

Credit Card Validator

This REST API build in Spring boot with Test Cases (JUnit + Mockito)

1. mvn clean
2. mvn test
3. mvn clean install
4. Go to the target folder
5. java -jar CreditCardValidator-0.0.1-SNAPSHOT.jar
6. Verify your RESTful call.

URL : localhost:8080/CreditCardValidatorApp/creditCard/

I have already deployed this app on **cloud** so you can directly check below public URL :

<http://35.199.149.201:7070/CreditCardValidatorApp/creditCard>

Test cases 1 :

Input :

```
{  
  "cardNumber": "5127657160767608",  
  "expiryDate": "01/20"  
}
```

Output :

```
{  
  "responseCode": 200,  
  "responseMessage": "Your Credit Card is Valid",  
  "errorDiscription": "",  
  "httpHeaders": {  
    "Location": [  
      "http://localhost:8080/CreditCardValidatorApp/creditCard"  
    ]  
  },  
  "error": false
```

```
}
```

Test cases 2 :

Input :

```
{  
"cardNumber": "3227657160767608",  
"expiryDate": "01/20"  
}
```

Output :

```
{  
"responseCode": 422,  
"responseMessage": "Credit Card Validation Fail",  
"errorDiscription": "Only Visa/Mastercard are Accepted",  
"httpHeaders": {  
"Location": [  
"http://localhost:8080/CreditCardValidatorApp/creditCard"  
]  
},  
"error": true  
}
```

Test cases 3 :

Input :

```
{  
"cardNumber": "5127657160767608",  
"expiryDate": "010/200"  
}
```

Output :

```
{  
"responseCode": 422,  
"responseMessage": "Credit Card Validation Fail",  
"errorDiscription": "Invalid Expiration Date or Date is Expired",  
"httpHeaders": {
```

```
"Location": [  
  "http://localhost:8080/CreditCardValidatorApp/creditCard"  
],  
"error": true  
}
```

Test cases 4 :

Input :

```
{  
  "cardNumber": "4788384538552446",  
  "expiryDate": "10/20"  
}
```

Output :

```
{  
  "responseCode": 422,  
  "responseMessage": "Credit Card Validation Fail",  
  "errorDiscription": "The Credit Card Number You Provided is in Blacklist",  
  "httpHeaders": {  
    "Location": [  
      "http://localhost:8080/CreditCardValidatorApp/creditCard"  
    ]  
  },  
  "error": true  
}
```

Test cases 4 :

Input :

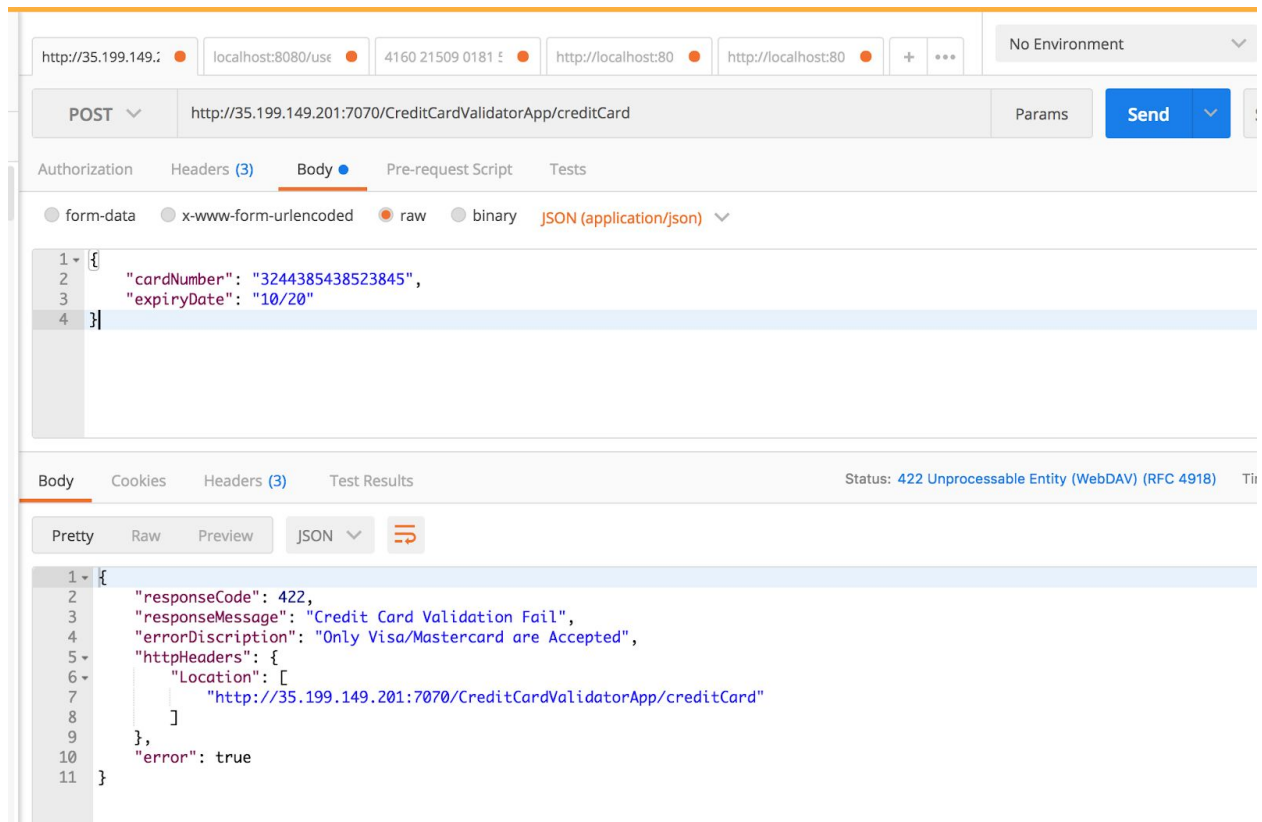
```
{  
  "cardNumber": "",  
  "expiryDate": ""  
}
```

Output :

```
{
  "responseCode": 422,
  "responseMessage": "Credit Card Validation Fail",
  "errorDiscription": "Credit Card Number or Date found Empty",
  "httpHeaders": {
    "Location": [
      "http://localhost:8080/CreditCardValidatorApp/creditCard"
    ]
  },
  "error": true
}
```

Screenshot are attached in below :

Public url Testing :



Local Url Testing :

localhost:8080/Cre

localhost:8080/use

4160 21509 0181

http://localhost:80

http://localhost:80

+

...

POST localhost:8080/CreditCardValidatorApp/creditCard/

AuthorizationHeaders (3)BodyPre-request ScriptTests

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

1 {

2 "cardNumber": "5127657160767608",

3 "expiryDate": "11/20"

4 }

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewJSON

1 {

2 "responseCode": 200,

3 "responseMessage": "Your Credit Card is Valid",

4 "errorDiscription": "",

5 "httpHeaders": {

6 "Location": [

7 "http://localhost:8080/CreditCardValidatorApp/creditCard"

8]

9 },

10 "error": false

11 }

localhost:8080/Cre

localhost:8080/use

4160 21509 0181

http://localhost:80

http://localhost:80

+

...

No Environm

POST

localhost:8080/CreditCardValidatorApp/creditCard/

Params

Authorization

Headers (3)

Body

Pre-request Script

Tests

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

1 {

2 "cardNumber": "3127657160767608",

3 "expiryDate": "11/20"

4 }

Body

Cookies

Headers (3)

Test Results

Status: 422 Unprocessable Entity (We

Pretty

Raw

Preview

JSON

1 {

2 "responseCode": 422,

3 "responseMessage": "Credit Card Validation Fail",

4 "errorDiscription": "Only Visa/Mastercard are Accepted",

5 "httpHeaders": {

6 "Location": [

7 "http://localhost:8080/CreditCardValidatorApp/creditCard"

8]

9 },

10 "error": true

11 }

localhost:8080/Cre localhost:8080/use 4160 21509 0181 http://localhost:80 http://localhost:80 + ... No Env

POST localhost:8080/CreditCardValidatorApp/creditCard/ Param

Authorization Headers (3) Body Pre-request Script Tests

☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary JSON (application/json)

```
1 {
2   "cardNumber": "5127657160767608",
3   "expiryDate": "110/202"
4 }
```

Body Cookies Headers (3) Test Results Status: 422 Unprocessable Entity

Pretty Raw Preview JSON

```
1 {
2   "responseCode": 422,
3   "responseMessage": "Credit Card Validation Fail",
4   "errorDiscription": "Invalid Expiration Date or Date is Expired",
5   "httpHeaders": {
6     "Location": [
7       "http://localhost:8080/CreditCardValidatorApp/creditCard"
8     ]
9   },
10  "error": true
11 }
```

localhost:8080/Cre localhost:8080/use 4160 21509 0181 € http://localhost:80 http://localhost:80 + ... No Environme

POST localhost:8080/CreditCardValidatorApp/creditCard/ Params

Authorization Headers (3) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary JSON (application/json)

```
1 {  
2   "cardNumber": "",  
3   "expiryDate": ""  
4 }
```

Body Cookies Headers (3) Test Results Status: 422 Unprocessable Entity (Web

Pretty Raw Preview JSON

```
1 {  
2   "responseCode": 422,  
3   "responseMessage": "Credit Card Validation Fail",  
4   "errorDiscription": "Credit Card Number or Date found Empty",  
5   "httpHeaders": {  
6     "Location": [  
7       "http://localhost:8080/CreditCardValidatorApp/creditCard"  
8     ]  
9   },  
10  "error": true  
11 }
```


localhost:8080/Cre localhost:8080/use 4160 21509 0181 http://localhost:80 http://localhost:80 + ... NO Environment

POST localhost:8080/CreditCardValidatorApp/creditCard/ Params Send

Authorization Headers (3) Body Pre-request Script Tests

☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary JSON (application/json)

```
1 {
2   "cardNumber": "5144385438523845",
3   "expiryDate": "10/20"
4 }
```

Body Cookies Headers (3) Test Results Status: 422 Unprocessable Entity (WebDAV) (RFC)

Pretty Raw Preview JSON

```
1 {
2   "responseCode": 422,
3   "responseMessage": "Credit Card Validation Fail",
4   "errorDiscription": "The Credit Card Number You Provided is in Blacklist",
5   "httpHeaders": {
6     "Location": [
7       "http://localhost:8080/CreditCardValidatorApp/creditCard"
8     ]
9   },
10  "error": true
11 }
```