

Evaluation Task Response

Below steps to be followed for build, run and test this evaluation task:

- 1) Download the count repository:

<https://github.com/rjavaria/count.git>

Counter boot application runs on port 8081. If conflicts with port number, port number can be configured at src/main/resources/application.properties.

- 2) Build the project:

`$./gradlew build`

Or

`$ gradlew.bat build`

```
rjavaria@AUSYDN0H484967 MINGW64 /c/Data/projects/assign/counter
$ ./gradlew build
:compileJava
C:\Users\rjavaria\.gradle\caches\modules-2\files-2.1\org.springframework\spring-context\4.3.10.RELEASE\645ce6fdb38448d183a1374506fc24036009869\spring-context-4
```

- 3) Run the Counter Server boot

`$./gradlew bootRun`

```
rjavaria@AUSYDN0H484967 MINGW64 /c/Data/projects/assign/counter
$ ./gradlew bootRun
:compileJava UP-TO-DATE
:processResources UP-TO-DATE
:classes UP-TO-DATE
:findMainClass
:bootRun

13:09:58,524 |INFO| in org.springframework.boot.logging.logback.SpringBootJoranC
onfigurator@44d74990 - Registering current configuration as safe fallback point

=====
:: Counter REST Service :: Spring Boot :: (v1.5.6.RELEASE)
31-Aug-2017 13:09:59.012 [main] INFO a.c.i.s.c.CounterServerBoot - Starting Cou
nterServerBoot on AUSYDN0H484967 with PID 54816 (C:\Data\projects\assign\counter
\build\libs\counter-server-boot-0.1.0.jar started by rjavaria in C:\Data\project
s\assign\counter)
```

- 4) Testing of Task1: Search the following texts, which will return the counts respectively.

Request:

```
$ curl http://localhost:8081/counter-api/search -H "Authorization: Basic b3B0dXM6Y2FuZGlkYXRlcw==" -H
"Content-Type: application/json" -d '{"searchText": ["Duis", "Sed", "Donec", "Augue", "Pellentesque",
"123"]}' -X POST
```

OR

```
curl http://localhost:8081/api/counter/search -H "Authorization: Basic b3B0dXM6Y2FuZGlkYXRlcw==" -H "Content-Type: application/json" -d '{"searchText": ["Duis", "Sed", "Donec", "Augue", "Pellentesque", "123"]}' -X POST
```

Response:

```
{"counts":{"Augue":7,"Duis":11,"123":0,"Pellentesque":6,"Sed":16,"Donec":8}}
```

```
rjavaria@AUSYDN0H484967 MINGW64 ~
$ curl http://localhost:8081/counter-api/search -H "Authorization: Basic b3B0dXM6Y2FuZGlkYXRlcw==" -H "Content-Type: application/json" -d '{"searchText": ["Duis", "Sed", "Donec", "Augue", "Pellentesque", "123"]}' -X POST
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left     Speed
100  148    0   76  100    72    76    72  0:00:01 --:--:-- 0:00:01 1897{"counts":{"Augue":7,"Duis":11,"123":0,"Pellentesque":6,"Sed":16,"Donec":8}}
```

- 5) Testing of Task2: Provide the top 20 (as Path Variable) Texts, which has the highest counts in the Sample Paragraphs provided.

Request:

```
curl http://localhost:8081/counter-api/top/20 -H "Authorization: Basic b3B0dXM6Y2FuZGlkYXRlcw==" -H "Accept: text/csv"
```

Response:

```
eg|17,vel|17,sed|16,in|15,et|14,eu|13,ut|13,sit|12,nulla|12,metus|12,amet|12,id|12,ac|12,ipsum|11,duis|11,nec|11,vitae|11,at|11,dolor|10,non|10
```

```
rjavaria@AUSYDN0H484967 MINGW64 ~
$ curl http://localhost:8081/counter-api/top/20 -H "Authorization: Basic b3B0dXM6Y2FuZGlkYXRlcw==" -H "Accept: text/csv"
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left     Speed
100  145  100   145    0    0   145    0  0:00:01 --:--:-- 0:00:01 9062eg|17,vel|17,sed|16,in|15,et|14,eu|13,ut|13,sit|12,nulla|12,metus|12,amet|12,id|12,ac|12,ipsum|11,duis|11,nec|11,vitae|11,at|11,dolor|10,non|10
```

- 6) Authentication failed case.

```
rjavaria@AUSYDN0H484967 MINGW64 ~
$ curl http://localhost:8081/counter-api/search -H "Authorization: Basic b3B0dXM6Y2FuZGlkYXRlcw==" -H "Content-Type: application/json" -d '{"searchText": ["Duis", "Sed", "Donec", "Augue", "Pellentesque", "123"]}' -X POST
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left     Speed
100  192    0  120  100    72   120    72  0:00:01 --:--:-- 0:00:01 12800{"timestamp":1504095446618,"status":401,"error":"Unauthorized","message":"Bad credentials","path":"/counter-api/search"}
```