

User Guide To Java Sample Code

OPEN AUTHENTICATION : JAVA

About

- This Sample Code is targeted for those who are new in calling API using Open Authentication App with Client Id and Secret in Java Language
- This Sample Code provides the minimum requirement in calling “GET” Request API using HttpURLConnection class

Prerequisites

- Java 8 (Minimum)* – [Download Link](#)
- Developer Account with Open Authentication App**
- Client Id and Secret from Developer Portal***

*Java 8 Installation Guide: https://docs.oracle.com/javase/8/docs/technotes/guides/install/windows_jdk_install.html#CHDEBCCI

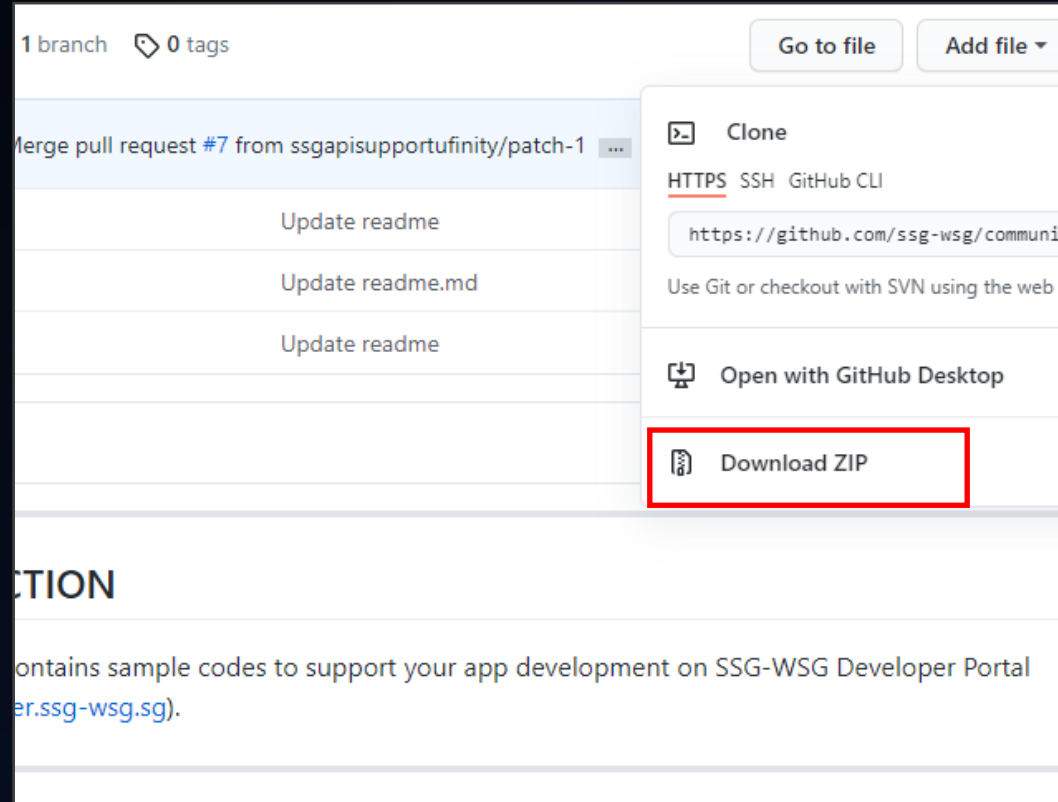
**Ensure the Application is subscribed to the desired API

***Client Id and Secret can be obtained under : Dashboard -> "Application" -> App Setting -> Client Id and Secret

For creation of account, you may view the Started Guides [here](#)

SETTING UP AND CHECKS

- Download the Sample Code [here](#) and stored it at your desire location
- Check Java program is using Java 8 or higher



```
C:\Users\User>java -version
java version "1.8.0_261"
Java(TM) SE Runtime Environment (build 1.8.0_261-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.261-b12, mixed mode)
```

RUNNING THE APPLICATION

- The Application can be run on both Windows and Mac OS
- Open CMD and navigate to the sample code file
 - cd "Path to Sample Code"
- Compile and Run the Java File with the following commands
 - javac *filename*.java
 - java *filename*

```
Command Prompt
Microsoft Windows [Version 10.0.19041.508]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\User>cd SampleCode\SampleCodeJava
```

```
Command Prompt

C:\Users\User\SampleCode\SampleCodeJava>javac SSGWSGSampleCodeJava.java

C:\Users\User\SampleCode\SampleCodeJava>java SSGWSGSampleCodeJava
```

RUNNING THE APPLICATION

Enter URL, Client Id, and Secret to call the API

URL Examples:

- <https://public-api.ssg-wsg.sg/courses/categories?keyword=Training>
- <https://public-api.ssg-wsg.sg/courses/directory/SCN-198202248E-01-CRS-N-0027685>
- <https://public-api.ssg-wsg.sg/courses/tags?sortBy=0>

```
#####
Simple Program in Java 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

Client Id and Secret can be obtain under App Setting - "Client Id and Secret"
Enter URL to continue: https://public-api.ssg-wsg.sg/courses/categories?keyword=Training
```

```
#####
Simple Program in Java to call OAuth 2 Token for Get API
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1) Please get ready the GET API URL
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Client Id and Secret can be obtain under App Setting - "Client Id and Secret"
Enter URL to continue: https://public-api.ssg-wsg.sg/courses/categories?keyword=Training
```

Enter Client Id:

Client Id

```
#####
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

Client Id and Secret can be obtain under App Setting - "Client Id and Secret"
Enter URL to continue: https://public-api.ssg-wsg.sg/courses/categories?keyword=Training
```

Enter Client Id:

Client Id

Enter Secret Key:

Secret

Results

SUCCESSFUL CALL

```
{
  "data": {
    "categories": [
      {
        "display": true,
        "id": 1,
        "name": "Area of Training",
        "rolodex": {
          "display": false,
          "numberOfLetters": 1
        }
      },
      {
        "display": true,
        "id": 4,
        "name": "Training Partners",
        "rolodex": {
          "display": true,
          "numberOfLetters": 3
        }
      }
    ]
  },
  "error": {},
  "meta": {
    "total": 2
  },
  "status": 200
}
```

UNSUCCESSFUL CALL

```
Key: null Value: [HTTP/1.1 404 Not Found]
Key: X-Content-Type-Options Value: [nosniff]
Key: Content-Length Value: [19]
Key: Date Value: [Mon, 24 May 2021 01:47:49 GMT]
Key: Content-Type Value: [text/plain; charset=utf-8]
```

```
Error Message: java.io.FileNotFoundException: https://public-api.ssg-wsg.sg/courses
Please check if you have subscribed to the API or enter the correct Input Value
```

Upon keying incorrect data for URL, Client Id, or Secret, an error message will be shown to user