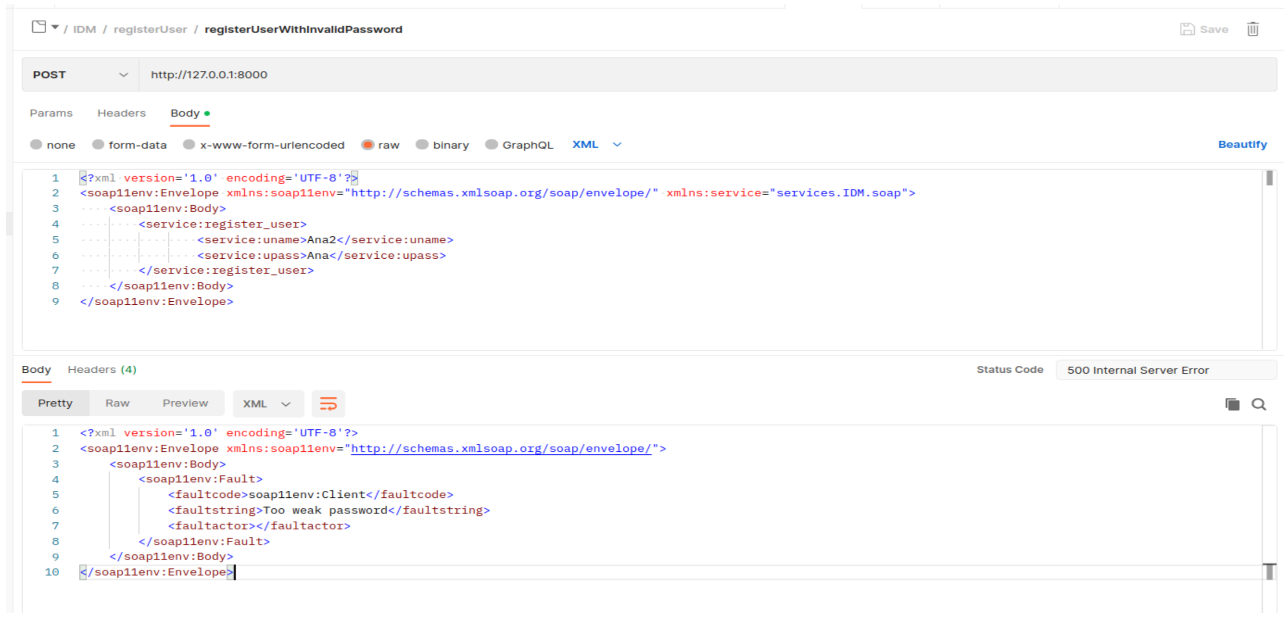
POSTMAN REQUESTS

IDM

1.1 Register user with invalid password

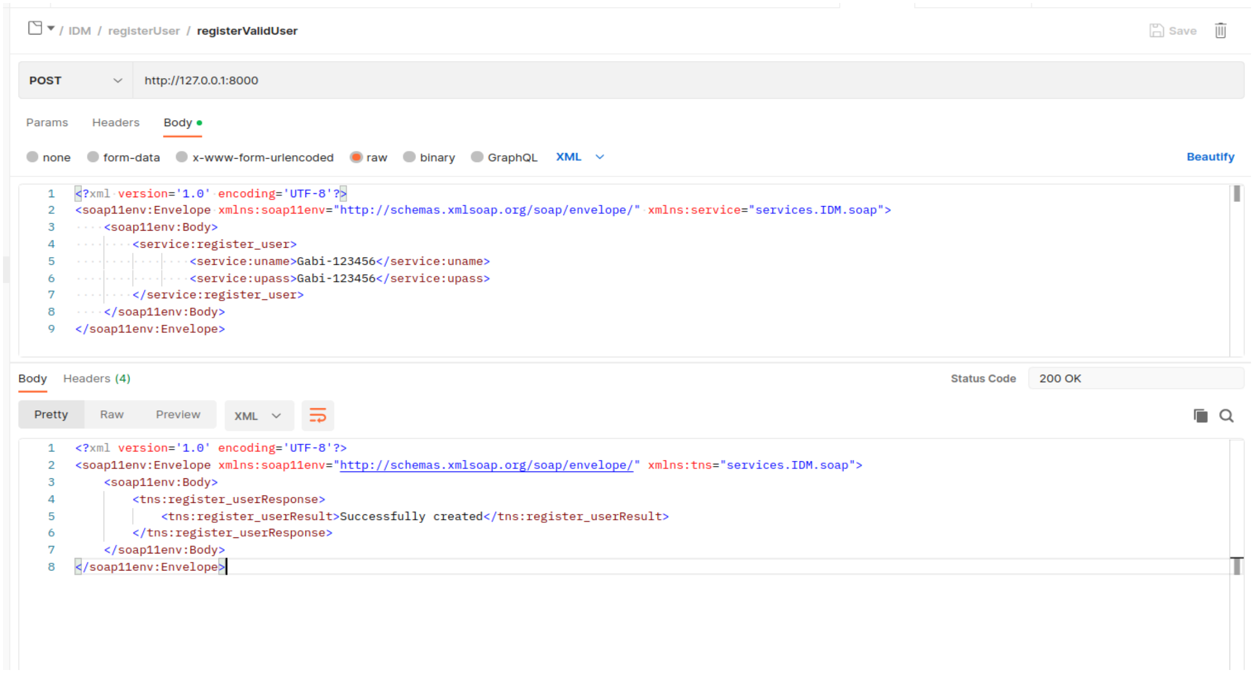


```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:register_user>
                <service:uname>Ana2</service:uname>
                <service:upass>Ana</service:upass>
        </service:register_user>
    </soap11env:Body>
</soap11env:Envelope>
```

Status Code 500 Internal Server Error

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/">
    <soap11env:Body>
        <soap11env:Fault>
            <faultcode>soap11env:Client</faultcode>
            <faultstring>Too weak password</faultstring>
            <faultactor></faultactor>
        </soap11env:Fault>
    </soap11env:Body>
</soap11env:Envelope>
```

1.2 Register valid user



/ IDM / registerUser / registerValidUser

Save

POST http://127.0.0.1:8000

Params Headers Body

none form-data x-www-form-urlencoded [✓ raw] binary GraphQL XML

Beautify

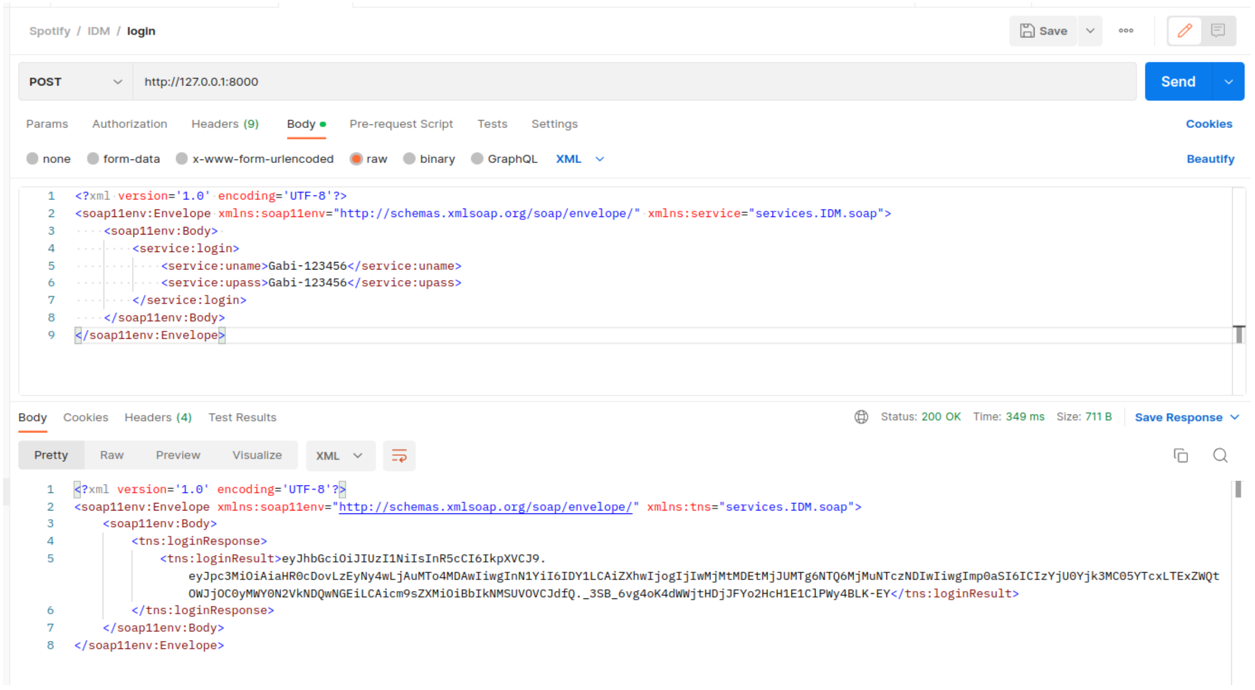
```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:register_user>
                <service:uname>Gabi-123456</service:uname>
                <service:upass>Gabi-123456</service:upass>
        </service:register_user>
    </soap11env:Body>
</soap11env:Envelope>
```

Body Headers (4) Status Code 200 OK

Pretty Raw Preview XML

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap">
    <soap11env:Body>
        <tns:register_userResponse>
            <tns:register_userResult>Successfully created</tns:register_userResult>
        </tns:register_userResponse>
    </soap11env:Body>
</soap11env:Envelope>
```

1.3 Successfully login



Spotify / IDM / login

Save

POST http://127.0.0.1:8000

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Cookies

none form-data x-www-form-urlencoded [✓ raw] binary GraphQL XML

Beautify

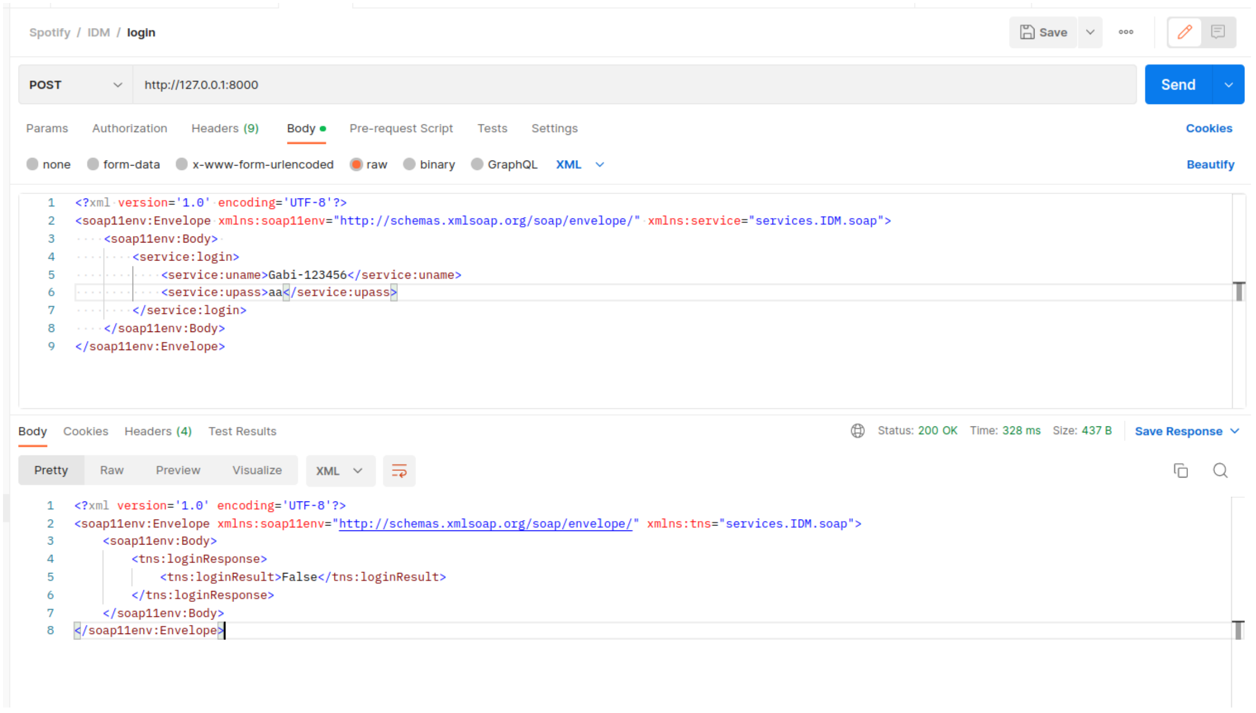
```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:login>
            <service:uname>Gabi-123456</service:uname>
            <service:upass>Gabi-123456</service:upass>
        </service:login>
    </soap11env:Body>
</soap11env:Envelope>
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 349 ms Size: 711 B Save Response

Pretty Raw Preview Visualize XML

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap">
    <soap11env:Body>
        <tns:loginResponse>
            <tns:loginResult>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDY1LCAiZXhwIjogIjIwMjMtMDEtMjJUMTg6NTQ6MjMuNTczNDIwIiwgImp0aSI6ICIzYjU0Yjk3MC05YTcxLTExZWQt
                OWJjOC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkNMSUVOVCJdfQ._3SB_6vg4oK4dWWjtHDjJFYo2HcH1E1ClPWy4BLK-EY</tns:loginResult>
        </tns:loginResponse>
    </soap11env:Body>
</soap11env:Envelope>
```

1.4 Unsuccessfully login


Spotify / IDM / login

POST http://127.0.0.1:8000

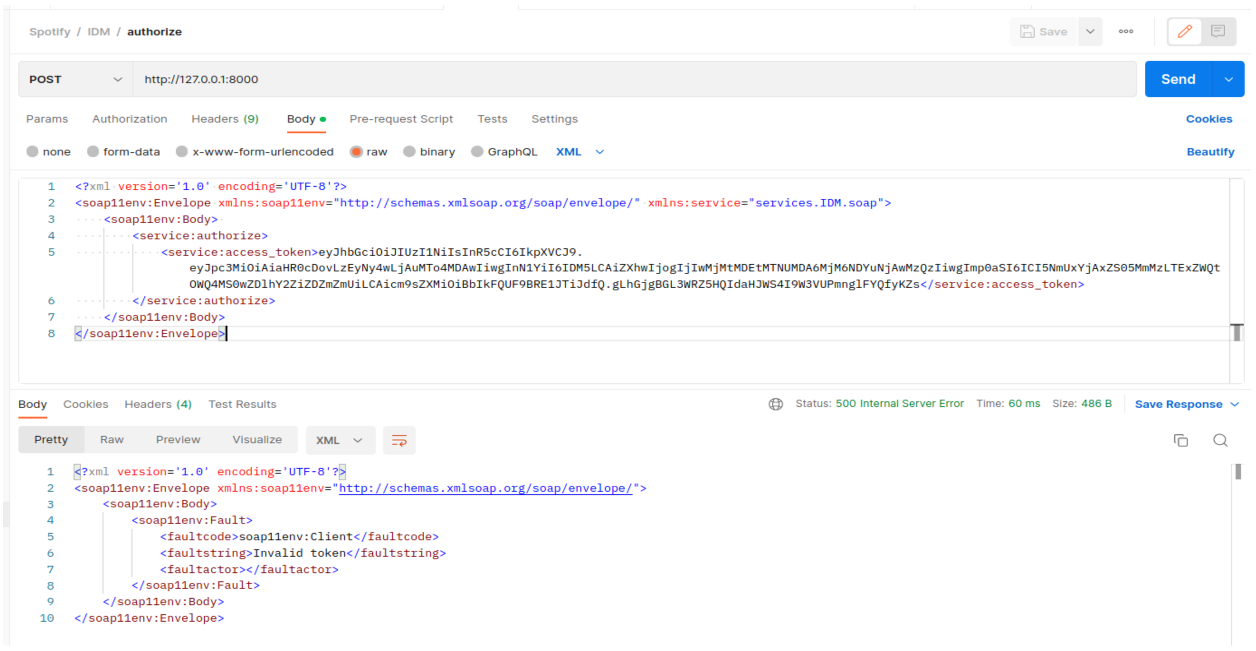
Body: raw, XML

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:login>
            <service:uname>Gabi-123456</service:uname>
            <service:upass>aa</service:upass>
        </service:login>
    </soap11env:Body>
</soap11env:Envelope>
```

Status: 200 OK Time: 328 ms Size: 437 B

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap">
    <soap11env:Body>
        <tns:loginResponse>
            <tns:loginResult>False</tns:loginResult>
        </tns:loginResponse>
    </soap11env:Body>
</soap11env:Envelope>
```

1.5 Authorize → expired token


Spotify / IDM / authorize

POST http://127.0.0.1:8000

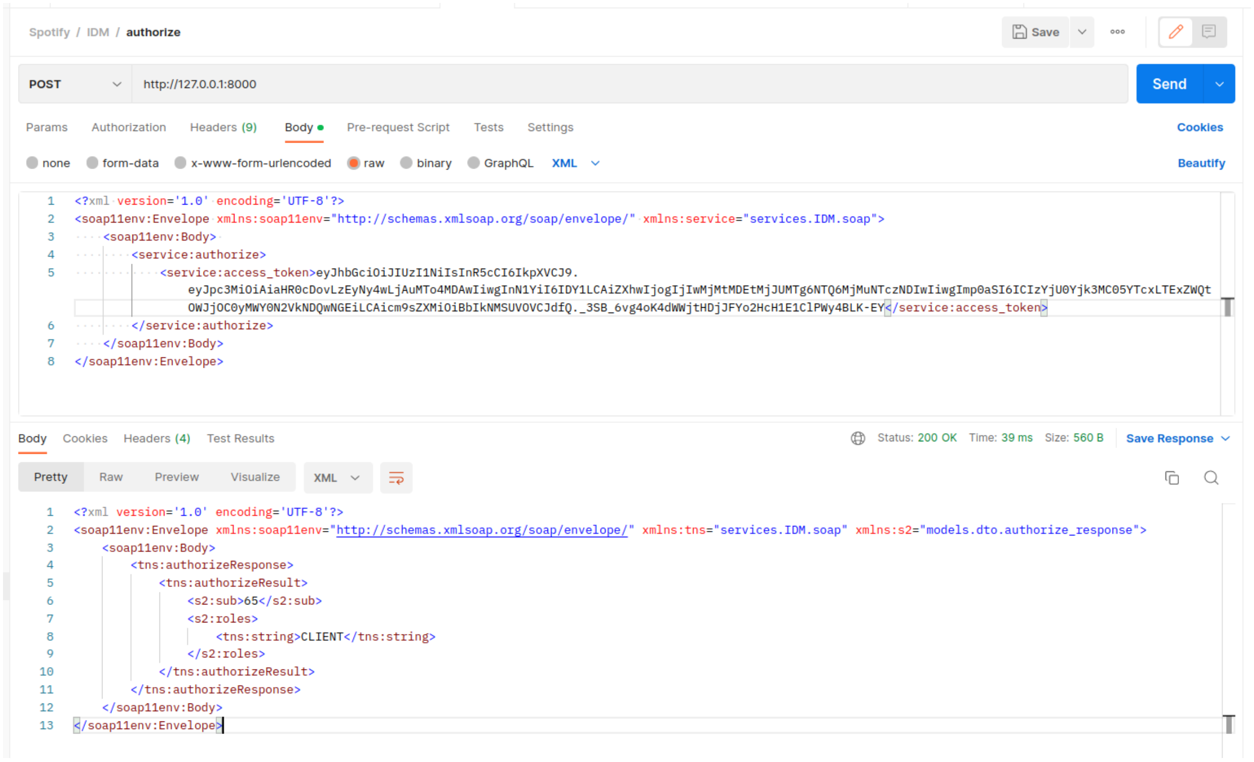
Body: raw, XML

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:authorize>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM5LCAiZXhwIjogIjIwMjMtMDEtMTNUMDA6MjM6NDYuNjAwMzQzIiwgImp0aSI6ICI5NmUxYjAxZS05MmMzLTExZWQt
                OWQ4MS0wZDlhY2ZiZDZmZmUiLCAicm9sZXMiOiBbIkFQUF9BRE1JTiJdfQ.gLhGjgBGL3WRZ5HQIdaHJWS4I9W3VUPmnglFYQfyKZs</service:access_token>
        </service:authorize>
    </soap11env:Body>
</soap11env:Envelope>
```

Status: 500 Internal Server Error Time: 60 ms Size: 486 B

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/">
    <soap11env:Body>
        <soap11env:Fault>
            <faultcode>soap11env:Client</faultcode>
            <faultstring>Invalid token</faultstring>
            <faultactor></faultactor>
        </soap11env:Fault>
    </soap11env:Body>
</soap11env:Envelope>
```

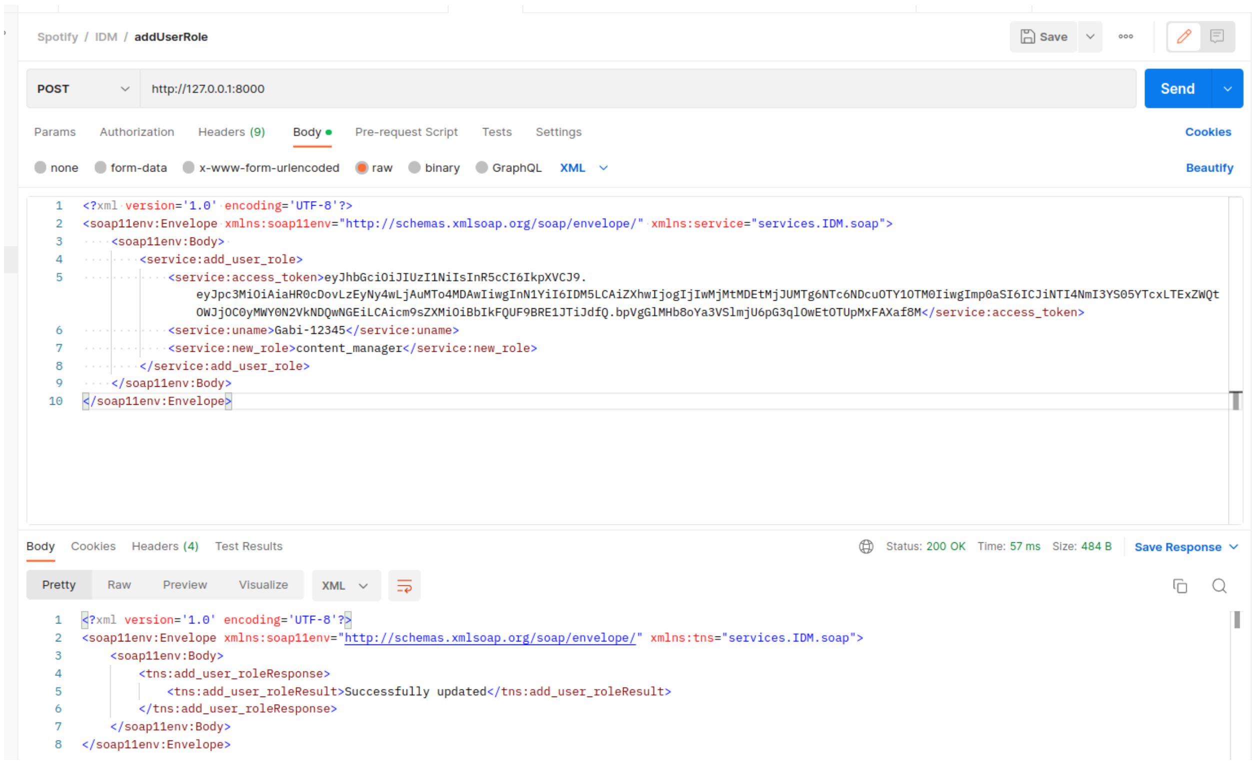
1.6 Authorize → valid token



```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:authorize>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDY1LCAiZXhwIjogIjIwMjMtMDEtMjJUMTg6NTQ6MjMuNTczNDIwIiwgImp0aSI6ICIzYjU0Yjk3MC05YTcxLTExZWQt
                OWJjOC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkNMSUVOVCJdfQ._3SB_6vg4oK4dWWjtHDjJFYo2HcH1E1ClPWy4BLK-EY</service:access_token>
        </service:authorize>
    </soap11env:Body>
</soap11env:Envelope>
```

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap" xmlns:s2="models.dto.authorize_response">
    <soap11env:Body>
        <tns:authorizeResponse>
            <tns:authorizeResult>
                <s2:sub>65</s2:sub>
                <s2:roles>
                    <tns:string>CLIENT</tns:string>
                </s2:roles>
            </tns:authorizeResult>
        </tns:authorizeResponse>
    </soap11env:Body>
</soap11env:Envelope>
```

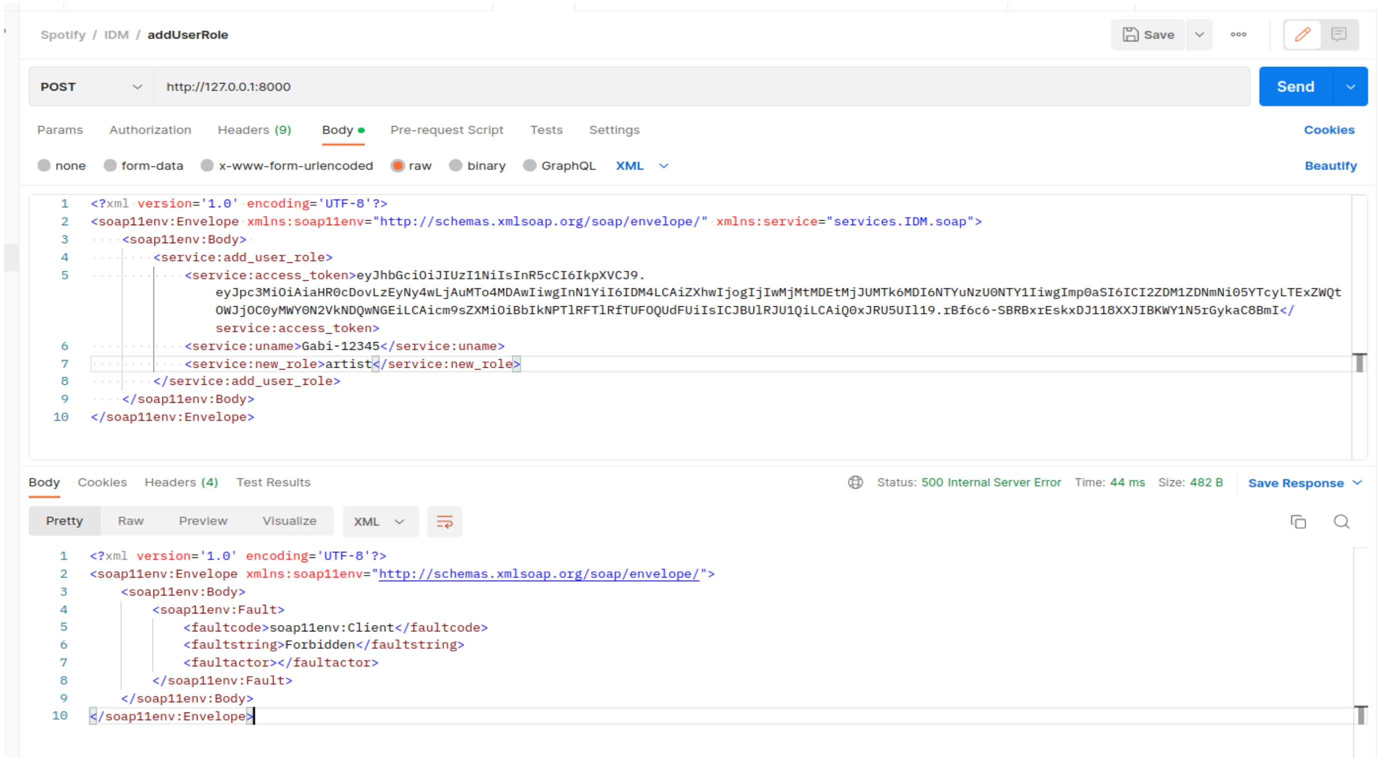
1.7 Admin can update user roles (token for admin)



```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:add_user_role>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM5LCAiZXhwIjogIjIwMjMtMDEtMjJUMTg6NTc6NDcuOTY1OTM0IiwgImp0aSI6ICJiNTI4NmI3YS05YTcxLTExZWQt
                OWJjOC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkFQUF9BRE1JTiJdfQ.bpVgGlMHb8oYa3VSlmjU6pG3qlOwEtOTUpMxFAXaf8M</service:access_token>
            <service:uname>Gabi-12345</service:uname>
            <service:new_role>content_manager</service:new_role>
        </service:add_user_role>
    </soap11env:Body>
</soap11env:Envelope>
```

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap">
    <soap11env:Body>
        <tns:add_user_roleResponse>
            <tns:add_user_roleResult>Successfully updated</tns:add_user_roleResult>
        </tns:add_user_roleResponse>
    </soap11env:Body>
</soap11env:Envelope>
```

1.8 Any other user cannot update user roles


Spotify / IDM / addUserRole

POST http://127.0.0.1:8000

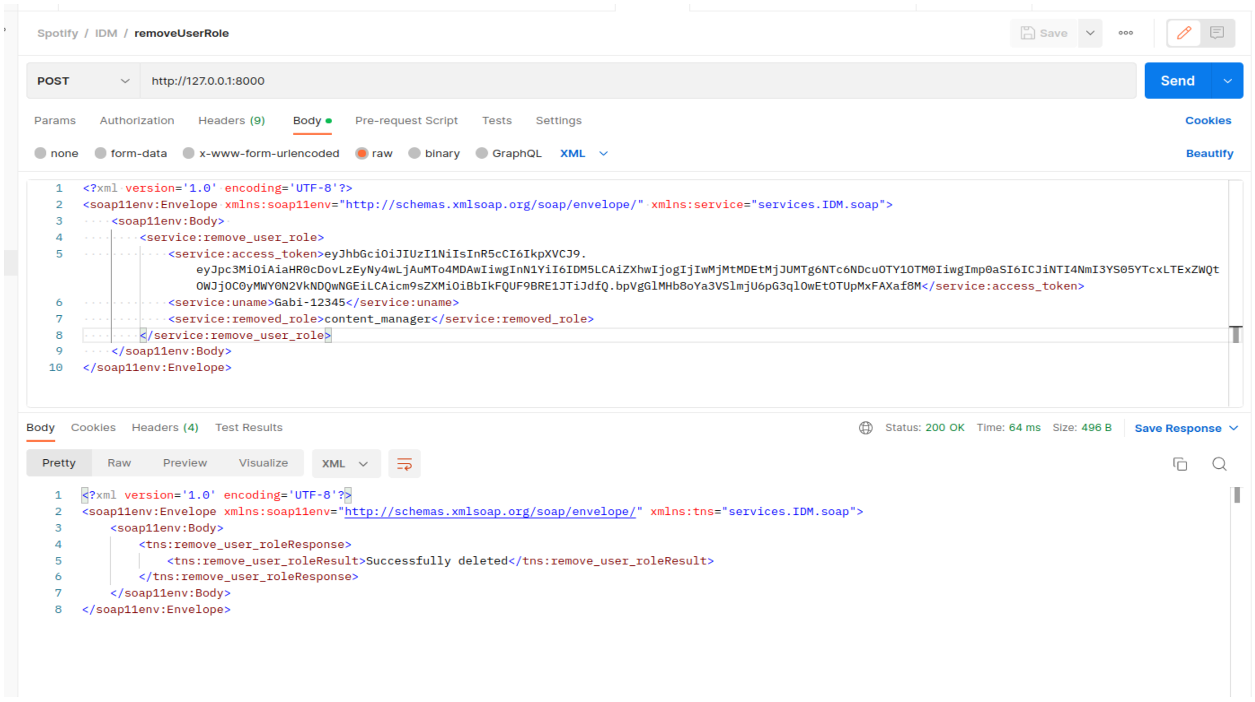
Body: raw, XML

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:add_user_role>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM4LCAiZXhwIjogIjIwMjMtMDEtMjJUMTk6MDI6NTYuNzU0NTY1IiwgImp0aSI6ICI2ZDM1ZDNmNi05YTcyLTExZWQt
                OWJjOC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkNPTlRFTlRfTUFOQUdFUiIsICJBUlRJU1QiLCAiQ0xJRU5UIl19.rBf6c6-SBRBxrEskxDJ118XXJIBKWY1N5rGykaC8BmI</
                service:access_token>
            <service:uname>Gabi-12345</service:uname>
            <service:new_role>artist</service:new_role>
        </service:add_user_role>
    </soap11env:Body>
</soap11env:Envelope>
```

Status: 500 Internal Server Error Time: 44 ms Size: 482 B

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/">
    <soap11env:Body>
        <soap11env:Fault>
            <faultcode>soap11env:Client</faultcode>
            <faultstring>Forbidden</faultstring>
            <faultactor></faultactor>
        </soap11env:Fault>
    </soap11env:Body>
</soap11env:Envelope>
```

1.9 Admin can also remove user roles


Spotify / IDM / removeUserRole

POST http://127.0.0.1:8000

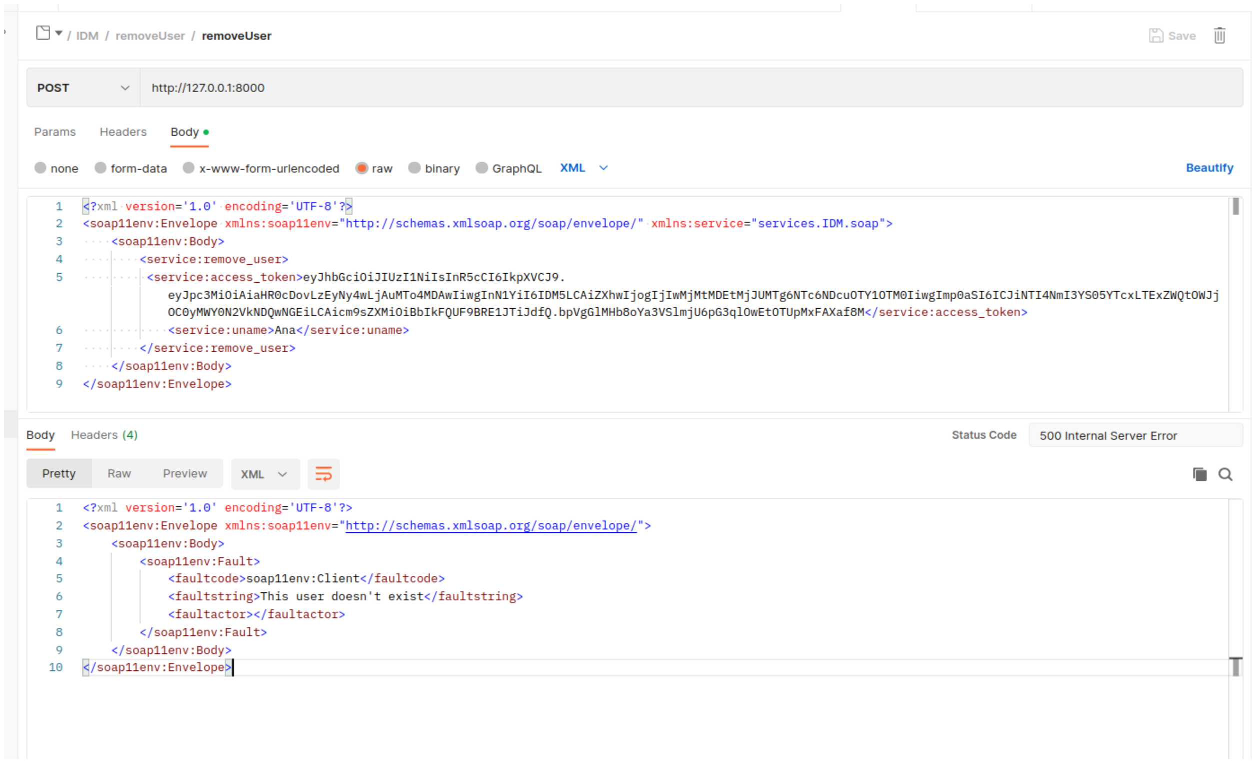
Body: raw, XML

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:remove_user_role>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM5LCAiZXhwIjogIjIwMjMtMDEtMjJUMTg6NTc6NDcuOTY1OTM0IiwgImp0aSI6ICJiNTI4NmI3YS05YTcxLTExZWQt
                OWJjOC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkFQUF9BRE1JTiJdfQ.bpVgGlMHb8oYa3VSlmjU6pG3qlOwEtOTUpMxFAXaf8M</service:access_token>
            <service:uname>Gabi-12345</service:uname>
            <service:removed_role>content_manager</service:removed_role>
        </service:remove_user_role>
    </soap11env:Body>
</soap11env:Envelope>
```

Status: 200 OK Time: 64 ms Size: 496 B

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap">
    <soap11env:Body>
        <tns:remove_user_roleResponse>
            <tns:remove_user_roleResult>Successfully deleted</tns:remove_user_roleResult>
        </tns:remove_user_roleResponse>
    </soap11env:Body>
</soap11env:Envelope>
```

1.10 Admin can remove users



POST http://127.0.0.1:8000

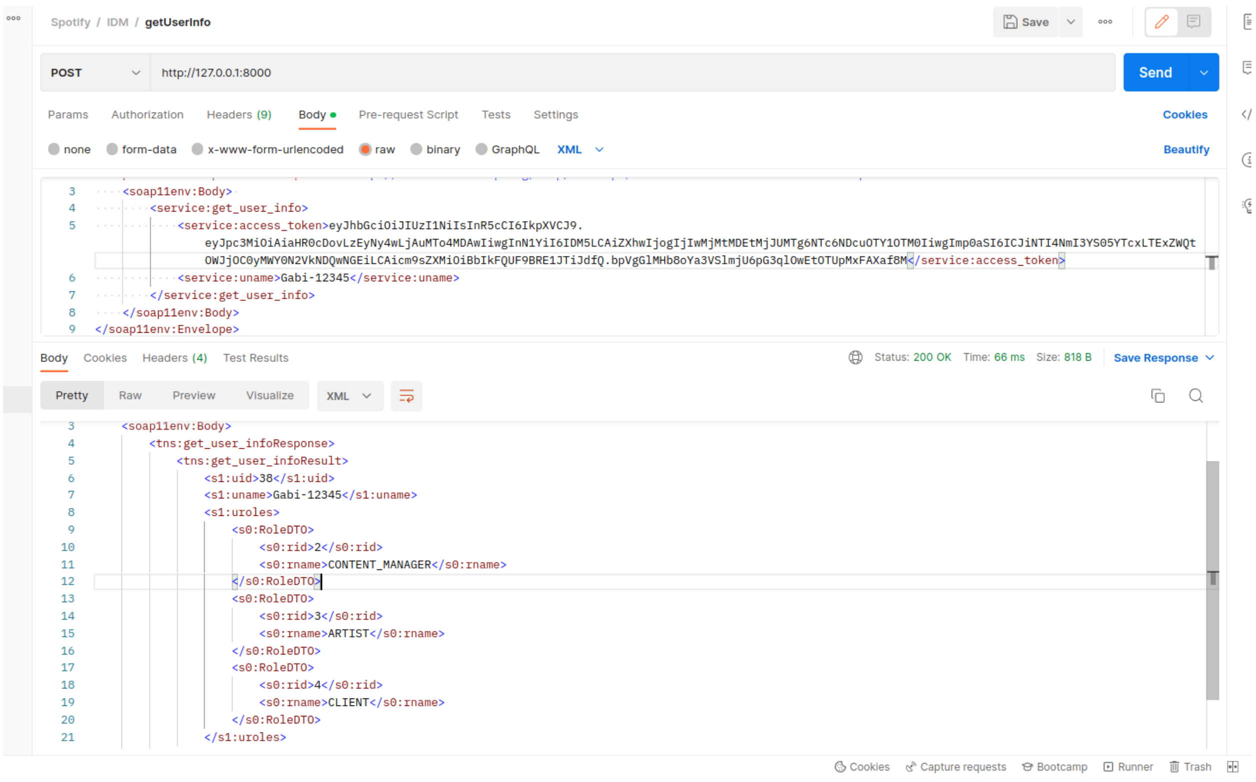
Body: [✓ raw] XML

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:remove_user>
         <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
            eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM5LCAiZXhwIjogIjIwMjMtMDEtMjJUMTg6NTc6NDcuOTY1OTM0IiwgImp0aSI6ICJiNTI4NmI3YS05YTcxLTExZWQtOWJj
            OC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkFQUF9BRE1JTiJdfQ.bpVgGlMHb8oYa3VSlmjU6pG3qlOwEtOTUpMxFAXaf8M</service:access_token>
            <service:uname>Ana</service:uname>
        </service:remove_user>
    </soap11env:Body>
</soap11env:Envelope>
```

Status Code 500 Internal Server Error

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/">
    <soap11env:Body>
        <soap11env:Fault>
            <faultcode>soap11env:Client</faultcode>
            <faultstring>This user doesn't exist</faultstring>
            <faultactor></faultactor>
        </soap11env:Fault>
    </soap11env:Body>
</soap11env:Envelope>
```

1.11 Get user info

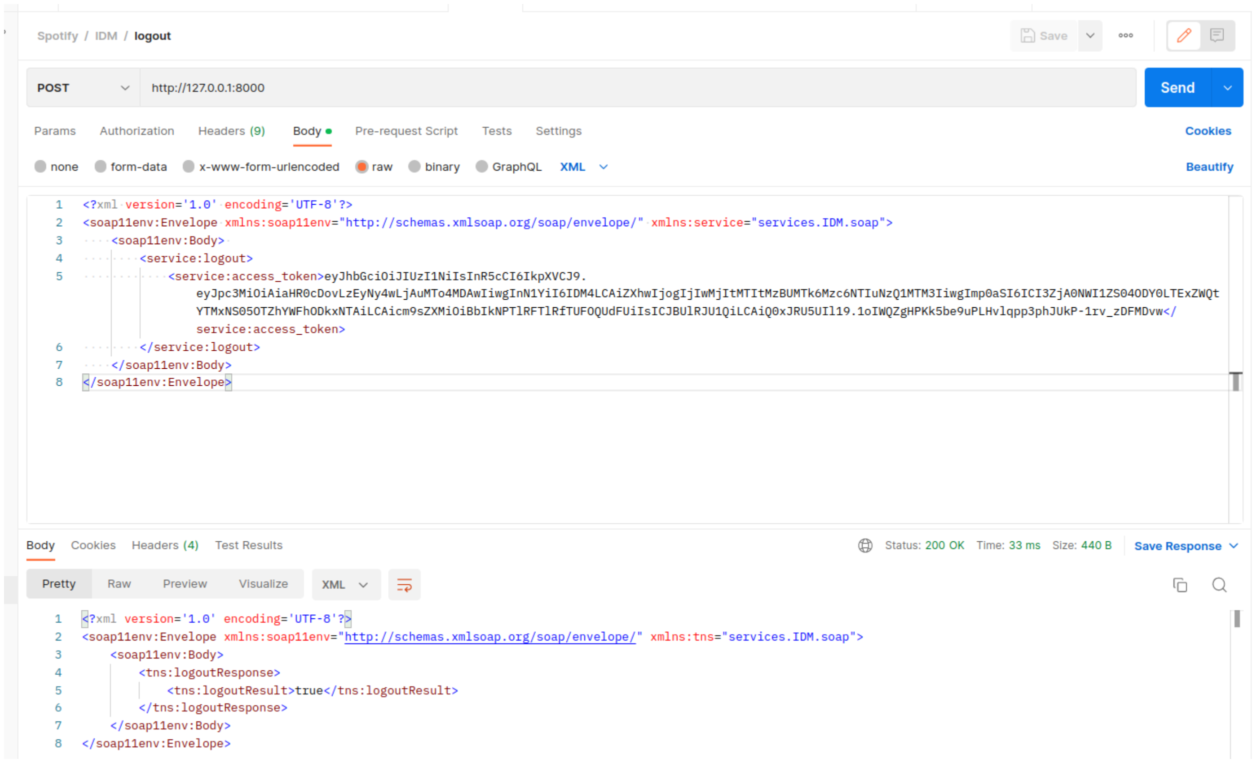


```
    <soap11env:Body>
        <service:get_user_info>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM5LCAiZXhwIjogIjIwMjMtMDEtMjJUMTg6NTc6NDcuOTY1OTM0IiwgImp0aSI6ICJiNTI4NmI3YS05YTcxLTExZWQt
                OWJjOC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkFQUF9BRE1JTiJdfQ.bpVgGlMHb8oYa3VSlmjU6pG3qlOwEtOTUpMxFAXaf8M</service:access_token>
            <service:uname>Gabi-12345</service:uname>
        </service:get_user_info>
    </soap11env:Body>
</soap11env:Envelope>
```

Status: 200 OK Time: 66 ms Size: 818 B

```
    <soap11env:Body>
        <tns:get_user_infoResponse>
            <tns:get_user_infoResult>
                <s1:uid>38</s1:uid>
                <s1:uname>Gabi-12345</s1:uname>
                <s1:uroles>
                    <s0:RoleDTO>
                        <s0:rid>2</s0:rid>
                        <s0:rname>CONTENT_MANAGER</s0:rname>
                    </s0:RoleDTO>
                    <s0:RoleDTO>
                        <s0:rid>3</s0:rid>
                        <s0:rname>ARTIST</s0:rname>
                    </s0:RoleDTO>
                    <s0:RoleDTO>
                        <s0:rid>4</s0:rid>
                        <s0:rname>CLIENT</s0:rname>
                    </s0:RoleDTO>
                </s1:uroles>
```

1.12 Logout

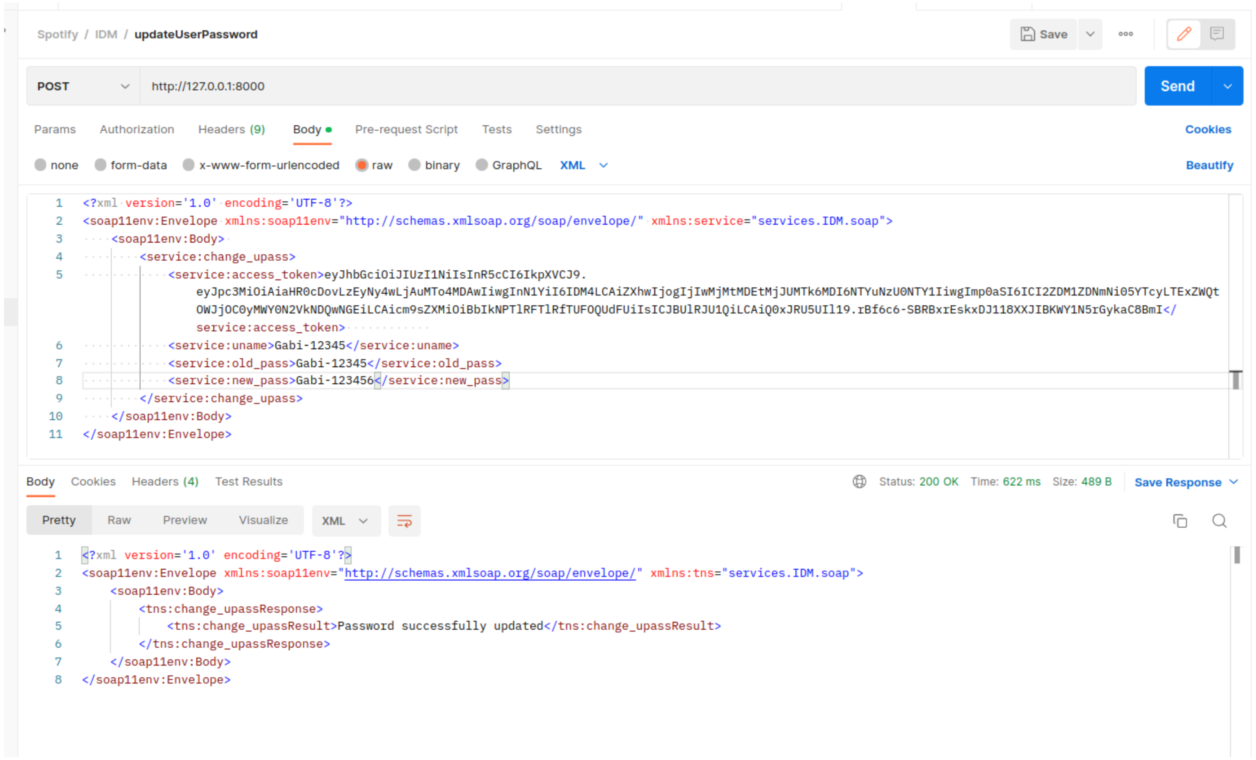


```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:logout>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM4LCAiZXhwIjogIjIwMjItMTItMzBUMTk6Mzc6NTIuNzQ1MTM3IiwgImp0aSI6ICI3ZjA0NWI1ZS04ODY0LTExZWQt
                YTMxNS05OTZhYWFhODkxNTAiLCAicm9sZXMiOiBbIkNPTlRFTlRfTUFOQUdFUiIsICJBUlRJU1QiLCAiQ0xJRU5UIl19.1oIWQZgHPKk5be9uPLHvlqpp3phJUkP-1rv_zDFMDvw</
                service:access_token>
        </service:logout>
    </soap11env:Body>
</soap11env:Envelope>
```

Status: 200 OK Time: 33 ms Size: 440 B

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap">
    <soap11env:Body>
        <tns:logoutResponse>
            <tns:logoutResult>true</tns:logoutResult>
        </tns:logoutResponse>
    </soap11env:Body>
</soap11env:Envelope>
```

1.13 Update user password

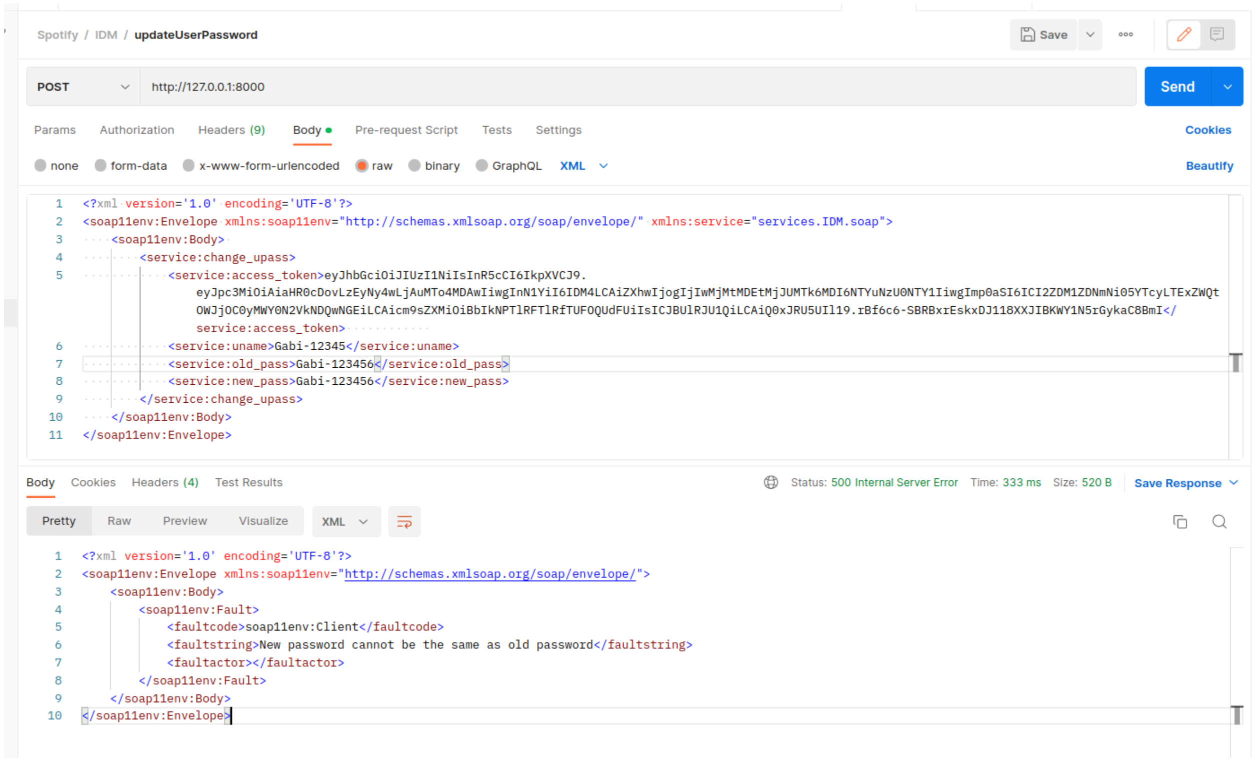


http://127.0.0.1:8000

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:change_upass>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM4LCAiZXhwIjogIjIwMjMtMDEtMjJUMTk6MDI6NTYuNzU0NTY1IiwgImp0aSI6ICI2ZDM1ZDNmNi05YTcyLTExZWQt
                OWJjOC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkNPTlRFTlRfTUFOQUdFUiIsICJBUlRJU1QiLCAiQ0xJRU5UIl19.rBf6c6-SBRBxrEskxDJ118XXJIBKWY1N5rGykaC8BmI</
                service:access_token>
            <service:uname>Gabi-12345</service:uname>
            <service:old_pass>Gabi-12345</service:old_pass>
            <service:new_pass>Gabi-123456</service:new_pass>
        </service:change_upass>
    </soap11env:Body>
</soap11env:Envelope>
```

Status: 200 OK Time: 622 ms Size: 489 B

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap">
    <soap11env:Body>
        <tns:change_upassResponse>
            <tns:change_upassResult>Password successfully updated</tns:change_upassResult>
        </tns:change_upassResponse>
    </soap11env:Body>
</soap11env:Envelope>
```



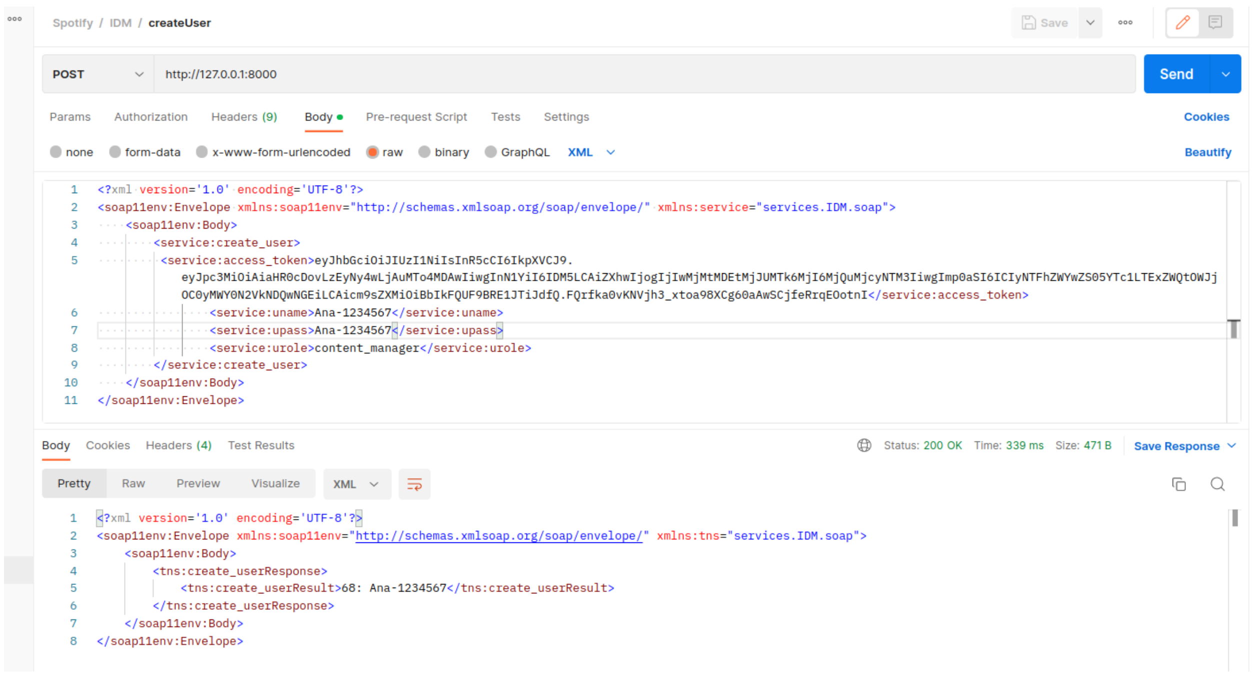
http://127.0.0.1:8000

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:change_upass>
            <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
                eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM4LCAiZXhwIjogIjIwMjMtMDEtMjJUMTk6MDI6NTYuNzU0NTY1IiwgImp0aSI6ICI2ZDM1ZDNmNi05YTcyLTExZWQt
                OWJjOC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkNPTlRFTlRfTUFOQUdFUiIsICJBUlRJU1QiLCAiQ0xJRU5UIl19.rBf6c6-SBRBxrEskxDJ118XXJIBKWY1N5rGykaC8BmI</
                service:access_token>
            <service:uname>Gabi-12345</service:uname>
            <service:old_pass>Gabi-123456</service:old_pass>
            <service:new_pass>Gabi-123456</service:new_pass>
        </service:change_upass>
    </soap11env:Body>
</soap11env:Envelope>
```

Status: 500 Internal Server Error Time: 333 ms Size: 520 B

```
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/">
    <soap11env:Body>
        <soap11env:Fault>
            <faultcode>soap11env:Client</faultcode>
            <faultstring>New password cannot be the same as old password</faultstring>
            <faultactor></faultactor>
        </soap11env:Fault>
    </soap11env:Body>
</soap11env:Envelope>
```

1.14 Admin can create new content managers

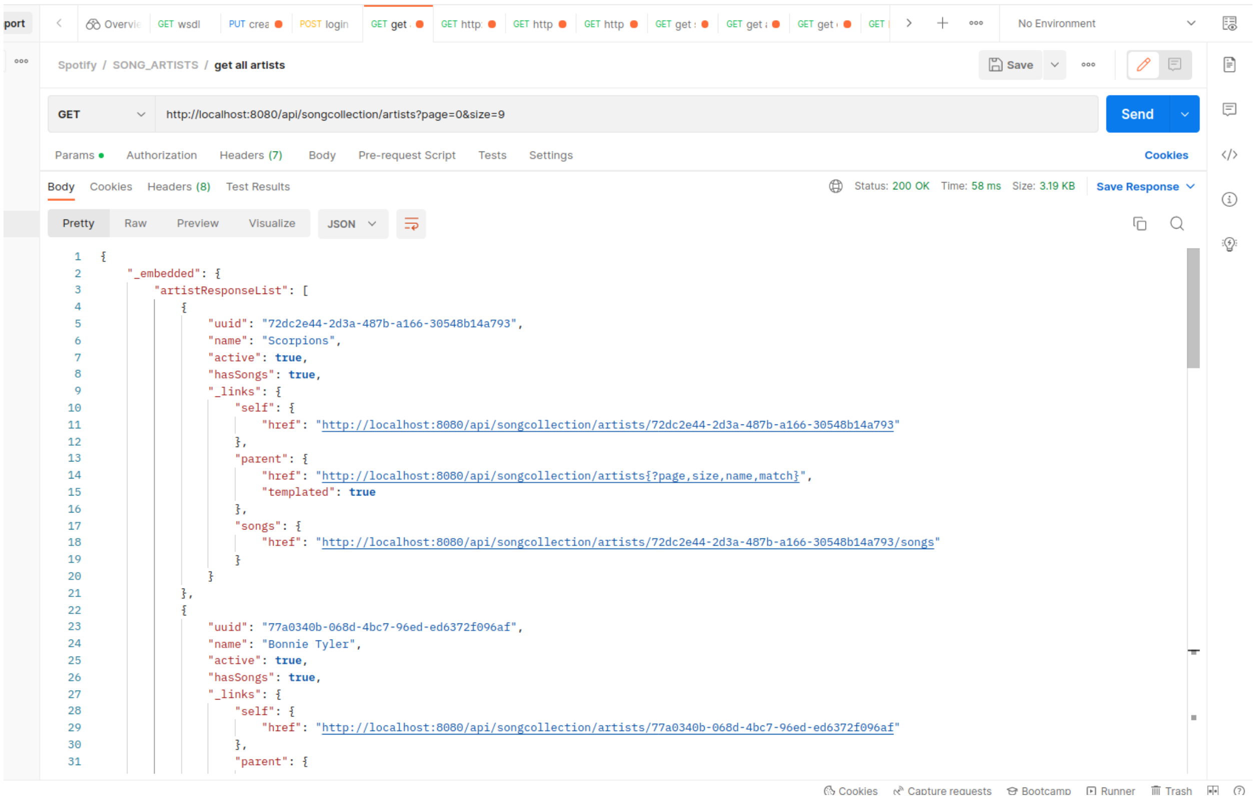


```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:service="services.IDM.soap">
    <soap11env:Body>
        <service:create_user>
        <service:access_token>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
            eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM5LCAiZXhwIjogIjIwMjMtMDEtMjJUMTk6MjI6MjQuMjcyNTM3IiwgImp0aSI6ICIyNTFhZWYwZS05YTc1LTExZWQtOWJj
            OC0yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkFQUF9BRE1JTiJdfQ.FQrfka0vKNVjh3_xtoa98XCg60aAwSCjfeRrqEOotnI</service:access_token>
                <service:uname>Ana-1234567</service:uname>
                <service:upass>Ana-1234567</service:upass>
                <service:urole>content_manager</service:urole>
        </service:create_user>
    </soap11env:Body>
</soap11env:Envelope>
```

```xml
<?xml version='1.0' encoding='UTF-8'?>
<soap11env:Envelope xmlns:soap11env="http://schemas.xmlsoap.org/soap/envelope/" xmlns:tns="services.IDM.soap">
    <soap11env:Body>
        <tns:create_userResponse>
            <tns:create_userResult>68: Ana-1234567</tns:create_userResult>
        </tns:create_userResponse>
    </soap11env:Body>
</soap11env:Envelope>
```

2. SONGS_ARTISTS

2.1 Get all artists(pageable)

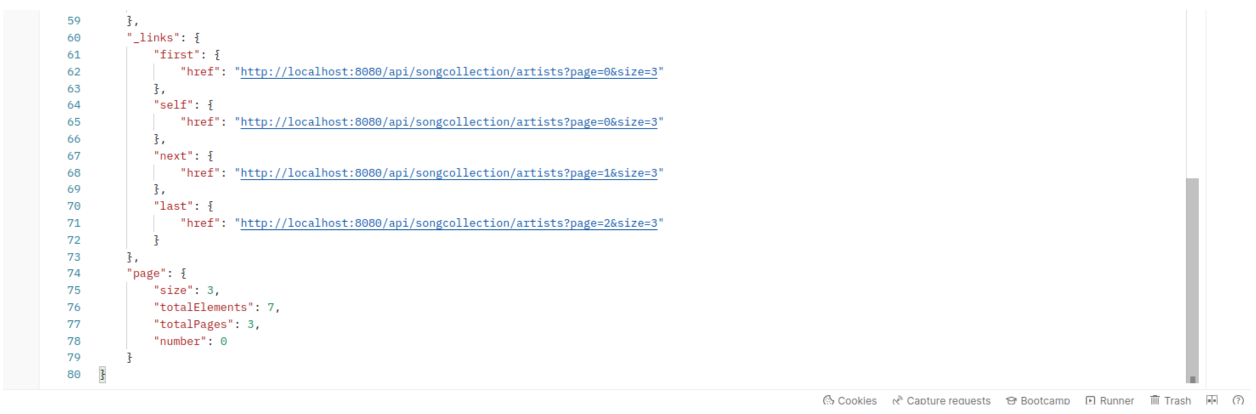


Spotify / SONG_ARTISTS / **get all artists**

GET http://localhost:8080/api/songcollection/artists?page=0&size=9

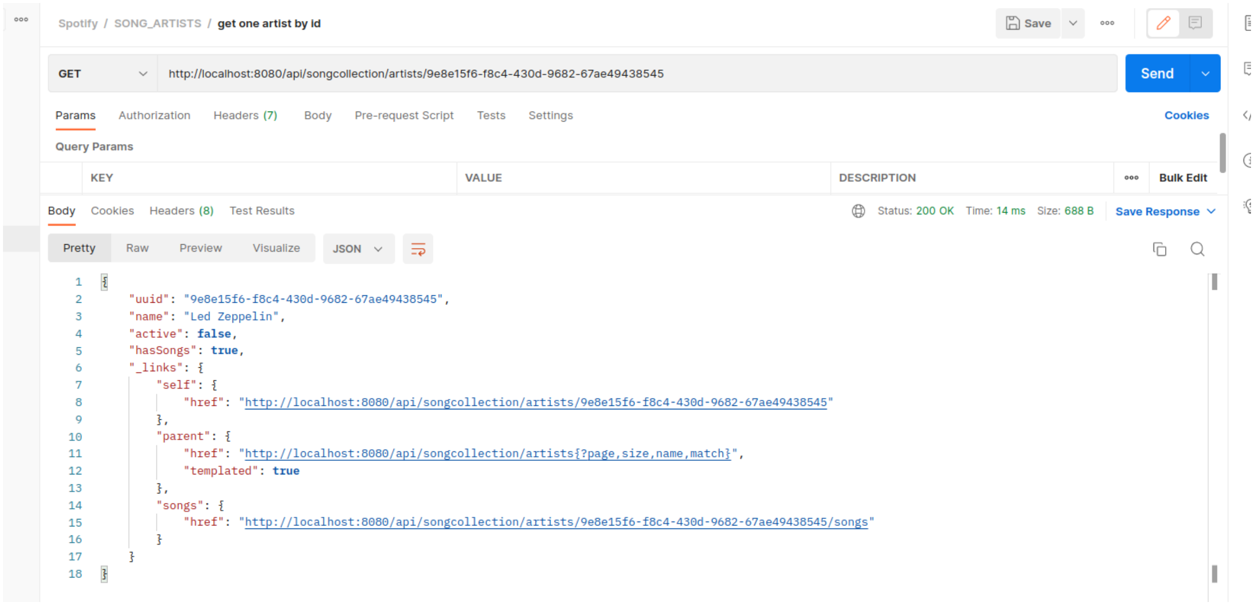
Status: 200 OK Time: 58 ms Size: 3.19 KB

```
{
    "_embedded": {
        "artistResponseList": [
            {
                "uuid": "72dc2e44-2d3a-487b-a166-30548b14a793",
                "name": "Scorpions",
                "active": true,
                "hasSongs": true,
                "_links": {
                    "self": {
                        "href": "http://localhost:8080/api/songcollection/artists/72dc2e44-2d3a-487b-a166-30548b14a793"
                    },
                    "parent": {
                        "href": "http://localhost:8080/api/songcollection/artists{?page,size,name,match}",
                        "templated": true
                    },
                    "songs": {
                        "href": "http://localhost:8080/api/songcollection/artists/72dc2e44-2d3a-487b-a166-30548b14a793/songs"
                    }
                }
            },
            {
                "uuid": "77a0340b-068d-4bc7-96ed-ed6372f096af",
                "name": "Bonnie Tyler",
                "active": true,
                "hasSongs": true,
                "_links": {
                    "self": {
                        "href": "http://localhost:8080/api/songcollection/artists/77a0340b-068d-4bc7-96ed-ed6372f096af"
                    },
                    "parent": {
```



```
    },
    "_links": {
        "first": {
            "href": "http://localhost:8080/api/songcollection/artists?page=0&size=3"
        },
        "self": {
            "href": "http://localhost:8080/api/songcollection/artists?page=0&size=3"
        },
        "next": {
            "href": "http://localhost:8080/api/songcollection/artists?page=1&size=3"
        },
        "last": {
            "href": "http://localhost:8080/api/songcollection/artists?page=2&size=3"
        }
    },
    "page": {
        "size": 3,
        "totalElements": 7,
        "totalPages": 3,
        "number": 0
    }
}
```

2.2 Get artist by UUID

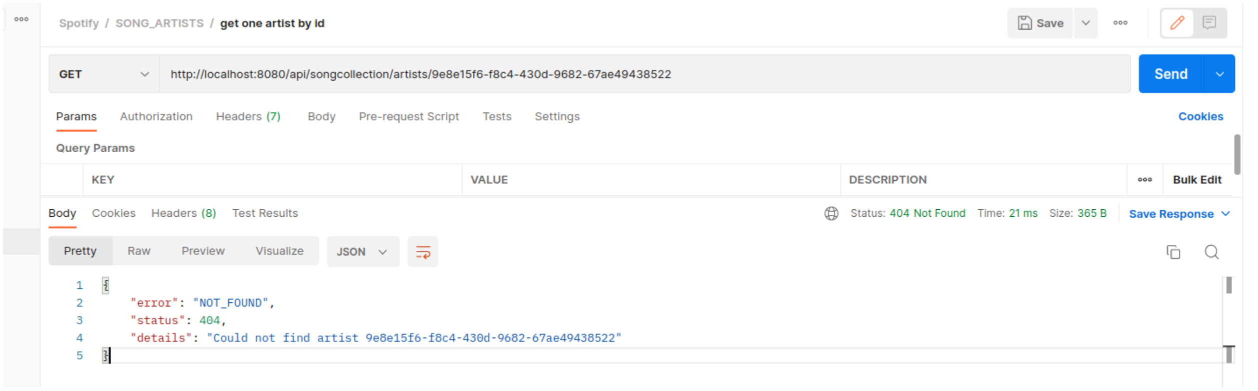


GET http://localhost:8080/api/songcollection/artists/9e8e15f6-f8c4-430d-9682-67ae49438545

Status: 200 OK Time: 14 ms Size: 688 B

```
{
    "uuid": "9e8e15f6-f8c4-430d-9682-67ae49438545",
    "name": "Led Zeppelin",
    "active": false,
    "hasSongs": true,
    "_links": {
        "self": {
            "href": "http://localhost:8080/api/songcollection/artists/9e8e15f6-f8c4-430d-9682-67ae49438545"
        },
        "parent": {
            "href": "http://localhost:8080/api/songcollection/artists{?page,size,name,match}",
            "templated": true
        },
        "songs": {
            "href": "http://localhost:8080/api/songcollection/artists/9e8e15f6-f8c4-430d-9682-67ae49438545/songs"
        }
    }
}
```

2.3 Get artist by UUID -> NOT FOUND

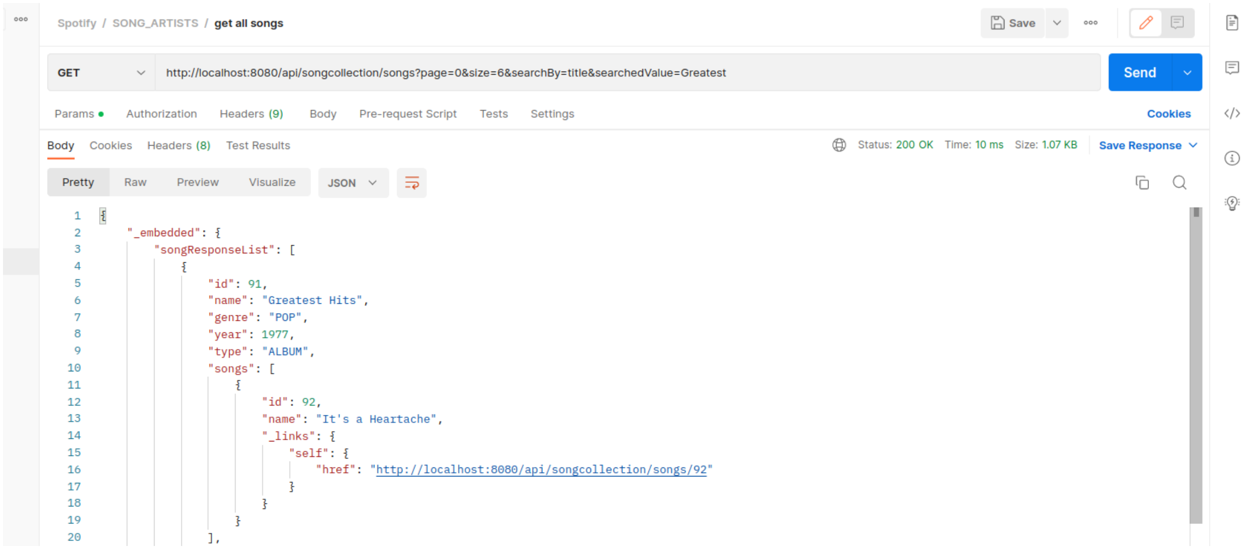


GET http://localhost:8080/api/songcollection/artists/9e8e15f6-f8c4-430d-9682-67ae49438522

Status: 404 Not Found Time: 21 ms Size: 365 B

```
{
    "error": "NOT_FOUND",
    "status": 404,
    "details": "Could not find artist 9e8e15f6-f8c4-430d-9682-67ae49438522"
}
```

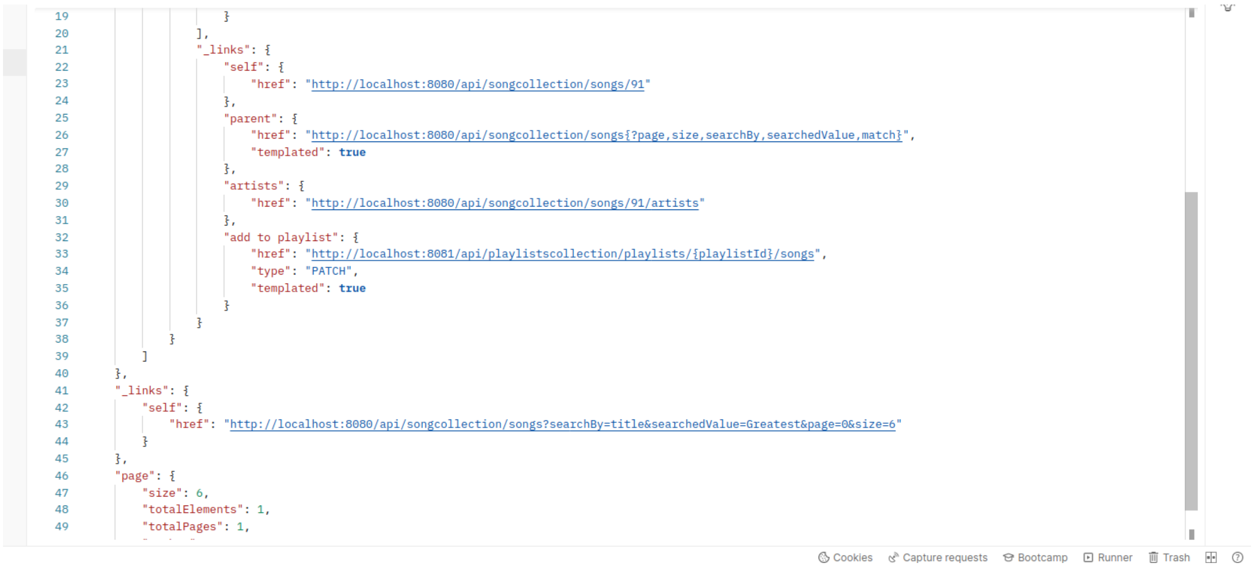
2.4 Get all songs - with valid query params



GET http://localhost:8080/api/songcollection/songs?page=0&size=6&searchBy=title&searchedValue=Greatest

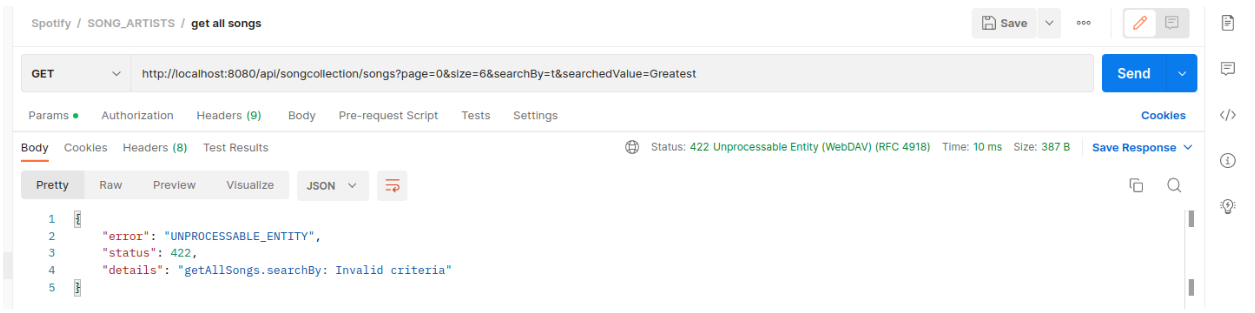
Status: 200 OK Time: 10 ms Size: 1.07 KB

```
{
    "_embedded": {
        "songResponseList": [
            {
                "id": 91,
                "name": "Greatest Hits",
                "genre": "POP",
                "year": 1977,
                "type": "ALBUM",
                "songs": [
                    {
                        "id": 92,
                        "name": "It's a Heartache",
                        "_links": {
                            "self": {
                                "href": "http://localhost:8080/api/songcollection/songs/92"
                            }
                        }
                    }
                ],
```



```
                    }
                ],
                "_links": {
                    "self": {
                        "href": "http://localhost:8080/api/songcollection/songs/91"
                    },
                    "parent": {
                        "href": "http://localhost:8080/api/songcollection/songs{?page,size,searchBy,searchedValue,match}",
                        "templated": true
                    },
                    "artists": {
                        "href": "http://localhost:8080/api/songcollection/songs/91/artists"
                    },
                    "add to playlist": {
                        "href": "http://localhost:8081/api/playlistscollection/playlists/{playlistId}/songs",
                        "type": "PATCH",
                        "templated": true
                    }
                }
            }
        ]
    },
    "_links": {
        "self": {
            "href": "http://localhost:8080/api/songcollection/songs?searchBy=title&searchedValue=Greatest&page=0&size=6"
        }
    },
    "page": {
        "size": 6,
        "totalElements": 1,
        "totalPages": 1,
```

2.5 Get all songs with invalid query params

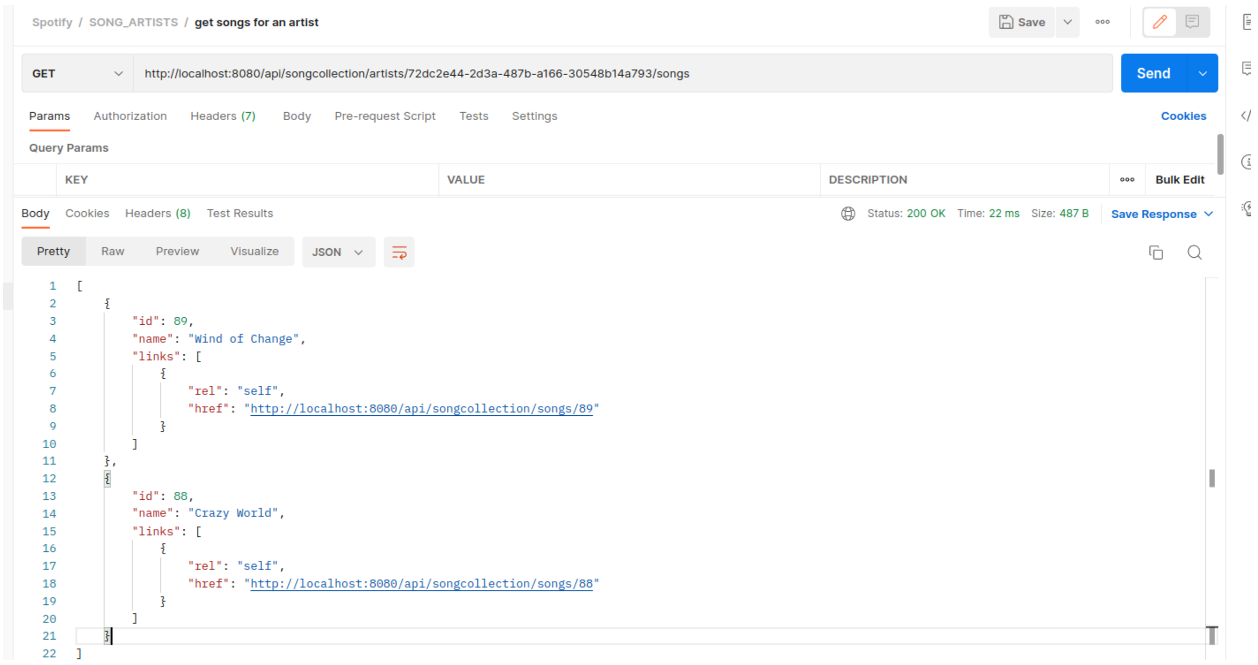


GET http://localhost:8080/api/songcollection/songs?page=0&size=6&searchBy=t&searchedValue=Greatest

Status: 422 Unprocessable Entity (WebDAV) (RFC 4918) Time: 10 ms Size: 387 B

```
{
    "error": "UNPROCESSABLE_ENTITY",
    "status": 422,
    "details": "getAllSongs.searchBy: Invalid criteria"
}
```

2.6 Get songs for an artist

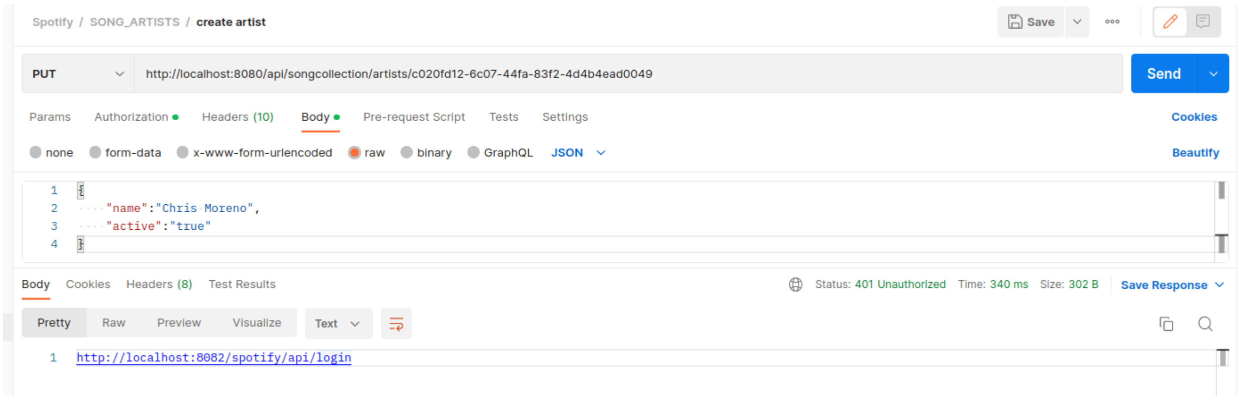

Spotify / SONG_ARTISTS / get songs for an artist

GET http://localhost:8080/api/songcollection/artists/72dc2e44-2d3a-487b-a166-30548b14a793/songs

Status: 200 OK Time: 22 ms Size: 487 B

```
[
    {
        "id": 89,
        "name": "Wind of Change",
        "links": [
            {
                "rel": "self",
                "href": "http://localhost:8080/api/songcollection/songs/89"
            }
        ]
    },
    {
        "id": 88,
        "name": "Crazy World",
        "links": [
            {
                "rel": "self",
                "href": "http://localhost:8080/api/songcollection/songs/88"
            }
        ]
    }
]
```

2.7 Create artist without auth header


Spotify / SONG_ARTISTS / create artist

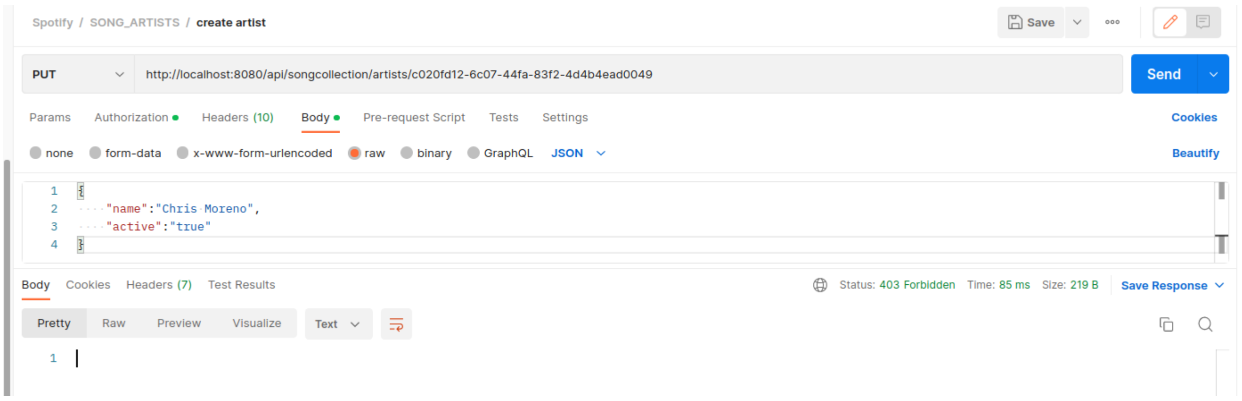
PUT http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049

```
{
    "name":"Chris Moreno",
    "active":"true"
}
```

Status: 401 Unauthorized Time: 340 ms Size: 302 B

```
http://localhost:8082/spotify/api/login
```

2.7 Create artist without being content manager



Spotify / SONG_ARTISTS / create artist

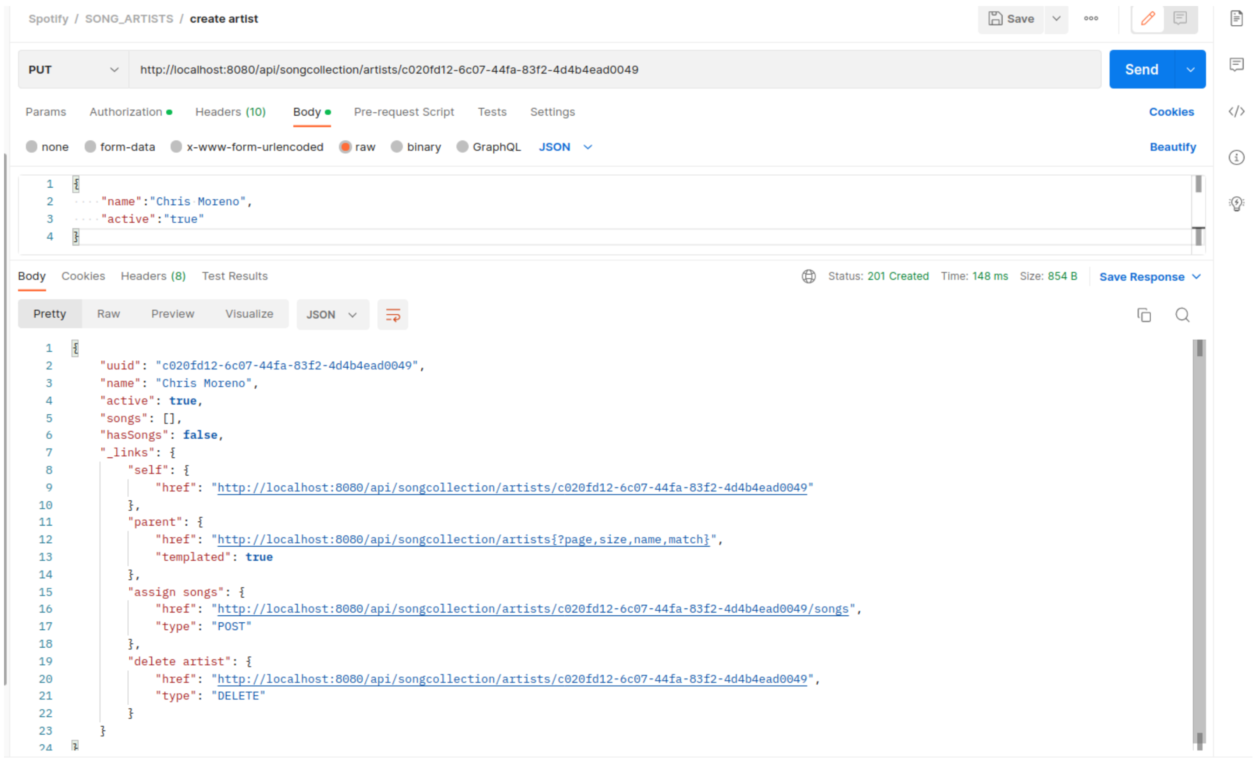
PUT http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049

Body: raw JSON

```
{
    "name":"Chris Moreno",
    "active":"true"
}
```

Status: 403 Forbidden Time: 85 ms Size: 219 B

2.8 Create artist being content manager



Spotify / SONG_ARTISTS / create artist

PUT http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049

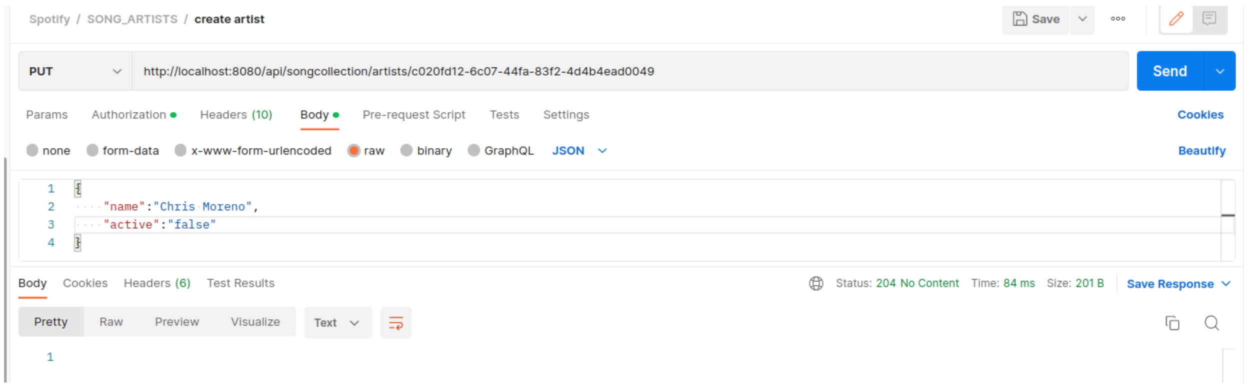
Body: raw JSON

```
{
    "name":"Chris Moreno",
    "active":"true"
}
```

Status: 201 Created Time: 148 ms Size: 854 B

```
{
    "uuid": "c020fd12-6c07-44fa-83f2-4d4b4ead0049",
    "name": "Chris Moreno",
    "active": true,
    "songs": [],
    "hasSongs": false,
    "_links": {
        "self": {
            "href": "http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049"
        },
        "parent": {
            "href": "http://localhost:8080/api/songcollection/artists{?page,size,name,match}",
            "templated": true
        },
        "assign songs": {
            "href": "http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049/songs",
            "type": "POST"
        },
        "delete artist": {
            "href": "http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049",
            "type": "DELETE"
        }
    }
}
```

2.9 Replace artist



PUT http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049

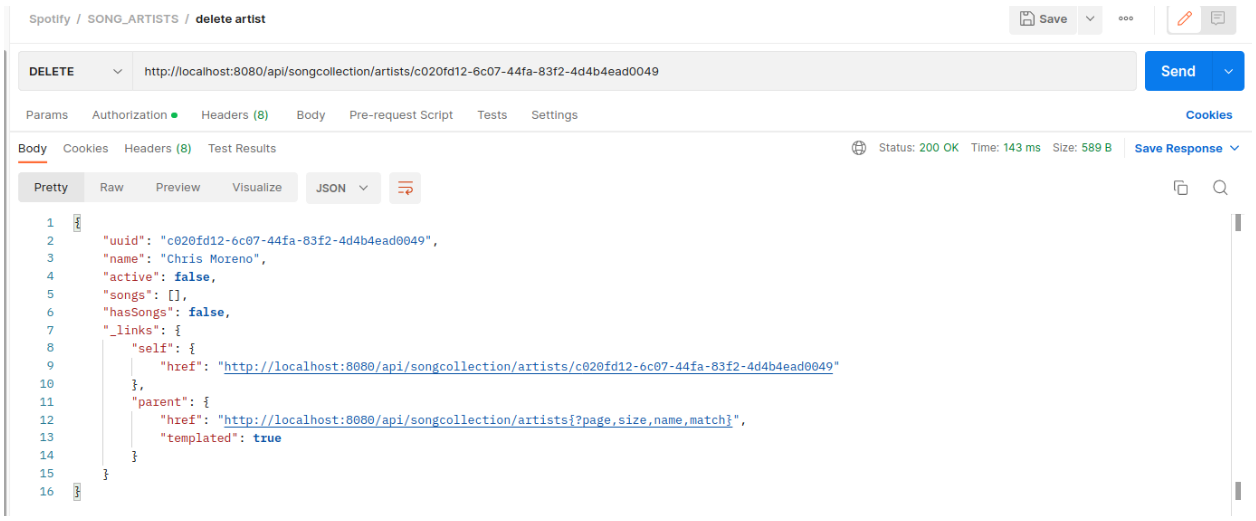
none | form-data | x-www-form-urlencoded | [✓ raw] | binary | GraphQL | JSON

```
{
    "name":"Chris Moreno",
    "active":"false"
}
```

Body | Cookies | Headers (6) | Test Results — Status: 204 No Content Time: 84 ms Size: 201 B

Pretty | Raw | Preview | Visualize | Text

2.10 Delete artist



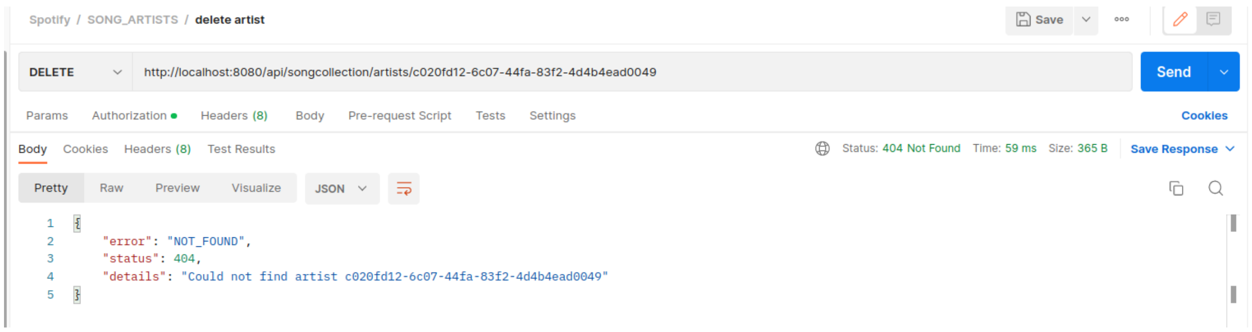
DELETE http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049

Body | Cookies | Headers (8) | Test Results — Status: 200 OK Time: 143 ms Size: 589 B

JSON

```
{
    "uuid": "c020fd12-6c07-44fa-83f2-4d4b4ead0049",
    "name": "Chris Moreno",
    "active": false,
    "songs": [],
    "hasSongs": false,
    "_links": {
        "self": {
            "href": "http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049"
        },
        "parent": {
            "href": "http://localhost:8080/api/songcollection/artists{?page,size,name,match}",
            "templated": true
        }
    }
}
```

2.11 Delete nonexistent artist



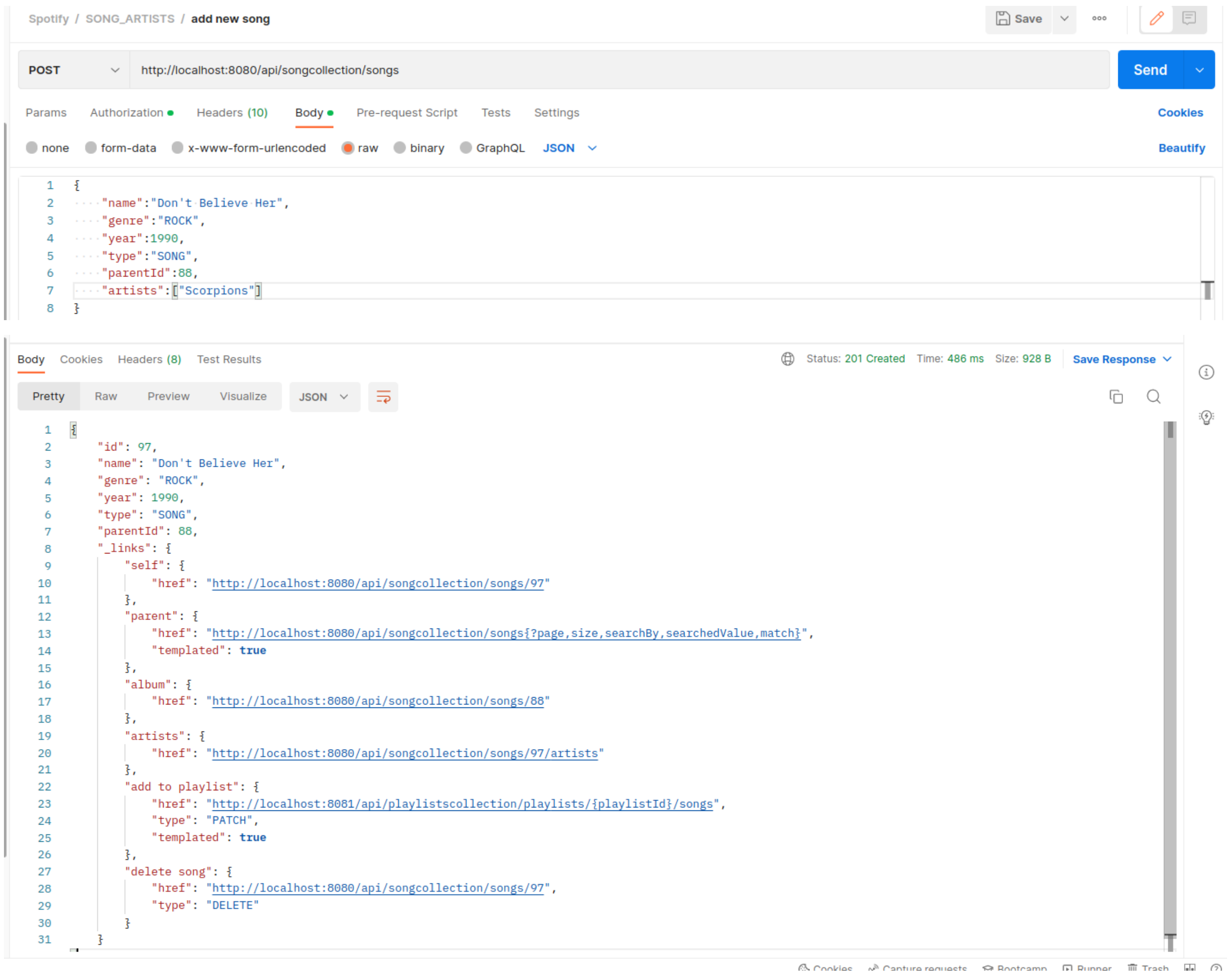
DELETE http://localhost:8080/api/songcollection/artists/c020fd12-6c07-44fa-83f2-4d4b4ead0049

Body | Cookies | Headers (8) | Test Results — Status: 404 Not Found Time: 59 ms Size: 365 B

JSON

```
{
    "error": "NOT_FOUND",
    "status": 404,
    "details": "Could not find artist c020fd12-6c07-44fa-83f2-4d4b4ead0049"
}
```

2.12 Add new song



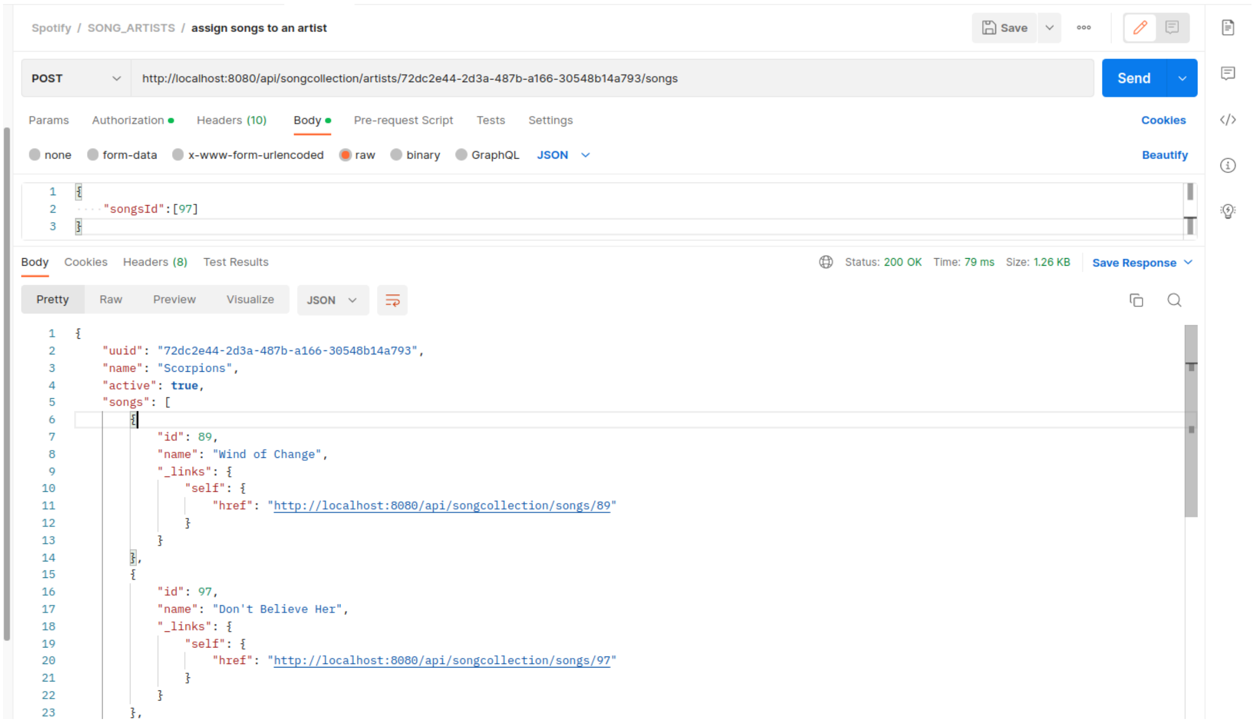
POST http://localhost:8080/api/songcollection/songs

```
{
    "name":"Don't Believe Her",
    "genre":"ROCK",
    "year":1990,
    "type":"SONG",
    "parentId":88,
    "artists":["Scorpions"]
}
```

Status: 201 Created Time: 486 ms Size: 928 B

```
{
    "id": 97,
    "name": "Don't Believe Her",
    "genre": "ROCK",
    "year": 1990,
    "type": "SONG",
    "parentId": 88,
    "_links": {
        "self": {
            "href": "http://localhost:8080/api/songcollection/songs/97"
        },
        "parent": {
            "href": "http://localhost:8080/api/songcollection/songs{?page,size,searchBy,searchedValue,match}",
            "templated": true
        },
        "album": {
            "href": "http://localhost:8080/api/songcollection/songs/88"
        },
        "artists": {
            "href": "http://localhost:8080/api/songcollection/songs/97/artists"
        },
        "add to playlist": {
            "href": "http://localhost:8081/api/playlistscollection/playlists/{playlistId}/songs",
            "type": "PATCH",
            "templated": true
        },
        "delete song": {
            "href": "http://localhost:8080/api/songcollection/songs/97",
            "type": "DELETE"
        }
    }
}
```

2.13 Assign song to artist



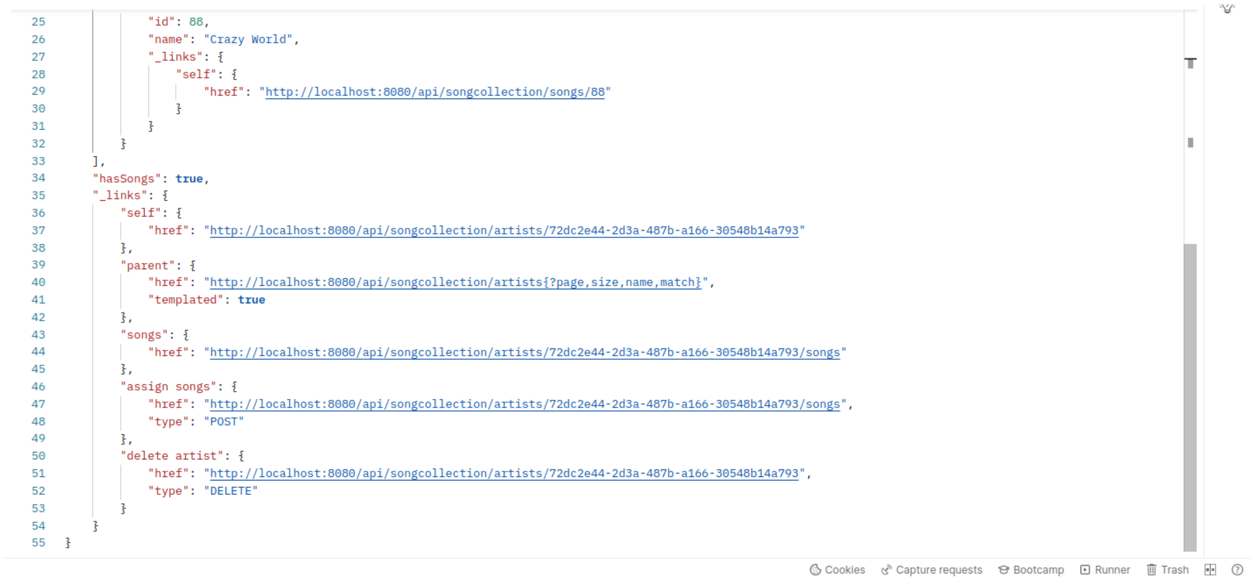
Spotify / SONG_ARTISTS / **assign songs to an artist**

POST http://localhost:8080/api/songcollection/artists/72dc2e44-2d3a-487b-a166-30548b14a793/songs

```
{
    "songsId":[97]
}
```

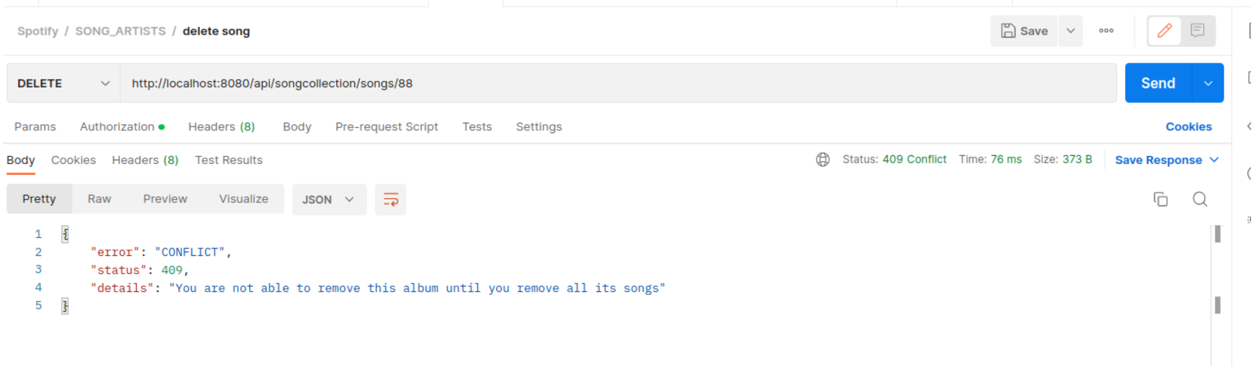
Status: 200 OK Time: 79 ms Size: 1.26 KB

```
{
    "uuid": "72dc2e44-2d3a-487b-a166-30548b14a793",
    "name": "Scorpions",
    "active": true,
    "songs": [
        {
            "id": 89,
            "name": "Wind of Change",
            "_links": {
                "self": {
                    "href": "http://localhost:8080/api/songcollection/songs/89"
                }
            }
        },
        {
            "id": 97,
            "name": "Don't Believe Her",
            "_links": {
                "self": {
                    "href": "http://localhost:8080/api/songcollection/songs/97"
                }
            }
        },
```



```
            "id": 88,
            "name": "Crazy World",
            "_links": {
                "self": {
                    "href": "http://localhost:8080/api/songcollection/songs/88"
                }
            }
        }
    ],
    "hasSongs": true,
    "_links": {
        "self": {
            "href": "http://localhost:8080/api/songcollection/artists/72dc2e44-2d3a-487b-a166-30548b14a793"
        },
        "parent": {
            "href": "http://localhost:8080/api/songcollection/artists{?page,size,name,match}",
            "templated": true
        },
        "songs": {
            "href": "http://localhost:8080/api/songcollection/artists/72dc2e44-2d3a-487b-a166-30548b14a793/songs"
        },
        "assign songs": {
            "href": "http://localhost:8080/api/songcollection/artists/72dc2e44-2d3a-487b-a166-30548b14a793/songs",
            "type": "POST"
        },
        "delete artist": {
            "href": "http://localhost:8080/api/songcollection/artists/72dc2e44-2d3a-487b-a166-30548b14a793",
            "type": "DELETE"
        }
    }
}
```

2.14 Delete album

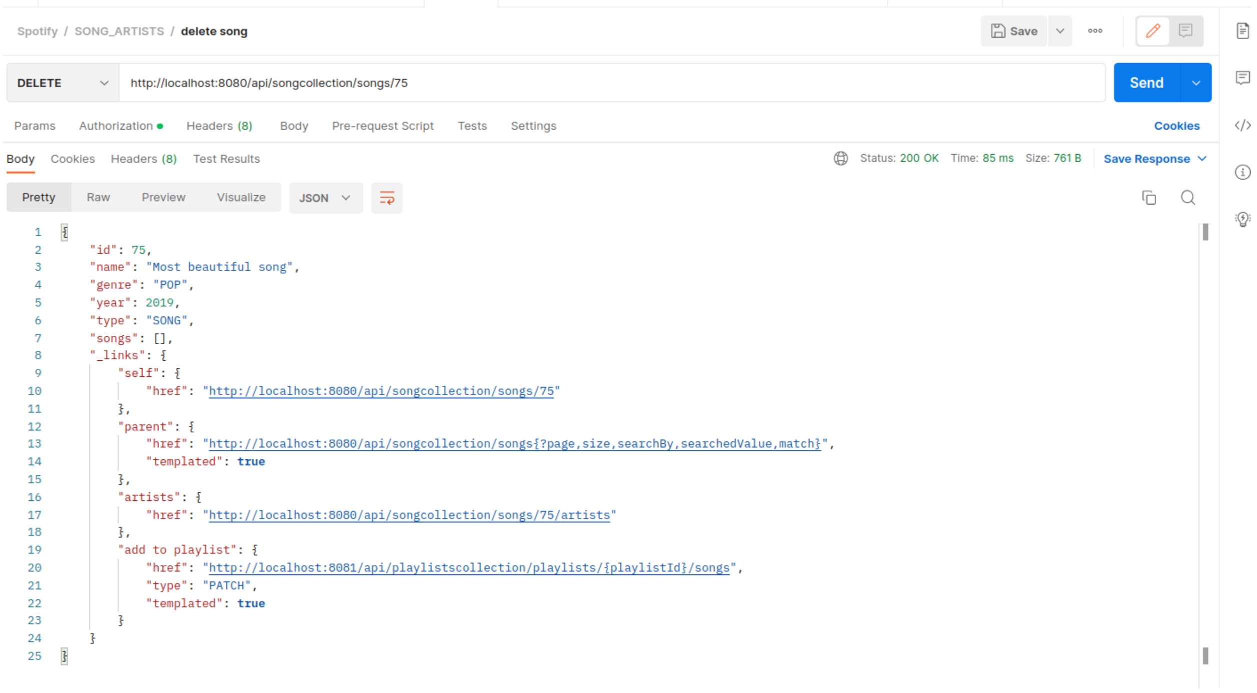


DELETE http://localhost:8080/api/songcollection/songs/88

Status: 409 Conflict Time: 76 ms Size: 373 B

```
{
    "error": "CONFLICT",
    "status": 409,
    "details": "You are not able to remove this album until you remove all its songs"
}
```

2.15 Delete song

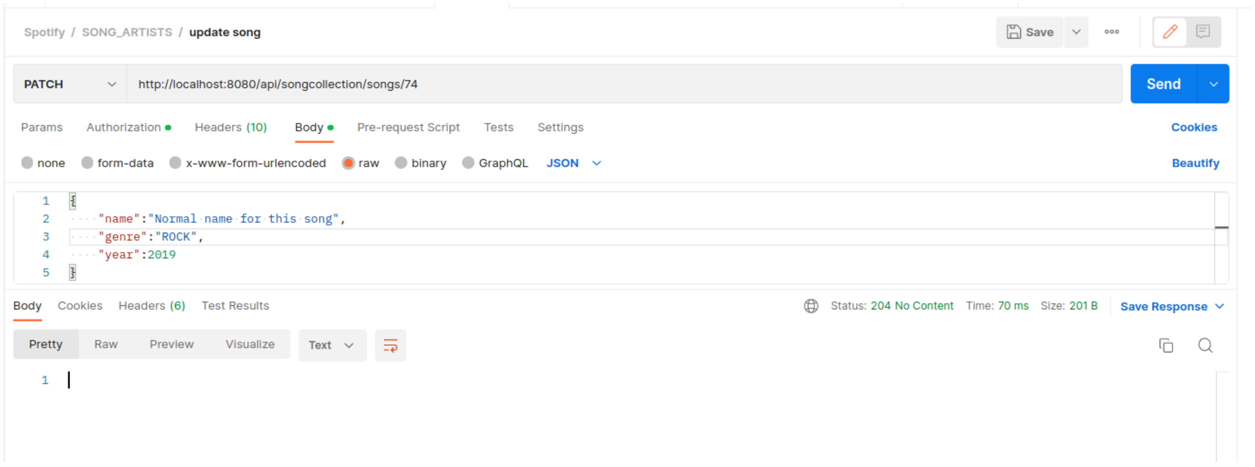


DELETE http://localhost:8080/api/songcollection/songs/75

Status: 200 OK Time: 85 ms Size: 761 B

```
{
    "id": 75,
    "name": "Most beautiful song",
    "genre": "POP",
    "year": 2019,
    "type": "SONG",
    "songs": [],
    "_links": {
        "self": {
            "href": "http://localhost:8080/api/songcollection/songs/75"
        },
        "parent": {
            "href": "http://localhost:8080/api/songcollection/songs{?page,size,searchBy,searchedValue,match}",
            "templated": true
        },
        "artists": {
            "href": "http://localhost:8080/api/songcollection/songs/75/artists"
        },
        "add to playlist": {
            "href": "http://localhost:8081/api/playlistscollection/playlists/{playlistId}/songs",
            "type": "PATCH",
            "templated": true
        }
    }
}
```

2.16 Update song

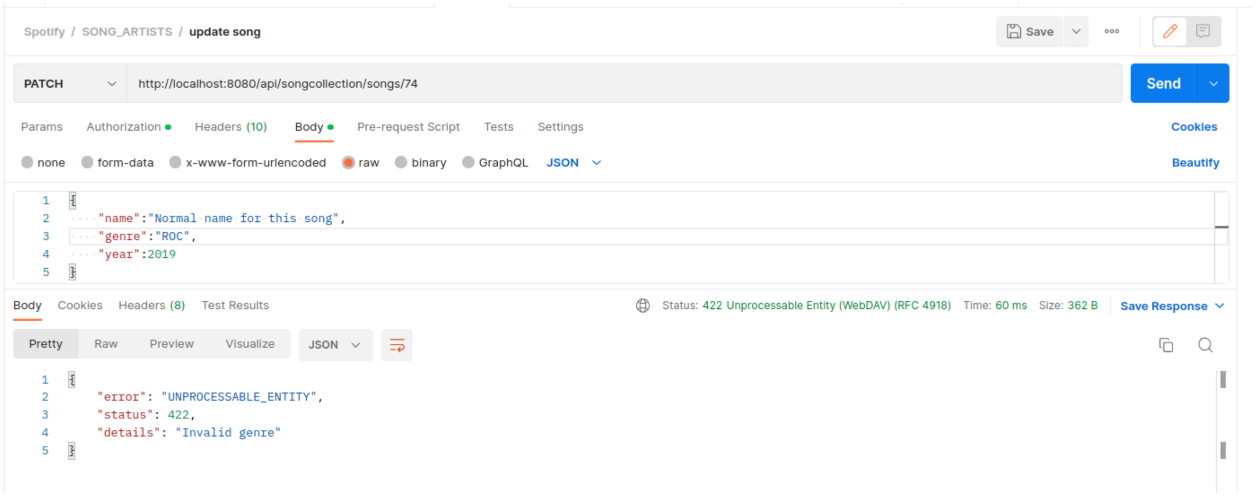


PATCH http://localhost:8080/api/songcollection/songs/74

```
{
    "name":"Normal name for this song",
    "genre":"ROCK",
    "year":2019
}
```

Status: 204 No Content Time: 70 ms Size: 201 B

2.17 Invalid song update



PATCH http://localhost:8080/api/songcollection/songs/74

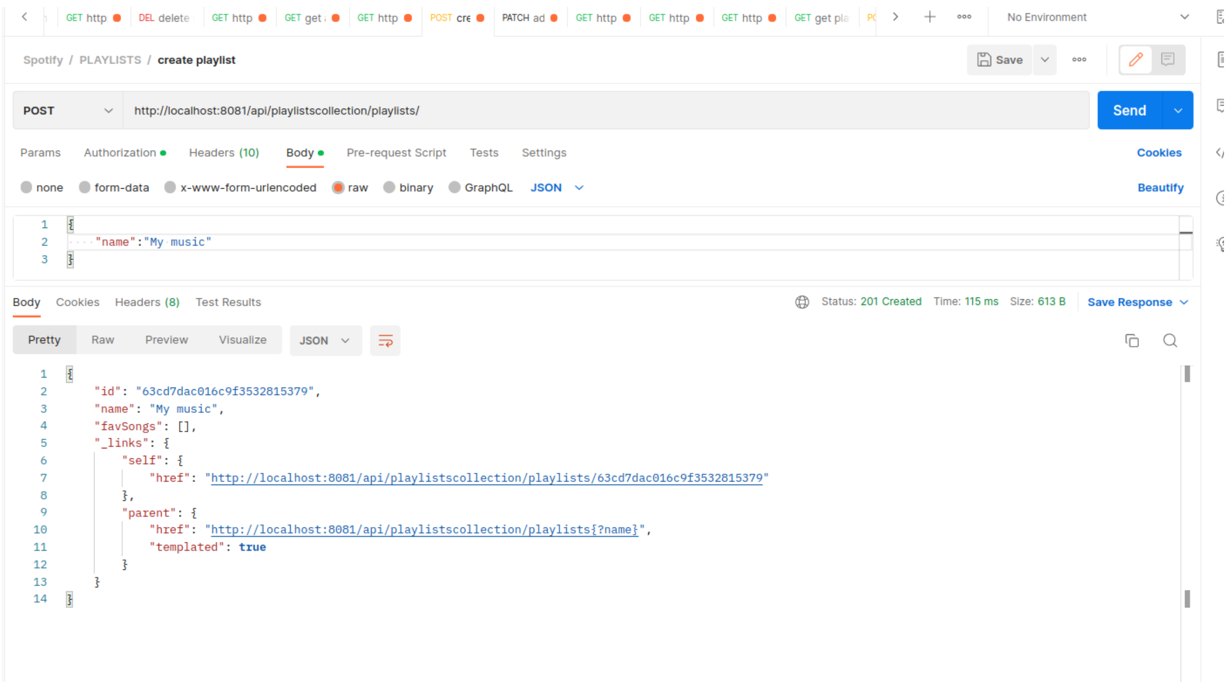
```
{
    "name":"Normal name for this song",
    "genre":"ROC",
    "year":2019
}
```

Status: 422 Unprocessable Entity (WebDAV) (RFC 4918) Time: 60 ms Size: 362 B

```
{
    "error": "UNPROCESSABLE_ENTITY",
    "status": 422,
    "details": "Invalid genre"
}
```

3. PLAYLISTS

3.1 Create playlist



Spotify / PLAYLISTS / **create playlist**

POST http://localhost:8081/api/playlistscollection/playlists/

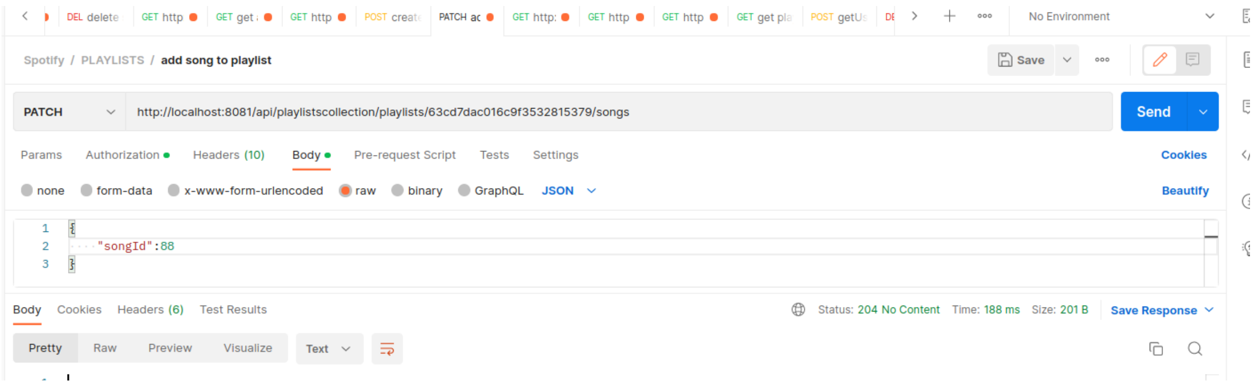
Body: raw, JSON

```
{
    "name":"My music"
}
```

Body | Cookies | Headers (8) | Test Results — Status: 201 Created Time: 115 ms Size: 613 B

```
{
    "id": "63cd7dac016c9f3532815379",
    "name": "My music",
    "favSongs": [],
    "_links": {
        "self": {
            "href": "http://localhost:8081/api/playlistscollection/playlists/63cd7dac016c9f3532815379"
        },
        "parent": {
            "href": "http://localhost:8081/api/playlistscollection/playlists{?name}",
            "templated": true
        }
    }
}
```

3.2 Add song to created playlist



Spotify / PLAYLISTS / **add song to playlist**

PATCH http://localhost:8081/api/playlistscollection/playlists/63cd7dac016c9f3532815379/songs

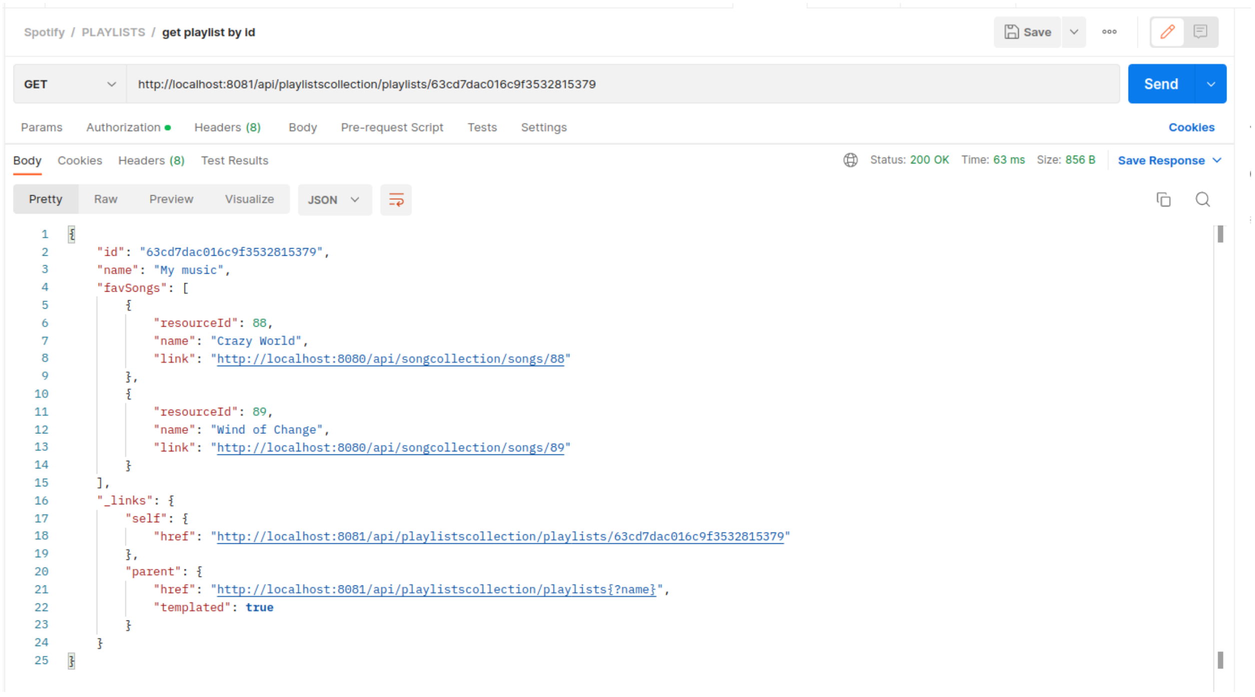
Body: raw, JSON

```
{
    "songId":88
}
```

Body | Cookies | Headers (6) | Test Results — Status: 204 No Content Time: 188 ms Size: 201 B

Text

3.3 Get playlist by id

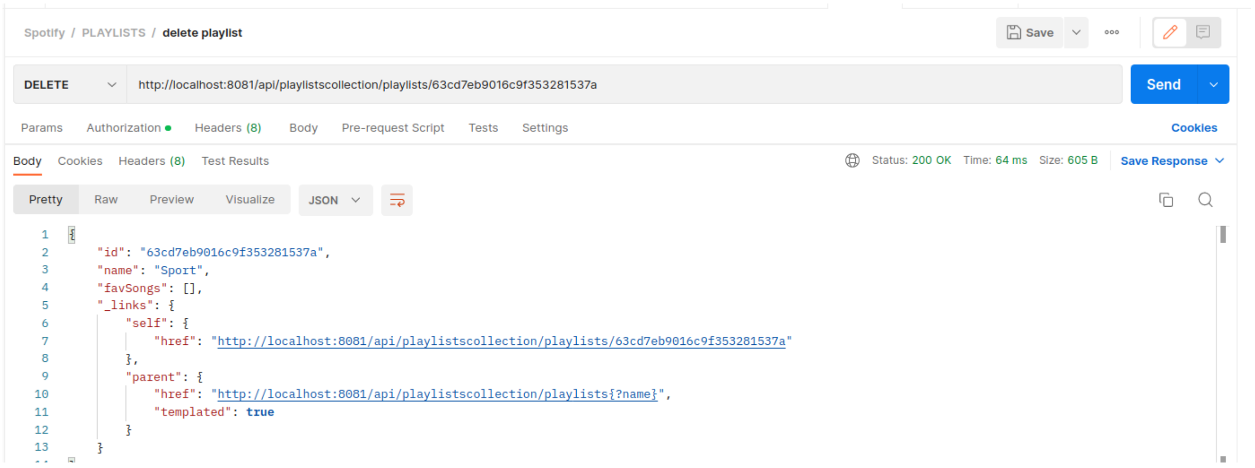


GET http://localhost:8081/api/playlistscollection/playlists/63cd7dac016c9f3532815379

Status: 200 OK Time: 63 ms Size: 856 B

```
{
    "id": "63cd7dac016c9f3532815379",
    "name": "My music",
    "favSongs": [
        {
            "resourceId": 88,
            "name": "Crazy World",
            "link": "http://localhost:8080/api/songcollection/songs/88"
        },
        {
            "resourceId": 89,
            "name": "Wind of Change",
            "link": "http://localhost:8080/api/songcollection/songs/89"
        }
    ],
    "_links": {
        "self": {
            "href": "http://localhost:8081/api/playlistscollection/playlists/63cd7dac016c9f3532815379"
        },
        "parent": {
            "href": "http://localhost:8081/api/playlistscollection/playlists{?name}",
            "templated": true
        }
    }
}
```

3.4 Delete playlist



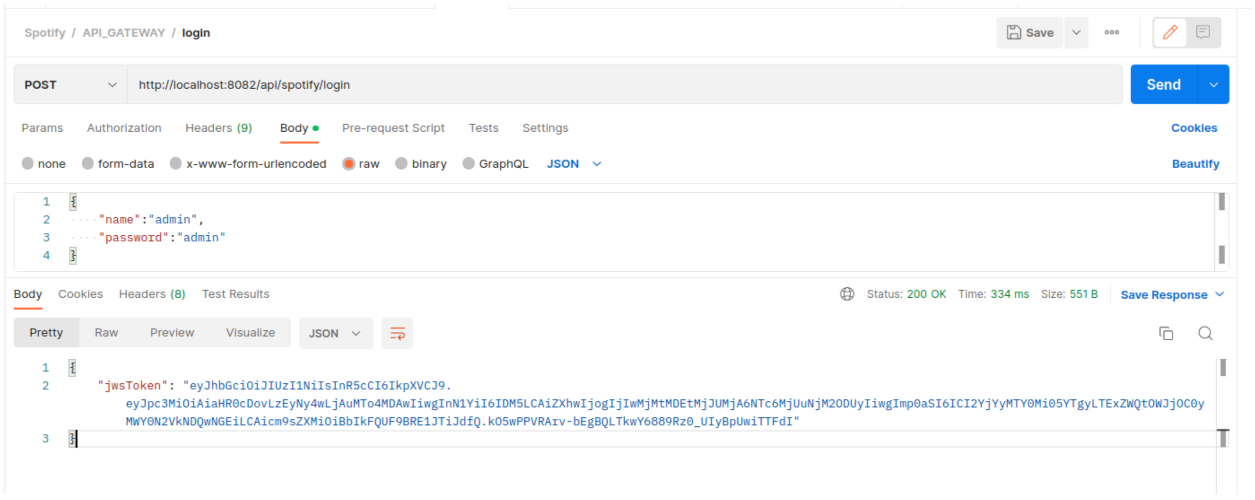
DELETE http://localhost:8081/api/playlistscollection/playlists/63cd7eb9016c9f353281537a

Status: 200 OK Time: 64 ms Size: 605 B

```
{
    "id": "63cd7eb9016c9f353281537a",
    "name": "Sport",
    "favSongs": [],
    "_links": {
        "self": {
            "href": "http://localhost:8081/api/playlistscollection/playlists/63cd7eb9016c9f353281537a"
        },
        "parent": {
            "href": "http://localhost:8081/api/playlistscollection/playlists{?name}",
            "templated": true
        }
    }
```

4. API GATEWAY

4.1 Login


Spotify / API_GATEWAY / **login**

POST http://localhost:8082/api/spotify/login

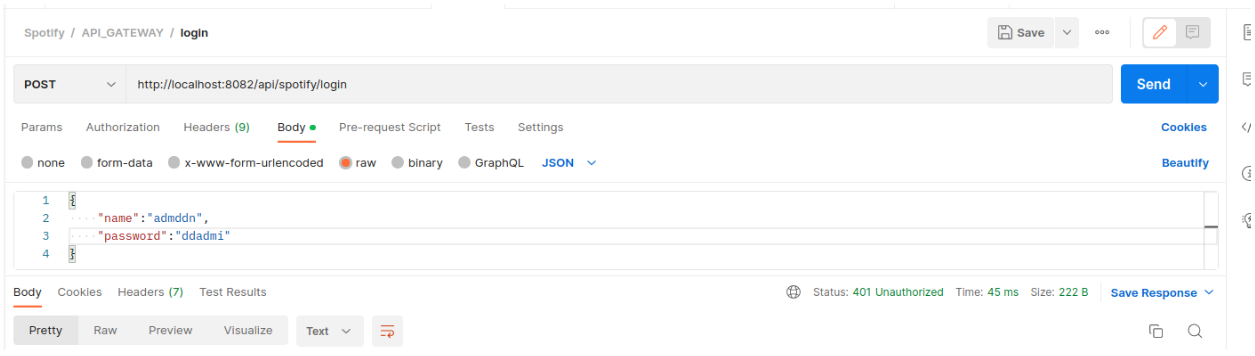
Body: raw, JSON

```
{
    "name":"admin",
    "password":"admin"
}
```

Status: 200 OK Time: 334 ms Size: 551 B

```
{
    "jwsToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
        eyJpc3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDAwIiwgInN1YiI6IDM5LCAiZXhwIjogIjIwMjMtMDEtMjJUMjA6NTc6MjUuNjM2ODUyIiwgImp0aSI6ICI2YjYyMTY0Mi05YTgyLTExZWQtOWJjOC0y
        MWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbIkFQUF9BRE1JTiJdfQ.kO5wPPVRArv-bEgBQLTkwY6889Rz0_UIyBpUwiTTFdI"
}
```

4.2 Invalid login


Spotify / API_GATEWAY / **login**

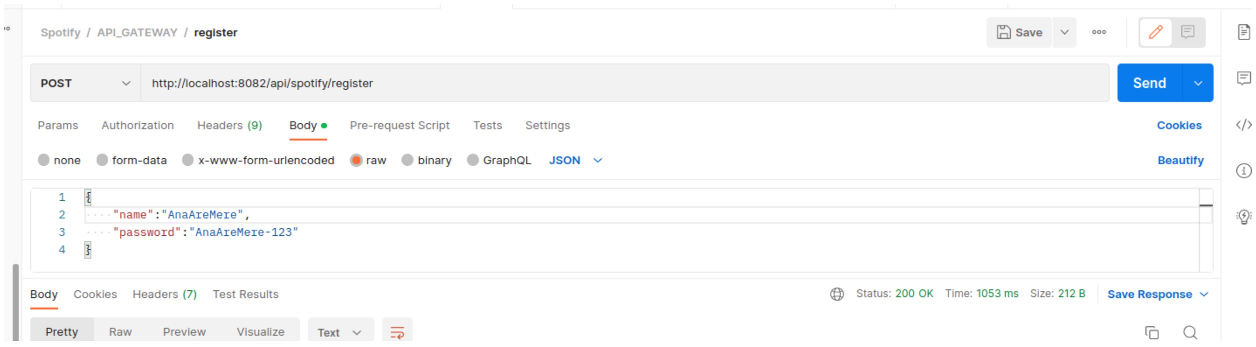
POST http://localhost:8082/api/spotify/login

Body: raw, JSON

```
{
    "name":"admddn",
    "password":"ddadmi"
}
```

Status: 401 Unauthorized Time: 45 ms Size: 222 B

4.3 Register


Spotify / API_GATEWAY / **register**

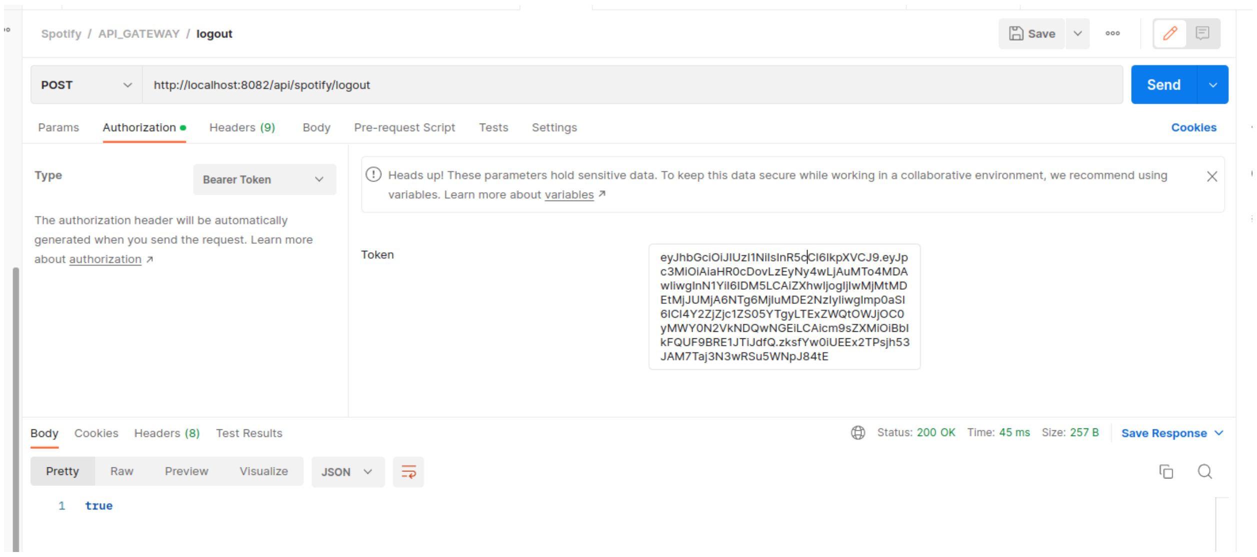
POST http://localhost:8082/api/spotify/register

Body: raw, JSON

```
{
    "name":"AnaAreMere",
    "password":"AnaAreMere-123"
}
```

Status: 200 OK Time: 1053 ms Size: 212 B

4.4 Logout



Spotify / API_GATEWAY / **logout**

Save

POST http://localhost:8082/api/spotify/logout

Send

Params | **Authorization** | Headers (9) | Body | Pre-request Script | Tests | Settings | Cookies

Type: Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about variables ↗

Token:

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJp
c3MiOiAiaHR0cDovLzEyNy4wLjAuMTo4MDA
wIiwgInN1YiI6IDM5LCAiZXhwIjogIjIwMjMtMD
EtMjJUMjA6NTg6MjIuMDE2NzIyIiwgImp0aSI
6ICI4Y2ZjZjc1ZS05YTgyLTExZWQtOWJjOC0
yMWY0N2VkNDQwNGEiLCAicm9sZXMiOiBbI
kFQUF9BRE1JTiJdfQ.zksfYw0iUEEx2TPsjh53
JAM7Taj3N3wRSu5WNpJ84tE
```

Body | Cookies | Headers (8) | Test Results

Status: 200 OK Time: 45 ms Size: 257 B Save Response

Pretty | Raw | Preview | Visualize | JSON

```
true
```