

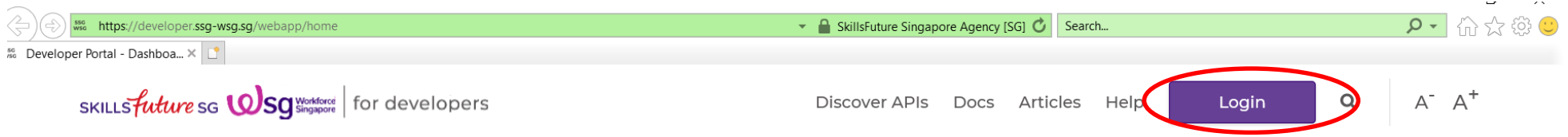


User Guide To Run Sample Code

Developer Portal: Step 1

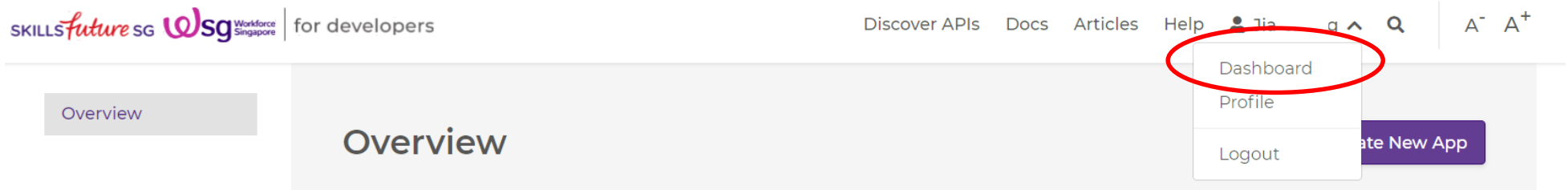
- Step 1.1

- ❖ Go to developer portal <https://developer.ssg-wsg.sg/webapp/home>
- ❖ Then Create or log in your Github account



- Step 1.2

- ❖ After log in with your GitHub account
- ❖ Click your profile and select Dashboard



Developer Portal : Step 2

(Create New App)

- Step 2.1

- ❖ Click the Create New App

Create New App

Create New App


Application Information

App Name

Description

- Step 2.2

- ❖ Type any App Name and description you want to input
- ❖ Select Authentication: Open.
- ❖ Then Click Create

Authentication 

- ☒ Open
- ☐ Certificate

Cancel

Create

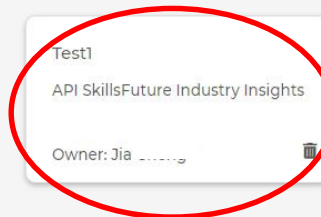
Developer Portal : Step 3 (Overview)

- Step 3.1

- ❖ Click the overview App you have created

Overview

Overview



- Step 3.2

- ❖ It shows 3 categories.
 - Summary: Add APIs
 - Credentials: Generate your own new Credential username and password
 - Subscriptions: Shows the APIs that you have added

Dashboard / Test1

Summary

Credentials


Subscriptions


Developer Portal : Step 4 (Add APIs)


- Step 4.1


- ❖ Select one of any of the 4 categories and then select any APIs you want to explore
- ❖ Then click Add APIs – it will show on the subscriptions.


Add APIs

 COURSES








 COURSES ✓

 PROGRAMMES FOR INDIVIDUAL

 SKILLS

 RESOURCES

SELECT API(S)

<input checked="" type="checkbox"/>	Courses Categories	
<input checked="" type="checkbox"/>	Course Tags	
<input checked="" type="checkbox"/>	Courses SubCategories	
<input checked="" type="checkbox"/>	Course Details	
<input checked="" type="checkbox"/>	Related Courses	
<input checked="" type="checkbox"/>	Retrieve Courses	
<input type="checkbox"/>	Course Autocomplete	

Clear Selection

Add APIs

Developer Portal : Step 5

- Step 5.1

- ❖ Click Discover APIs



Discover APIs Docs Articles Help A⁻ A⁺

Docs / Resources

Skills Framework

Job Role Titles

Skills & Competencies
Generic

Field of Studies

Skills & Competencies
Technical

Job Roles

List of Occupations

List of SSIC

TSC Code
Autocomplete Details

Related Job Roles By
ID

Job Role Profile By ID

Job Role Details By ID

Sector Profile By
Sector ID

Videos By Sector

GSC Code
Autocomplete Details

Job Roles By
Occupation

Sectors

Retrieve List of Sectors v1 OAS3

Release Date: 2019-07-29

This API is used to retrieve the list of sectors in taxonomy system.

Authentication	Open Read Guide
Production Base URL	public-api.ssg-wsg.sg
Subscription Approval	Not Required
Conformance Test	Not Required
Change Log	2019-07-29 (v1) <ul style="list-style-type: none">Initial release

Servers

<https://mock-public-api.ssg-wsg.sg/>

default

[GET](#) /skills-framework/sectors Retrieve list of sectors

Schemas

- Step 5.2

- ❖ Then choose any one of the 4 categories;
For E.g. : Resources → Skills Framework → Sectors
- ❖ Click on the “Get” or “Post” to expand the section

Developer Portal : Step 5

- Step 5.3

- ❖ Click Try it out and execute to get the json file output
- ❖ This is to show the mock example of GET request

Output:
Json File

Servers

<https://mock-public-apt.esg-weg.sg/>

default

GET /skillsFramework/sectors Retrieve list of sectors

This API is used to retrieve all sectors.

Parameters

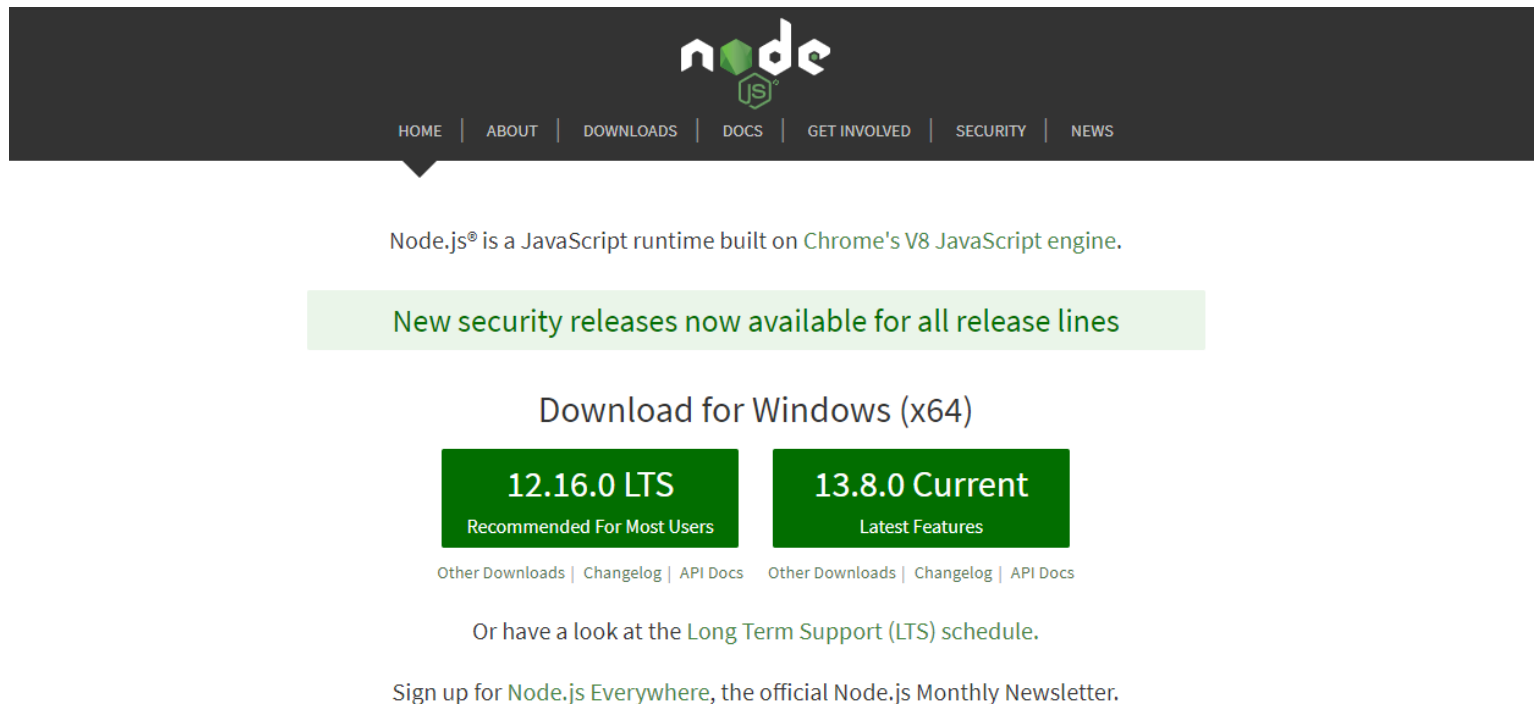
Name	Description
x-api-version	API version
string (header)	Default value : v1

Responses

Code	Description	Links
200	<p>Successful operation</p> <p>application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "sectors": [{ "id": "15614", "code": "ACC", "title": "Accountancy", "background": { "disclaimer": "If you have a knack for numbers, money matters, economics and business, you might want to consider a career in accountancy. Accountants are critical to the success of any business and are often sought after as key players in any business set-up.
Source:
is target> .blank" }, "url": "http://www.skillsfuture.sg/study/journeys/accountancy/skillsfuture-singapore-stillsfuture-study-award-for-accountancy-2016-2018-the-industry-overview-has-been-validated-with-the-industry-in-2016-and-updated-with-statistics-from-2016-census.
Source:
diso" }], "subsectors": { "count": 1 }, "briefDescription": "If you have a knack for numbers, money matters, economics and business, you might want to consider a career in accountancy. Accountants are critical to the success of any business and are often sought after as key players in any business set-up." } </pre>	No links

Install Node.js

Go <https://nodejs.org/en/> to install the runtime software



Run the Sample Code using Node.js Command Prompt

Node.js command prompt

```
C:\Users\          \Documents\SampleCode>node samplecode.js
```

Run the Sample Code using Node.js Command Prompt

Node.js command prompt - node samplecode.js

```
C:\Users\          \Documents\SampleCode>node samplecode.js
#####
Simple Program in JavaScript to call OAuth 2 Token for Get API
#####
1) Please get ready the GET API URL
2) Please get ready the Client ID from developer portal
3) Please get ready the Secret from developer portal
4) Save File into csv format

prompt: api_name: 
```

Run the Sample Code using Node.js Command Prompt

Node.js command prompt - node_samplecode.js

```
C:\Users\...\Documents\SampleCode>node samplecode.js
#####
Simple Program in JavaScript to call OAuth 2 Token for Get API
#####
1) Please get ready the GET API URL
2) Please get ready the Client ID from developer portal
3) Please get ready the Secret from developer portal
4) Save File into csv format

prompt: api_name: https://public-api.ssg-wsg.sg/skillsFramework/sectors/15633
```

Run the Sample Code using Node.js Command Prompt

Node.js command prompt - node samplecode.js

— □ ×

```
C:\Users\          \Documents\SampleCode>node samplecode.js
#####
Simple Program in JavaScript to call OAuth 2 Token for Get API
#####
1) Please get ready the GET API URL
2) Please get ready the Client ID from developer portal
3) Please get ready the Secret from developer portal
4) Save File into csv format

prompt: api_name:  https://public-api.ssg-wsg.sg/skillsFramework/sectors/15633
prompt: clientID:
```

```
Node.js command prompt - node samplecode.js
C:\Users\          \Documents\SampleCode>node samplecode.js
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Simple Program in JavaScript to call OAuth 2 Token for Get API
#####
1) Please get ready the GET API URL
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4) Save File into csv format

prompt: api_name: https://public-api.ssg-wsg.sg/skillsFramework/sectors/15633
prompt: clientID: *~*~*~*~*~*~*~*~*~*~*~*~*~*~*~*
```

[illegible]

```
C:\Users\          \Documents\SampleCode>node samplecode.js
#####
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prompt: clientID: *~*~*~*~*~*~*~*~*~*~*~*~*~*~*~*
```

```
C:\Users\          \Documents\SampleCode>node samplecode.js  
#####  
Simple Program in JavaScript to call OAuth 2 Token for Get API  
#####  
1) Please get ready the GET API URL  
2) Please get ready the Client ID from developer portal  
3) Please get ready the Secret from developer portal  
4) Save File into csv format  
  
prompt: api_name: https://public-api.ssg-wsg.sg/skillsFramework/sectors/15633  
prompt: clientID: *~!@#%&*^_{}|'";:~!@#%&*^_{}|'";:~!
```

```
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Simple Program in JavaScript to call OAuth 2 Token for Get API
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prompt: clientID: *~*~*~*~*~*~*~*~*~*~*~*~*
```

- ```
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1) Please get ready the GET API URL
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```

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```

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#####
1) Please get ready the GET API URL
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3) Please get ready the Secret from developer portal
4) Save File into csv format

prompt: api_name: https://public-api.ssg-wsg.sg/skillsFramework/sectors/15633
prompt: clientID: *~7~0*~89*~5*c~1*~4*~8~0~1*~7*f~d*~*~*~*
prompt: secret:
```

[illegible][illegible][illegible][illegible][illegible]

- [illegible]

[illegible][illegible][illegible]

```

C:\Users\... \Documents\SampleCode>node samplecode.js
#####
Simple Program in JavaScript to call OAuth 2 Token for Get API
#####
1) Please get ready the GET API URL
2) Please get ready the Client ID from developer portal
3) Please get ready the Secret from developer portal
4) Save File into csv format

prompt: api_name: https://public-api.ssg-wsg.sg/skillsFramework/sectors/15633
prompt: clientID: ****
prompt: secret: ****

```



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.....

- 1) Please get ready the GET API URL
- 2) Please get ready the Client ID from developer portal
- 3) Please get ready the Secret from developer portal
- 4) Save File into csv format

```
prompt: clientID: **f**3**8*5**4*3**9*6*f**9**
```

prompt: secret: 0D\*1M\*7\*G6\*+\*iA\*\*00\*\*M\* Th\*MP+MT\*|\*d\*MD\*MT\*\*

# Run the Sample Code using Node.js Command Prompt

Node.js command prompt - node samplecode.js

```
C:\Users\> .\Documents\SampleCode>node samplecode.js
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Simple Program in JavaScript to call OAuth 2 Token for Get API
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1) Please get ready the GET API URL
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prompt: api_name: https://public-api.ssg-wsg.sg/skillsFramework/sectors/15633
prompt: clientID: ****
prompt: secret: ****
prompt: file_name:
```



# Run the Sample Code using Node.js Command Prompt

Node.js command prompt - node samplecode.js

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#####
1) Please get ready the GET API URL
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3) Please get ready the Secret from developer portal
4) Save File into csv format

prompt: api_name: https://public-api.ssg-wsg.sg/skillsFramework/sectors/15633
prompt: clientID: ****
prompt: secret: ****
prompt: file_name: sectors.csv
```

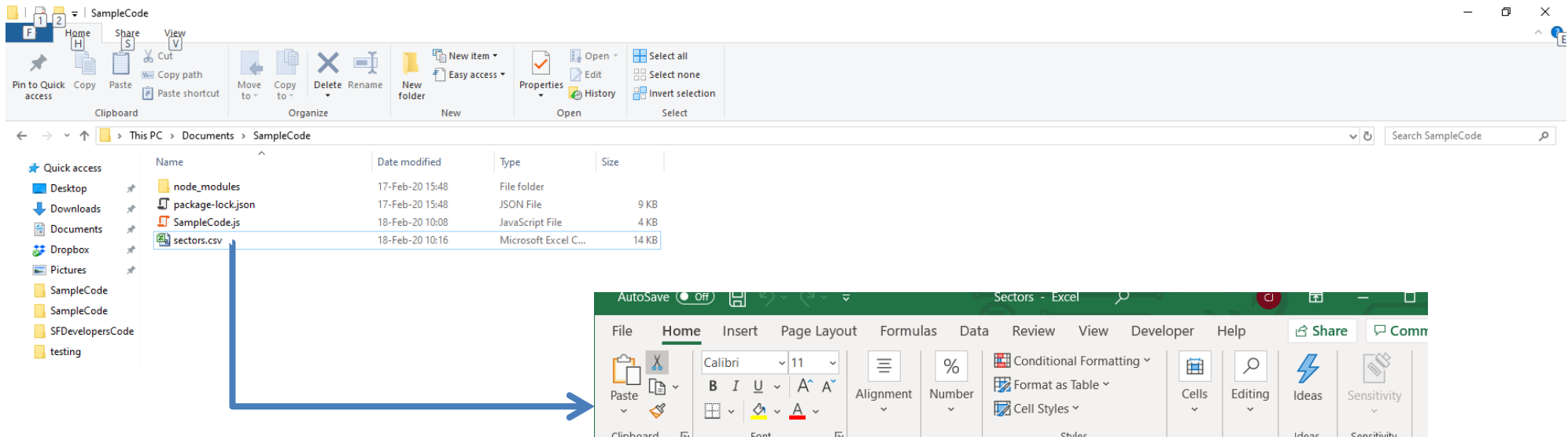
# Run the Sample Code using Node.js Command Prompt

Node.js command prompt

```
"url": "https://www.youtube.com/embed/lUxzJC9FymU?rel=0"
},
{
 "description": "What does an ethical hacker do? What kind of skills do you need to be an ethical hacker?",
 "id": "25988",
 "url": "https://www.youtube.com/embed/PmPM0J40zSY?rel=0"
},
{
 "description": "Join the many women who have built successful careers with Infocomm Media skills.",
 "id": "25989",
 "url": "https://www.youtube.com/embed/za3dtbaiQck?rel=0"
},
{
 "description": "The Cyber Security Experience, or CSX (www.singtelcyberexperience.com), is an interactive cyber education portal to engage students and mid-career professionals who are interested in a cyber security career.",
 "id": "66638",
 "url": "https://www.youtube.com/embed/rRbdOjM_-po?rel=0"
}
]
},
"error": {
 "code": "",
 "details": [
 {
 "field": "",
 "message": ""
 }
],
 "errorId": "",
 "message": ""
},
"meta": {},
"status": 200
}
Success!

C:\Users\... \Documents\SampleCode>
```

# Run the Sample Code using Node.js Command Prompt

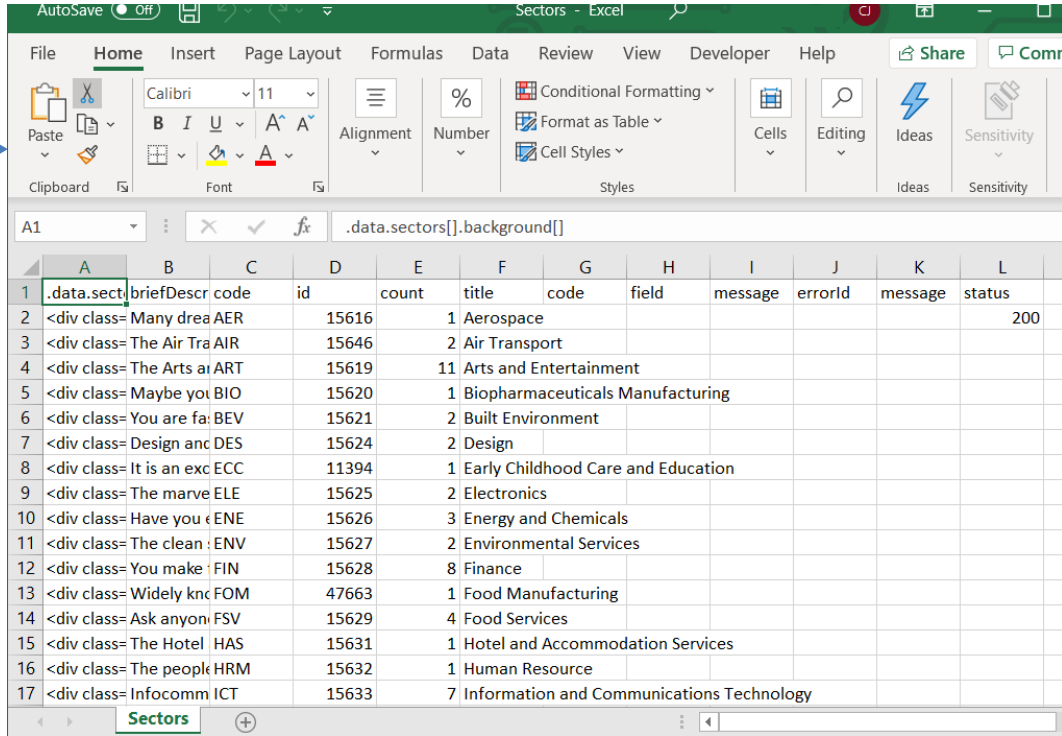


File Explorer window showing the contents of the 'SampleCode' directory. The directory contains the following files and folders:

| Name              | Date modified   | Type                 | Size  |
|-------------------|-----------------|----------------------|-------|
| node_modules      | 17-Feb-20 15:48 | File folder          |       |
| package-lock.json | 17-Feb-20 15:48 | JSON File            | 9 KB  |
| SampleCode.js     | 18-Feb-20 10:08 | JavaScript File      | 4 KB  |
| sectors.csv       | 18-Feb-20 10:16 | Microsoft Excel C... | 14 KB |

A blue arrow points from the 'sectors.csv' file to a red callout box.

Converted CSV  
file from the  
sample code



Excel spreadsheet titled 'Sectors - Excel' showing data from a CSV file. The spreadsheet displays the following data:

|    | A           | B            | C    | D     | E     | F                                           | G    | H     | I       | J       | K       | L      |
|----|-------------|--------------|------|-------|-------|---------------------------------------------|------|-------|---------|---------|---------|--------|
| 1  | .data.sect  | briefDescr   | code | id    | count | title                                       | code | field | message | errorld | message | status |
| 2  | <div class= | Many drea    | AER  | 15616 |       | 1 Aerospace                                 |      |       |         |         |         | 200    |
| 3  | <div class= | The Air Tra  | AIR  | 15646 |       | 2 Air Transport                             |      |       |         |         |         |        |
| 4  | <div class= | The Arts ai  | ART  | 15619 |       | 11 Arts and Entertainment                   |      |       |         |         |         |        |
| 5  | <div class= | Maybe you    | BIO  | 15620 |       | 1 Biopharmaceuticals Manufacturing          |      |       |         |         |         |        |
| 6  | <div class= | You are fa   | BEV  | 15621 |       | 2 Built Environment                         |      |       |         |         |         |        |
| 7  | <div class= | Design anc   | DES  | 15624 |       | 2 Design                                    |      |       |         |         |         |        |
| 8  | <div class= | It is an exc | ECC  | 11394 |       | 1 Early Childhood Care and Education        |      |       |         |         |         |        |
| 9  | <div class= | The marve    | ELE  | 15625 |       | 2 Electronics                               |      |       |         |         |         |        |
| 10 | <div class= | Have you     | ENE  | 15626 |       | 3 Energy and Chemicals                      |      |       |         |         |         |        |
| 11 | <div class= | The clean    | ENV  | 15627 |       | 2 Environmental Services                    |      |       |         |         |         |        |
| 12 | <div class= | You make     | FIN  | 15628 |       | 8 Finance                                   |      |       |         |         |         |        |
| 13 | <div class= | Widely kno   | FOM  | 47663 |       | 1 Food Manufacturing                        |      |       |         |         |         |        |
| 14 | <div class= | Ask anyon    | FSV  | 15629 |       | 4 Food Services                             |      |       |         |         |         |        |
| 15 | <div class= | The Hotel    | HAS  | 15631 |       | 1 Hotel and Accommodation Services          |      |       |         |         |         |        |
| 16 | <div class= | The people   | HRM  | 15632 |       | 1 Human Resource                            |      |       |         |         |         |        |
| 17 | <div class= | Infocomm     | ICT  | 15633 |       | 7 Information and Communications Technology |      |       |         |         |         |        |