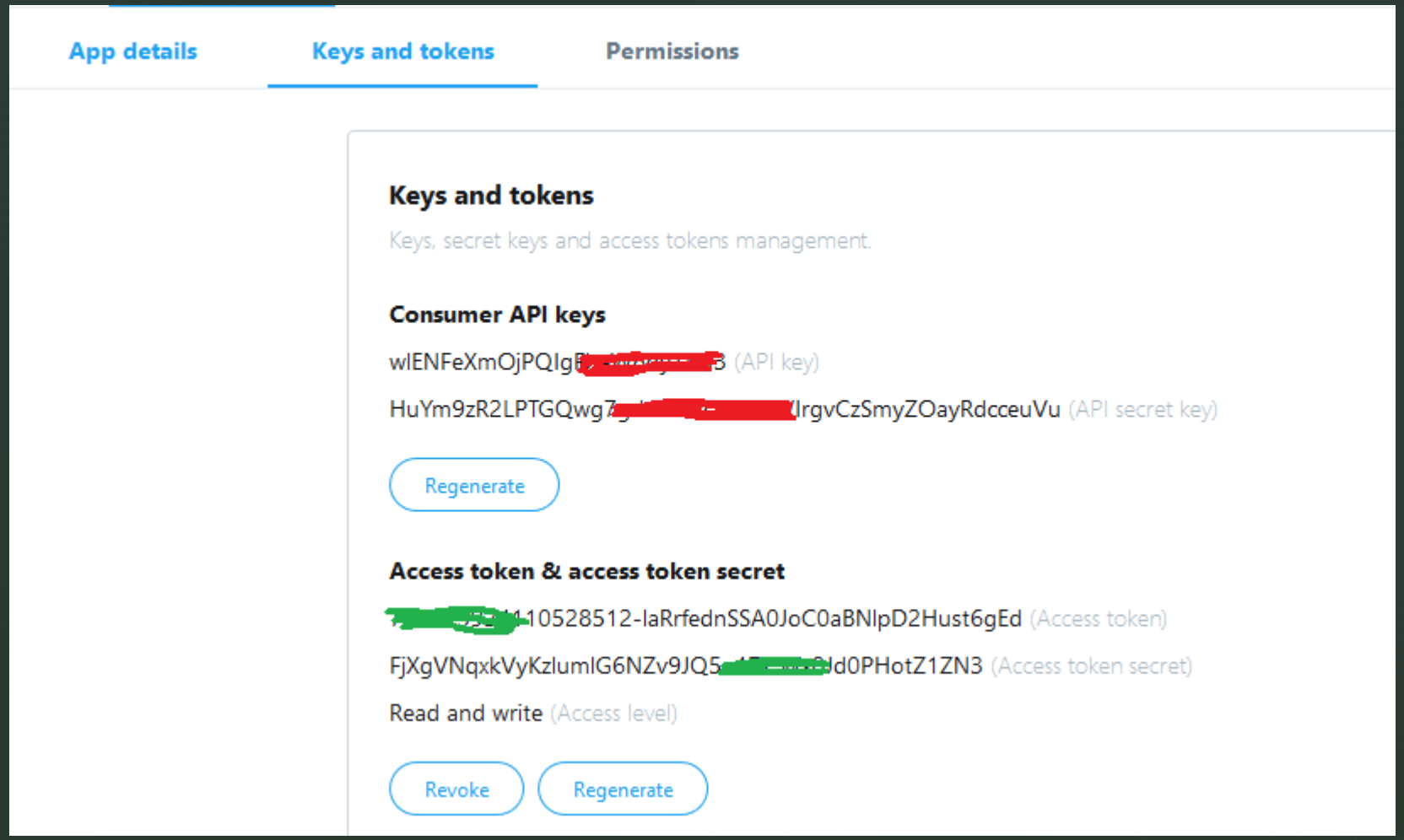
- **Twitter API:** If you have a Twitter account, you can utilize the Twitter API. You can read the API Documentation here.
- **Node.js:** Visit the official Node.js website to download and install Node if you haven't already. Looking for a more in-depth tutorial? Check out my Top Three Node.js courses.
- **Twitter NPM:** An NPM module that allows to easily interact with the Twitter API

First thing’s first

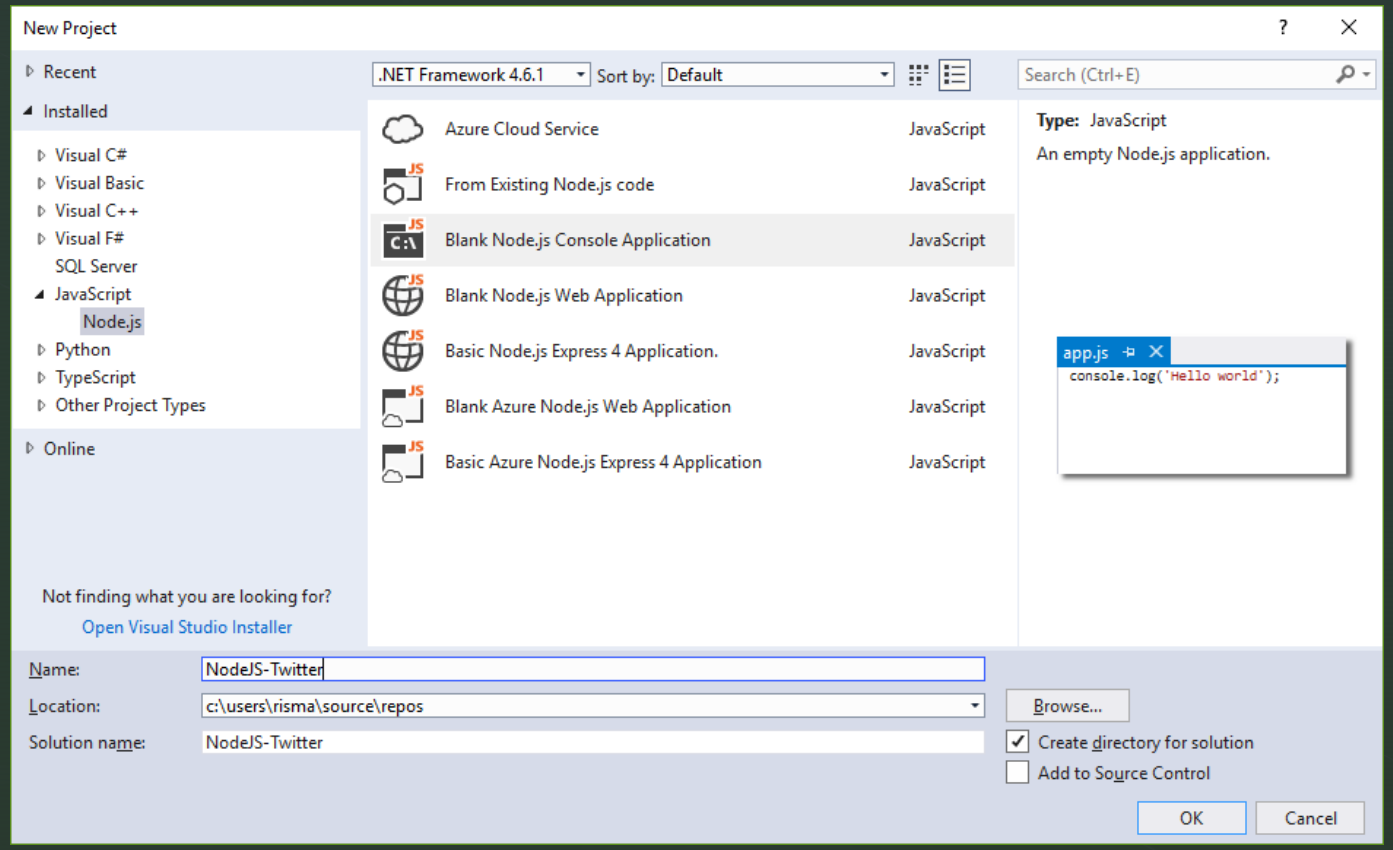
- The only reason this bot will work is because of the Twitter API.
- We’ll be creating a Node.js application that interacts with the Twitter API. In this application, the API will allow us to search for tweets, and favorite the tweets that our application finds.
- To use the Twitter API, we need some information! Head on over to the **Twitter API** **(https://developer.twitter.com/en/apps)** and create a new application

Get Token From Twitter API

- You'll have to fill out some information, then look for the following information under the *Keys and Access Tokens* tab. You may have to click *Generate Access Token* to create your access token.
  - Consumer Key
  - Consumer Secret
  - Access Token Key
  - Access Token Secret


App details
Keys and tokens
Permissions
Keys and tokens
Keys, secret keys and access tokens management.
Consumer API keys
wlENFeXmOjPQIgB[redacted]3 (API key)
HuYm9zR2LPTGQwg7[redacted]IrgvCzSmyZOayRdcceuVu (API secret key)
Regenerate
Access token & access token secret
[redacted]10528512-IaRrfednSSA0JoC0aBNlpD2Hust6gEd (Access token)
FjXgVNqxkVyKzlumlG6NZv9JQ5[redacted]d0PHotZ1ZN3 (Access token secret)
Read and write (Access level)
Revoke
Regenerate

Create New Project



Project Step

- Create two files, config.js and app.js
  - config.js file will store the configuration information.
  - app.js file will contain our twitter bot code.
- Install twitter library

```
npm install --save twitter
```

Config.js

```
1  // config.js
2  module.exports = {
3      consumer_key: '[redacted]',
4      consumer_secret: '[redacted]',
5      access_token_key: '[redacted]',
6      access_token_secret: '[redacted]'
7  }
8
```

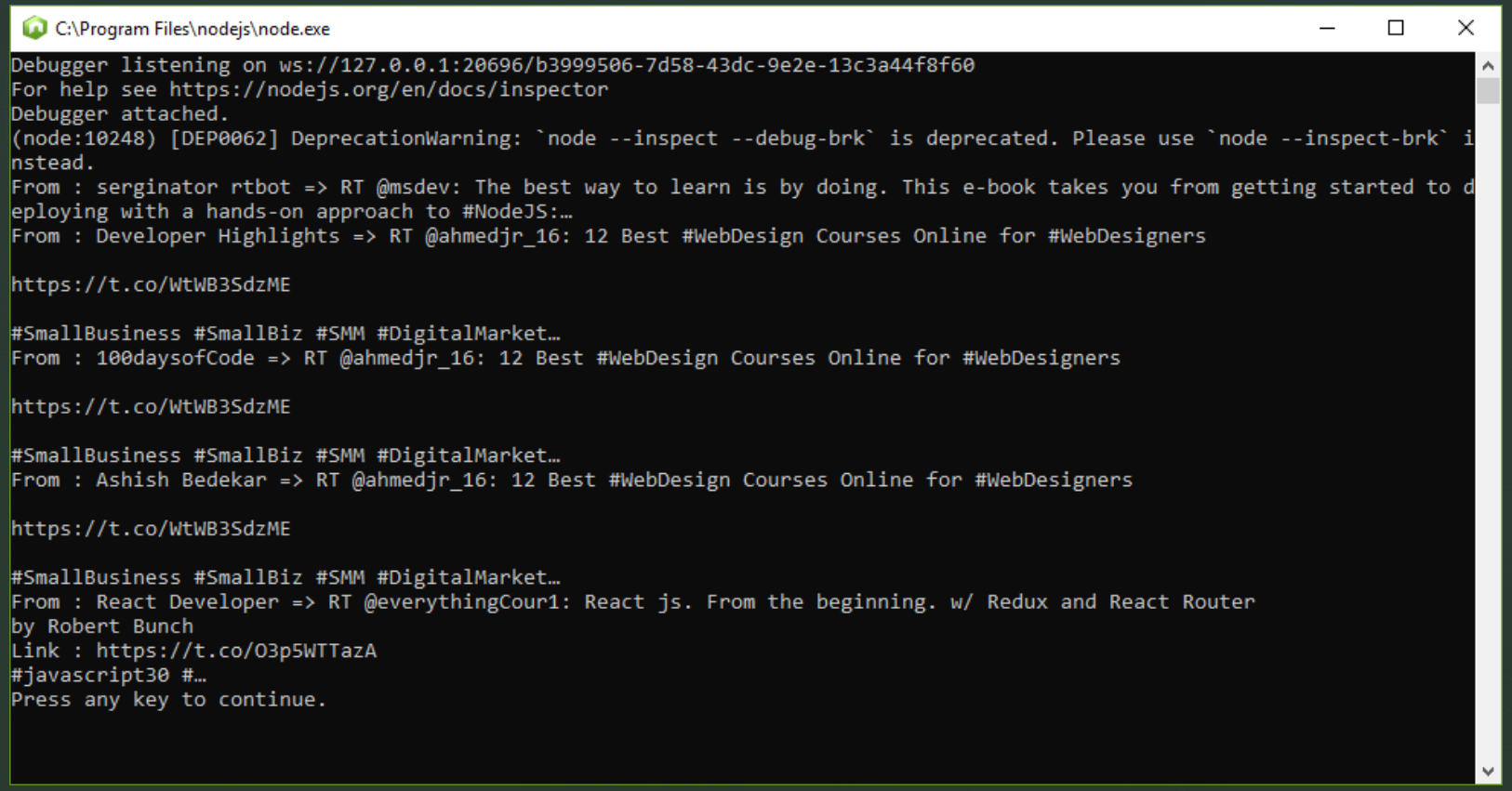
app.js

```
var Twitter = require('twitter');
var config = require('./config.js');
var T = new Twitter(config);

// Set up your search parameters
var params = {
    q: '#nodejs',
    count: 10,
    result_type: 'recent',
    lang: 'en'
}

// Initiate your search using the above paramaters
T.get('search/tweets', params, function (err, data, response) {
    // If there is no error, proceed
    if (!err) {
        // Loop through the returned tweets
        for (let i = 0; i < data.statuses.length; i++) {
            // Get name and tweets from the returned data
            let name = data.statuses[i].user.name;
            let text = data.statuses[i].text;
            console.log('From : ' + name + ' => ' + text);
        }
        console.log('Press any key to continue.');
        process.stdin.once('data', function () {
            continueDoingStuff();
        });
    } else {
        console.log(err);
    }
})
```

Sample Apps Running



Latihan

- Simpan data tweets yang didapat ke mongodb
- Data yang disimpan antara lain :
  - Id
  - User.Name
  - Tweets