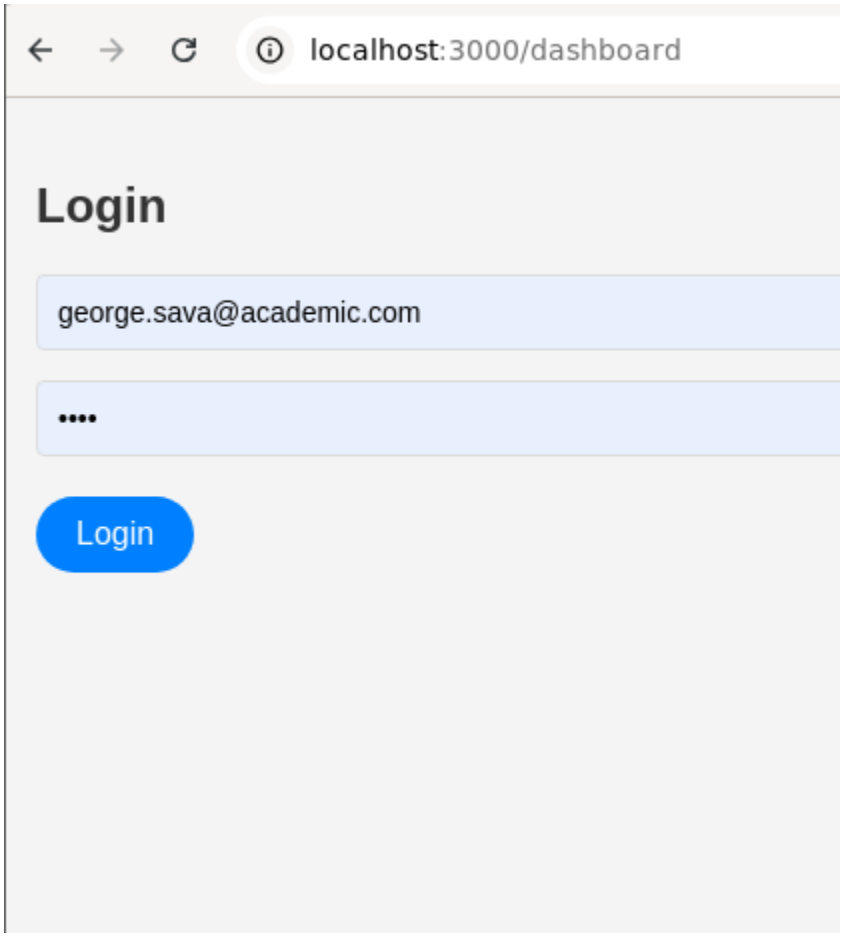
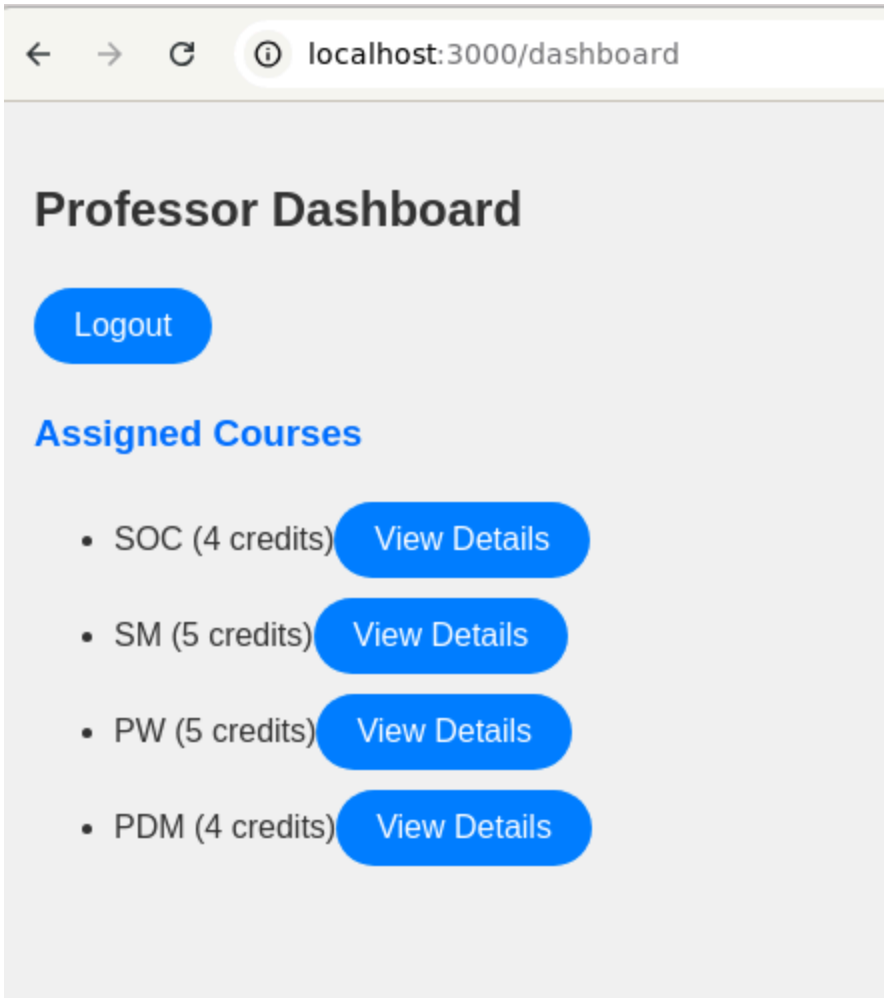
Profesor React:




localhost:3000/dashboard
Professor Dashboard
Logout
Assigned Courses
SOC (4 credits) View Details
SM (5 credits) View Details
PW (5 credits) View Details
PDM (4 credits) View Details

->

- SM (5 credits) View Details
- PW (5 credits) View Details
- PDM (4 credits) View Details

Details for Lecture: SOC

Year: 3

Credits: 4

Information

Examenul e pe 28.06.2024

Evaluation Tests

- Test 1 - 30%
- Test 2 - 20%
- Examen Final - 50%

Course Materials

File: Laborator_Complet.pdf

Lab Materials

- Lab1.pdf
- Lab2.pdf
- Lab3.pdf

Enrolled Students

- Robert Popescu - robert.popescu@student.com
- Vlad Popescu - vlad.popescu@student.com
- Simona Rosu - simona.rosu@student.com
- Sofia Lemnea - sofia.lemnea@student.com

->

Year: 3

Credits: 4

Information

Examenul e pe 30.06.2024

Evaluation Tests

```
[
  {
    "testName": "Test 1",
    "weight": 30
  },
  {
    "testName": "Test 2",
    "weight": 20
  },
  {
    "testName": "Examen Final",
    "weight": 50
  }
]
```

Course Materials

File: Laborator_Complet.pdf

Lab Materials

- Lab1.pdf
- Lab2.pdf
- Lab3.pdf

Enrolled Students

- Robert Popescu - robert.popescu@student.com
- Vlad Popescu - vlad.popescu@student.com
- Simona Rosu - simona.rosu@student.com
- Sofia Lemnea - sofia.lemnea@student.com

Save Changes Cancel

Student React

Logout

Welcome, Robert Popescu

My Lectures

- PW
- SOC
- SM

Back to Dashboard

Lecture: PW

Year: 3

Credits: 5

Details

Information: Examenul e pe 08.07.2024

Evaluation Tests

- Test A - 30%
- Test B - 20%
- Test C - 10%
- Examen final - 30%

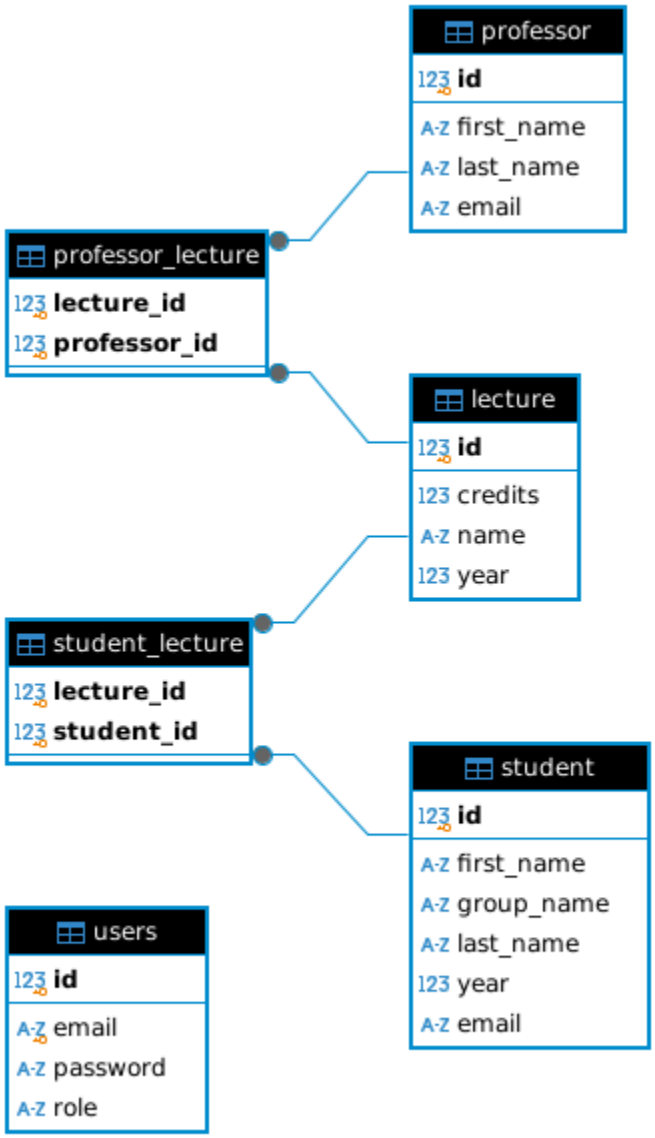
Course Materials

File: Laborator_Complet.pdf

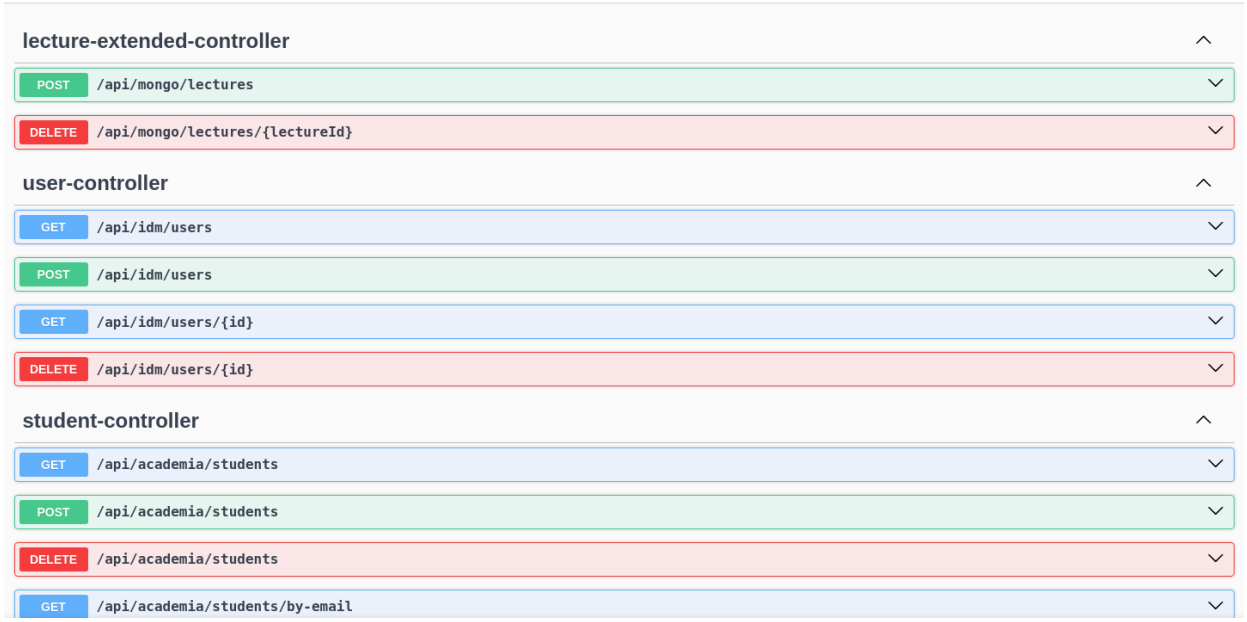
Lab Materials

- Lab1.pdf
- Lab2.pdf
- Lab3.pdf

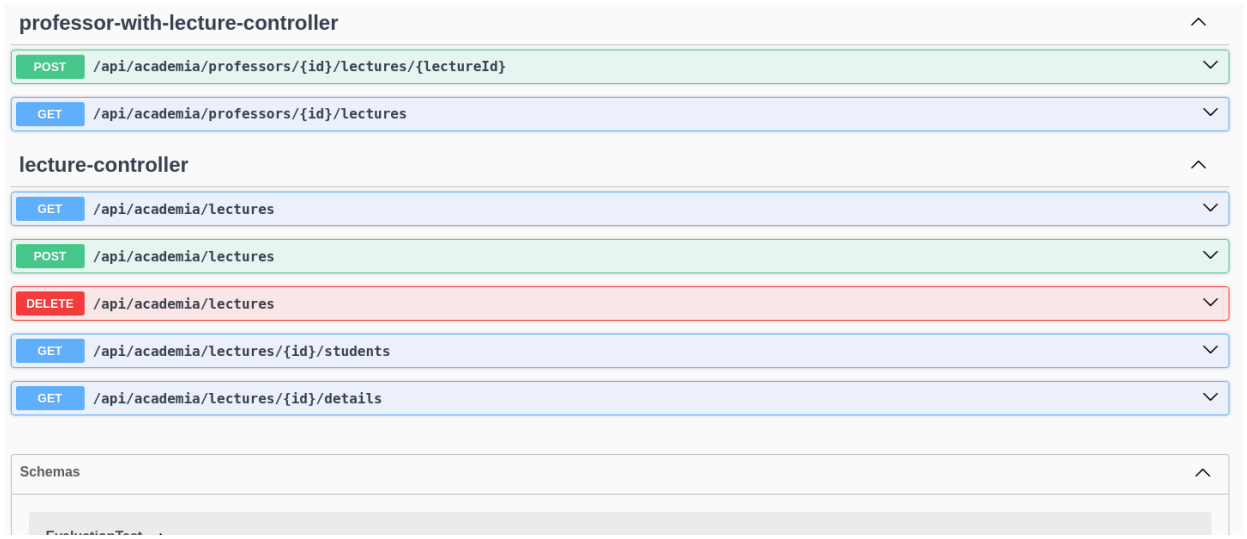
Diagrama bază de date:



OpenAPI



...



Postman
Observație:
În fiecare request se află:

sau {{studToken}} / {{profToken}} (în funcție de permisiuni)

gRPC

gRPC / **AuthProf**

localhost:50051 | IdmService / Authenticate

Message | Authorization | Metadata | Service definition | Scripts | Settings

```
{
    "Username": "mitica.dobrin@academic.com",
    "Password": "md_a"
}
```

Use Example Message

Response | Metadata (1) | Trailers | Test results

```
"TokenValue": "eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi8vaWRtLXNlcnZpY2UubG9jYWwiLCJzdWIiOiIxMyIsInJvbGUiOiJwcm9mZXNzb3
```

gRPC / **AuthStudent**

localhost:50051 | IdmService / Authenticate

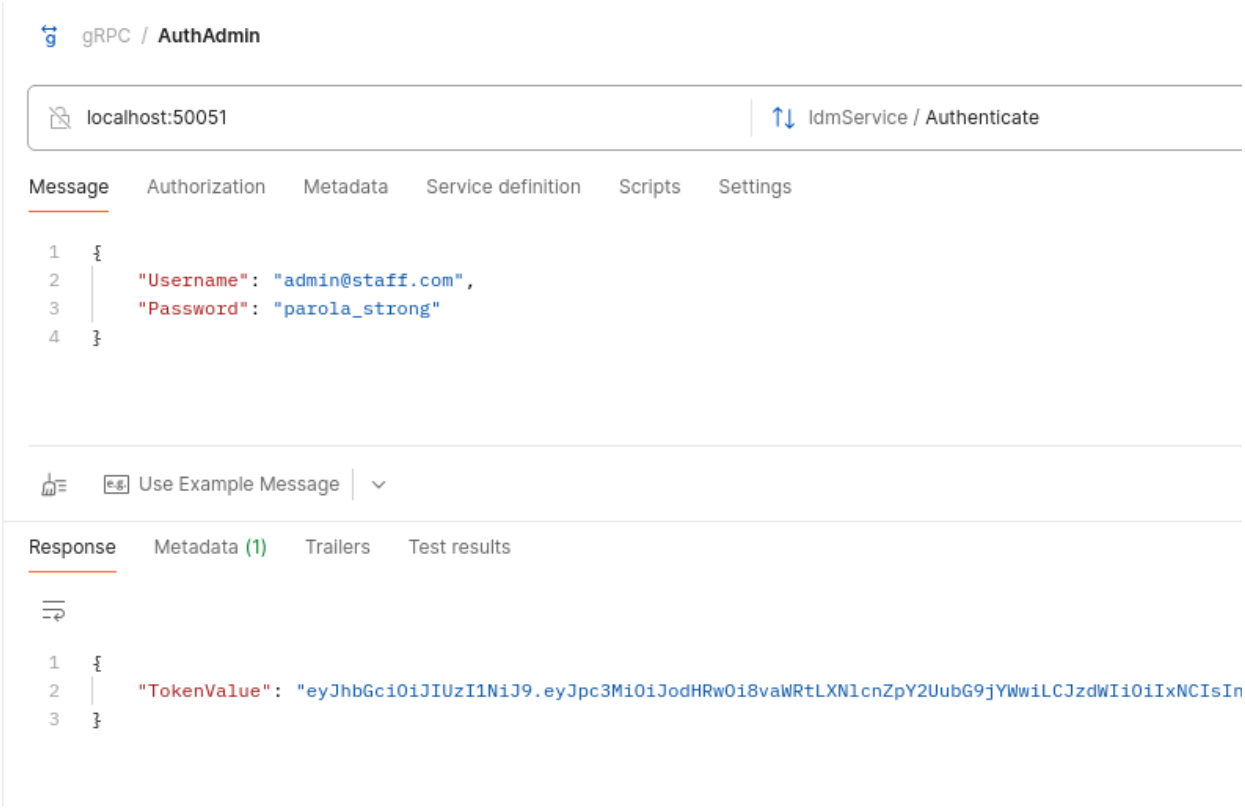
Message | Authorization | Metadata | Service definition | Scripts | Settings

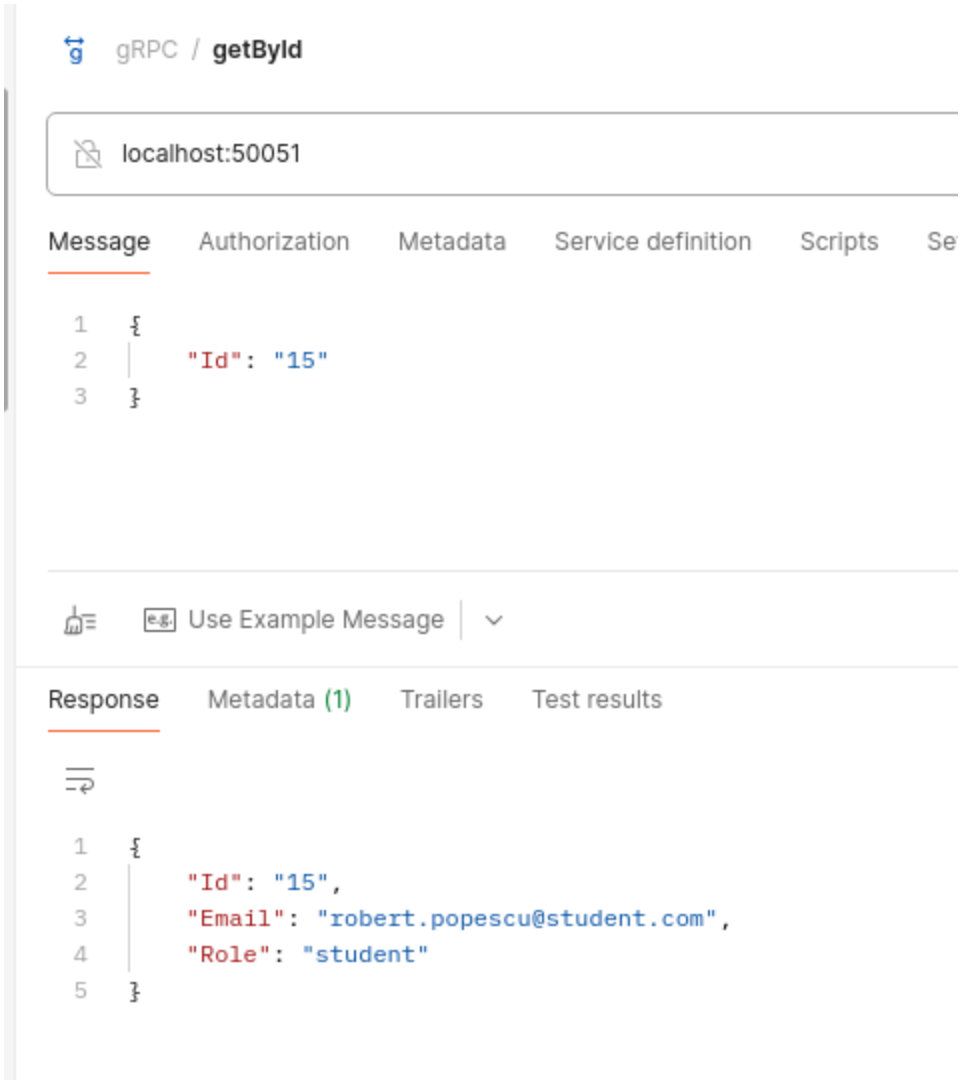
```
{
    "Username": "robert.popescu@student.com",
    "Password": "rp_s"
}
```

Use Example Message

Response | Metadata (1) | Trailers | Test results

```
{
    "TokenValue": "eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi8vaWRtLXNlcnZpY2UubG9jYWwiLCJzdWIiOi
}
```


gRPC / AuthAdmin
localhost:50051
IdmService / Authenticate
Message
Authorization
Metadata
Service definition
Scripts
Settings
{
"Username": "admin@staff.com",
"Password": "parola_strong"
}
Use Example Message
Response
Metadata (1)
Trailers
Test results
{
"TokenValue": "eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi8vaWRtLXNlcnZpY2UubG9jYWwiLCJzdWIiOiIxNCIsIn
}


gRPC / getById
localhost:50051
Message
Authorization
Metadata
Service definition
Scripts
Se
1 {
2 "Id": "15"
3 }
Use Example Message
Response
Metadata (1)
Trailers
Test results
1 {
2 "Id": "15",
3 "Email": "robert.popescu@student.com",
4 "Role": "student"
5 }

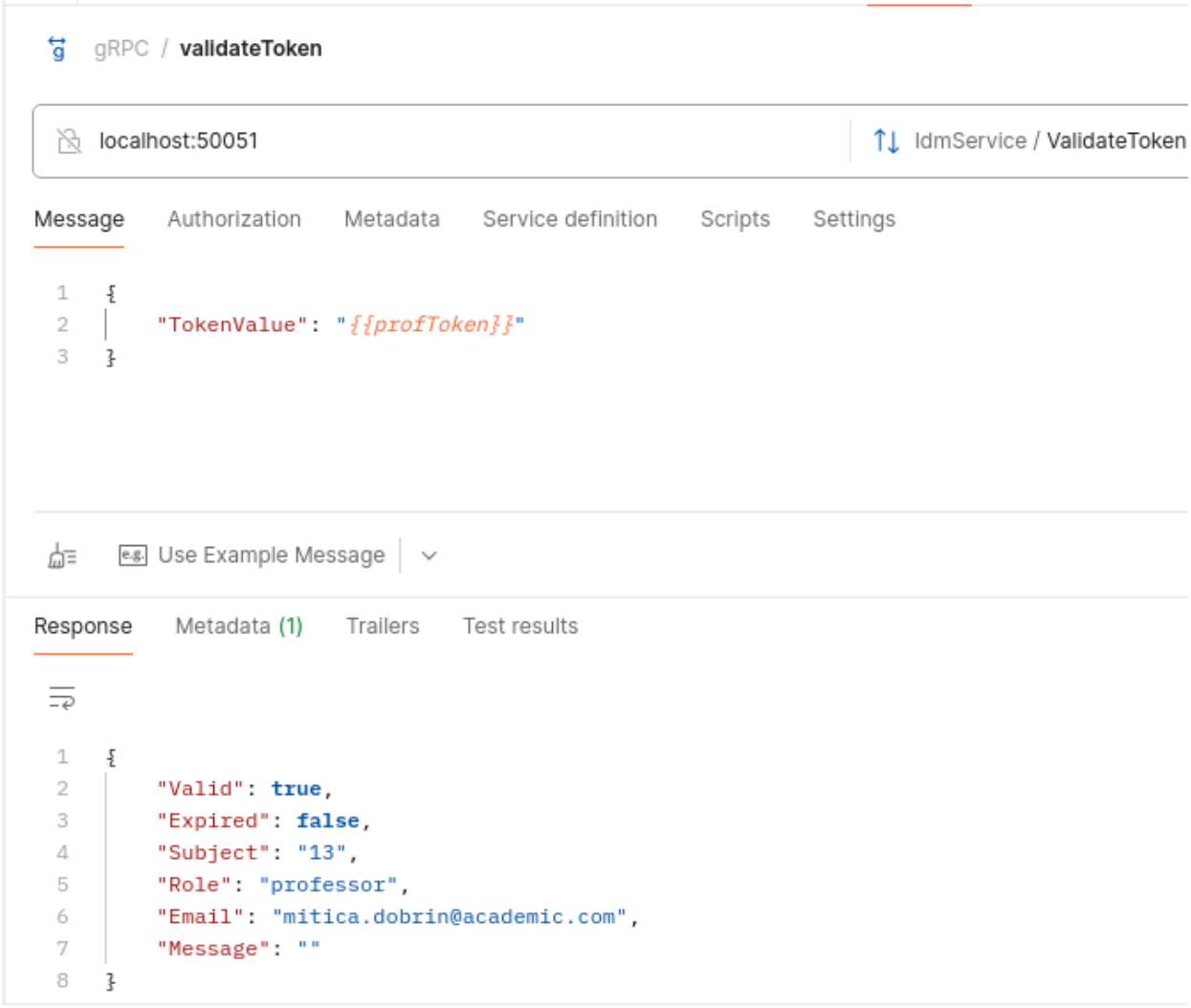
gRPC / **getAll**

localhost:50051 | IdmService / GetAllUsers

Message | Authorization | Metadata | Service definition | Scripts | Settings

Response | Metadata (1) | Trailers | Test results


```
{
    "Users": [
        {
            "Id": "13",
            "Email": "mitica.dobrin@academic.com",
            "Role": "professor"
        },
        {
            "Id": "14",
            "Email": "admin@staff.com",
            "Role": "admin"
        },
        {
            "Id": "15",
            "Email": "robert.popescu@student.com",
            "Role": "student"
        },
        {
            "Id": "16",
```


gRPC / validateToken
localhost:50051
IdmService / ValidateToken
Message
Authorization
Metadata
Service definition
Scripts
Settings
{
"TokenValue": "{{profToken}}"
}
Use Example Message
Response
Metadata (1)
Trailers
Test results
{
"Valid": true,
"Expired": false,
"Subject": "13",
"Role": "professor",
"Email": "mitica.dobrin@academic.com",
"Message": ""
}

gRPC / **destroyToken**

localhost:50051 | IdmService / DestroyToken

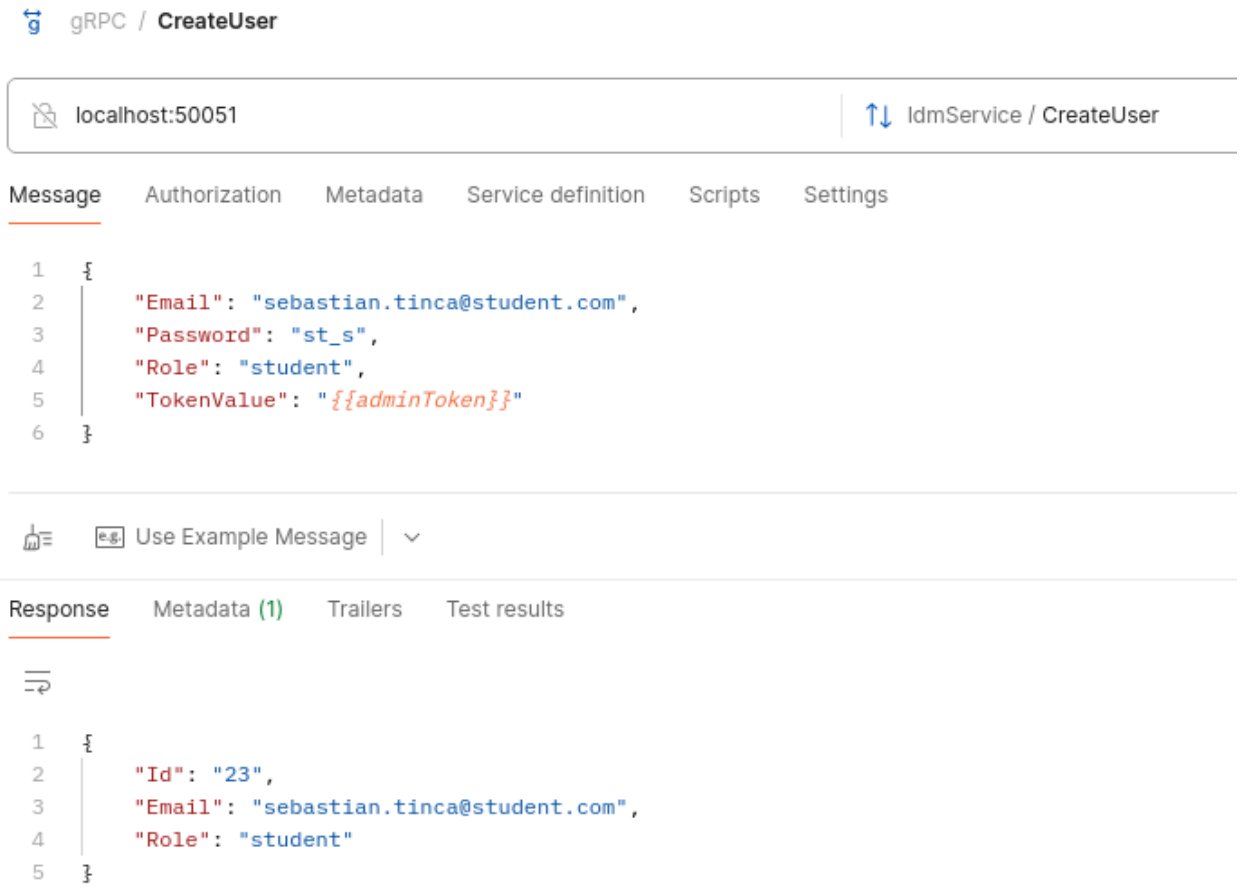
Message | Authorization | Metadata | Service definition | Scripts | Settings

```
{
    "TokenValue": "{{profToken}}"
}
```

Use Example Message

Response | Metadata (1) | Trailers | Test results

```
{
    "Success": true,
    "Message": "Token destroyed"
}
```



mySQL

Lectures

Lectures / **Create**

POST http://localhost:8084/api/academia/lectures

Params Authorization • Headers (10) Body • Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
{
    "name":"PIU",
    "year": "4",
    "credits": "4"
}
```

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "id": 35,
    "name": "PIU",
    "year": 4,
    "credits": 4,
    "_links": {
        "self": {
            "href": "http://localhost:8084/api/academia/lectures?id=35"
        },
        "all-lectures": {
            "href": "http://localhost:8084/api/academia/lectures?page=0&size=10{&name,year,credits}",
            "templated": true
        }
    }
}
```

Lectures / **getAll**

GET http://localhost:8084/api/academia/lectures

Params Authorization Headers (9) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "_embedded": {
        "lectureList": [
            {
                "id": 19,
                "name": "SOC",
                "year": 3,
                "credits": 4,
                "_links": {
                    "self": {
                        "href": "http://localhost:8084/api/academia/lectures?id=19"
                    }
                }
            },
            {
                "id": 20,
                "name": "SM",
                "year": 3,
                "credits": 5,
                "_links": {
                    "self": {
                        "href": "http://localhost:8084/api/academia/lectures?id=20"
                    }
                }
            },
            {
                "id": 21,
                "name": "PW",
```

Lectures / **getAllStudents**

GET http://localhost:8084/api/academia/lectures/22/students

Params Authorization Headers (8) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "_embedded": {
        "studentList": [
            {
                "id": 7,
                "firstName": "Vlad",
                "lastName": "Popescu",
                "groupName": "1408A",
                "email": "vlad.popescu@student.com",
                "year": 4,
                "lectures": [
                    {
                        "id": 21,
```

```
        {
            "id": 10,
            "firstName": "Simona",
            "lastName": "Rosu",
            "groupName": "1308A",
            "email": "simona.rosu@student.com",
            "year": 3,
            "lectures": [
                {
                    "id": 21,
                    "name": "PW",
                    "year": 3,
                    "credits": 5
                },
                {
                    "id": 22,
                    "name": "SD",
                    "year": 3,
                    "credits": 4
                },
                {
                    "id": 19,
                    "name": "SOC",
                    "year": 3,
```

Lectures / **getById**

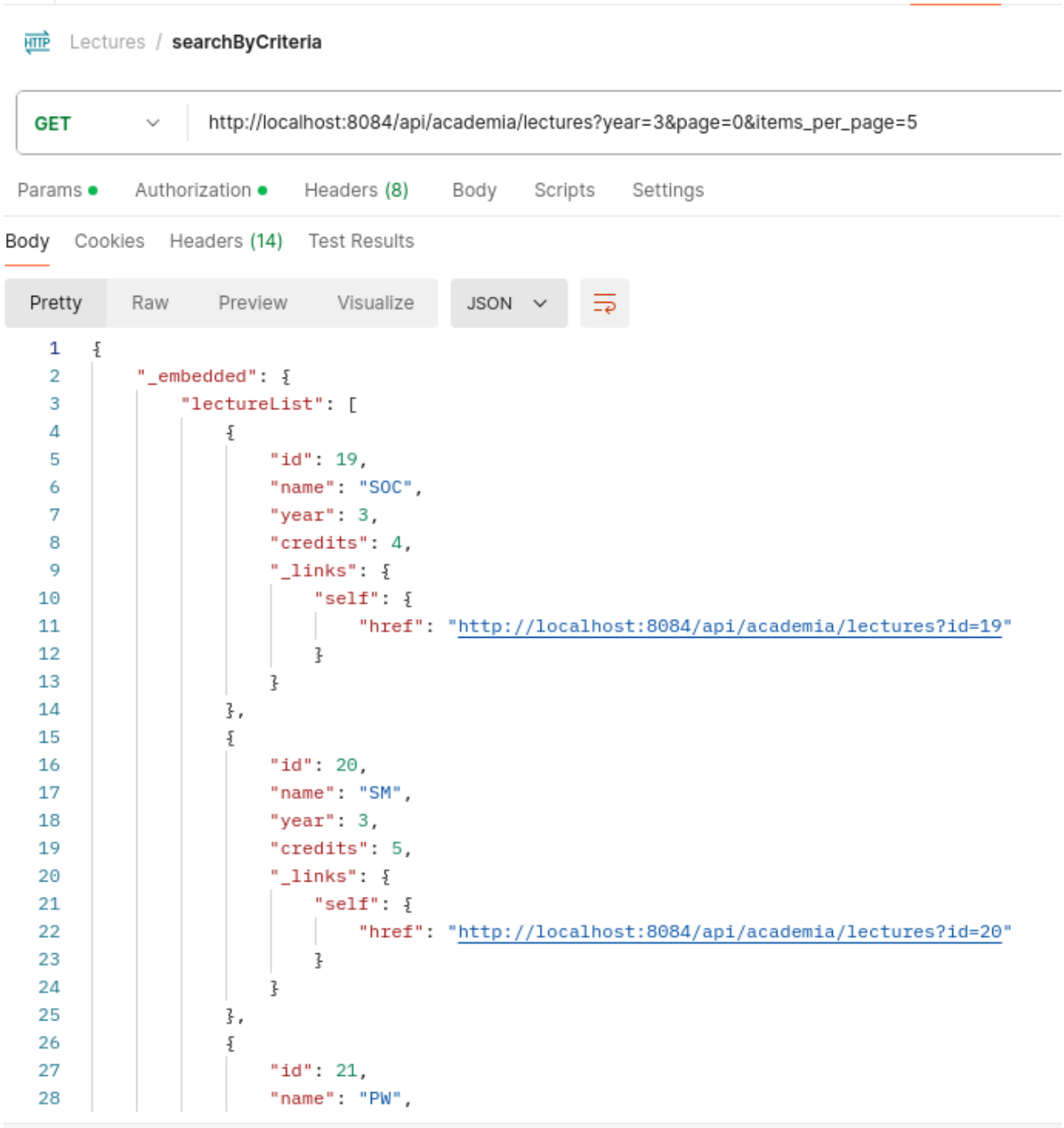
GET http://localhost:8084/api/academia/lectures?id=19

Params • Authorization • Headers (9) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "id": 19,
    "name": "SOC",
    "year": 3,
    "credits": 4,
    "_links": {
        "self": {
            "href": "http://localhost:8084/api/academia/lectures?id=19"
        },
        "all-lectures": {
            "href": "http://localhost:8084/api/academia/lectures?page=0&size=10{&name,year,credits}",
            "templated": true
        }
    }
}
```



Lectures Extended

LecturesExtended / **getData**

GET http://localhost:8083/api/academia/lectures/21/details

Params Authorization Headers (8) Body Scripts Settings

Auth Type

Bearer Token

Token {{profToken}}

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "lecture": {
        "id": 21,
        "name": "PW",
        "year": 3,
        "credits": 5
    },
    "extended": {
        "id": "6771b781d1bdc245c62c82b4",
        "lectureId": 21,
        "information": "Examenul e pe 08.07.2024",
        "evaluationTests": [
            {
                "testName": "Test A",
                "weight": 30.0
            },
            {
                "testName": "Test B",
                "weight": 20.0
            },
            {
                "testName": "Test C",
                "weight": 10.0
```

Professors

Professors / **Create**

POST http://localhost:8083/api/academia/professors

Params Authorization Headers (10) Body Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
{
    "firstName":"Ana",
    "lastName": "Roza"
}
```

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "id": 8,
    "firstName": "Ana",
    "lastName": "Roza",
    "email": "ana.roza@academic.com",
    "lectures": [],
    "_links": {
        "self": {
            "href": "http://localhost:8083/api/academia/professors?id=8"
        },
        "all-professors": {
            "href": "http://localhost:8083/api/academia/professors?page=0&size=10{&firstName,lastName}",
            "templated": true
        }
    }
}
```

Professors / **getAll**

GET http://localhost:8083/api/academia/professors

Params Authorization Headers (8) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "_embedded": {
        "professorList": [
            {
                "id": 5,
                "firstName": "Mitica",
                "lastName": "Dobrin",
                "email": "mitica.dobrin@academic.com",
                "lectures": [
                    {
                        "id": 22,
                        "name": "SD",
                        "year": 3,
                        "credits": 4
                    }
                ],
                "_links": {
                    "self": {
                        "href": "http://localhost:8083/api/academia/professors?id=5"
                    }
                }
            },
            {
                "id": 6,
                "firstName": "George",
                "lastName": "Sava",
                "email": "george.sava@academic.com",
                "lectures": [
```

Professors / **getById**

GET http://localhost:8083/api/academia/professors?id=5

Params • Authorization • Headers (8) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "id": 5,
    "firstName": "Mitica",
    "lastName": "Dobrin",
    "email": "mitica.dobrin@academic.com",
    "lectures": [
        {
            "id": 22,
            "name": "SD",
            "year": 3,
            "credits": 4
        }
    ],
    "_links": {
        "self": {
            "href": "http://localhost:8083/api/academia/professors?id=5"
        },
        "parent": {
            "href": "http://localhost:8083/api/academia/professors?page=0&size=10{&firstName,lastName}",
            "templated": true
        }
    }
}
```

Professors / **getByEmail**

GET http://localhost:8083/api/academia/professors/by-email?email=mitica.dobrin@academic.com

Params • Authorization • Headers (8) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "id": 5,
    "firstName": "Mitica",
    "lastName": "Dobrin",
    "email": "mitica.dobrin@academic.com",
    "lectures": [
        {
            "id": 22,
            "name": "SD",
            "year": 3,
            "credits": 4
        }
    ],
    "_links": {
        "self": {
            "href": "http://localhost:8083/api/academia/professors?id=5"
        },
        "all-professors": {
            "href": "http://localhost:8083/api/academia/professors?page=0&size=10{&firstName,lastName}",
            "templated": true
        }
    }
}
```

Professors / **getLectures**

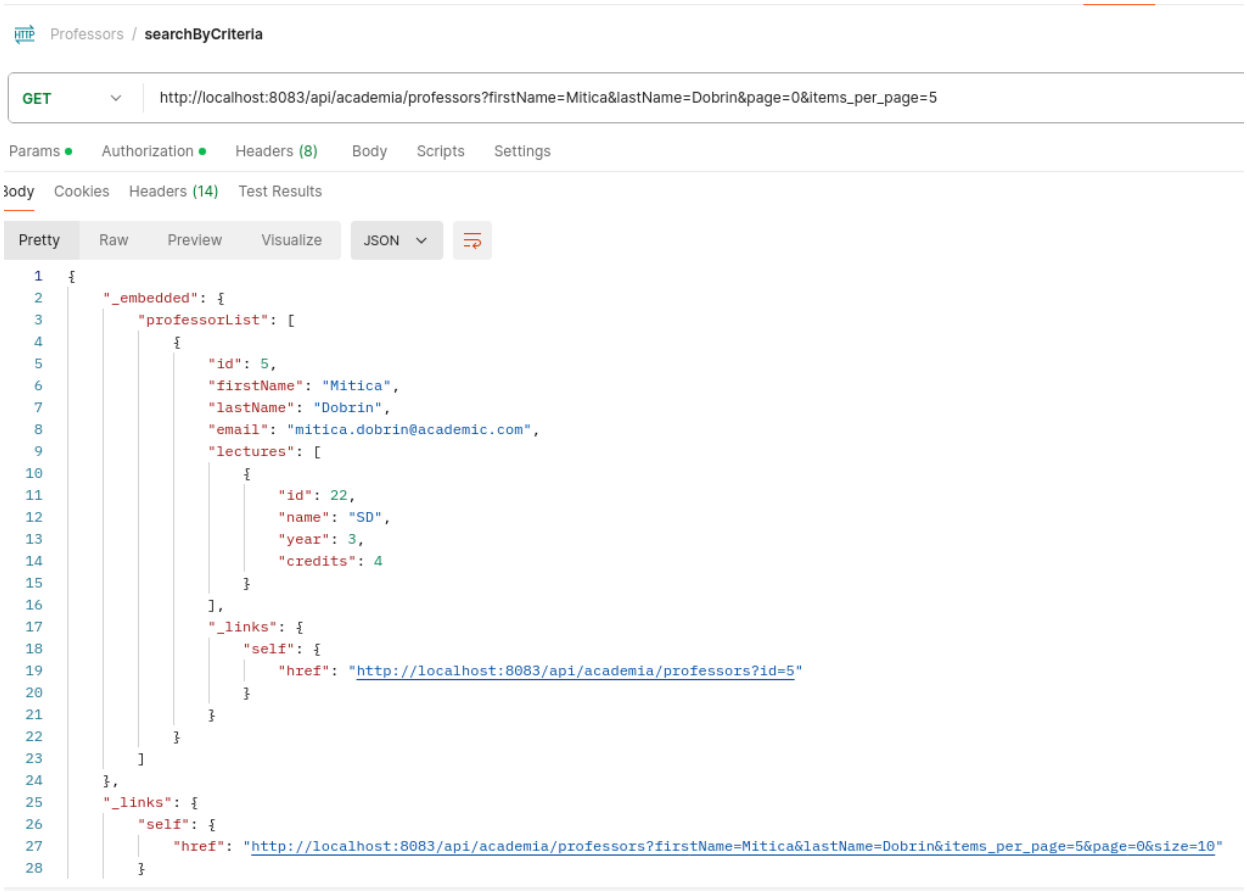
GET http://localhost:8083/api/academia/professors/5/lectures

Params Authorization Headers (8) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "_embedded": {
        "lectureList": [
            {
                "id": 22,
                "name": "SD",
                "year": 3,
                "credits": 4,
                "_links": {
                    "self": {
                        "href": "http://localhost:8083/api/academia/lectures?id=22"
                    }
                }
            }
        ]
    },
    "_links": {
        "self": {
            "href": "http://localhost:8083/api/academia/professors/5/lectures"
        },
        "parent": {
            "href": "http://localhost:8083/api/academia/professors?id=5"
        }
    }
}
```


Professors / searchByCriteria
GET
http://localhost:8083/api/academia/professors?firstName=Mitica&lastName=Dobrin&page=0&items_per_page=5
Params
Authorization
Headers (8)
Body
Scripts
Settings
Body
Cookies
Headers (14)
Test Results
Pretty
Raw
Preview
Visualize
JSON
{
"_embedded": {
"professorList": [
{
"id": 5,
"firstName": "Mitica",
"lastName": "Dobrin",
"email": "mitica.dobrin@academic.com",
"lectures": [
{
"id": 22,
"name": "SD",
"year": 3,
"credits": 4
}
],
"_links": {
"self": {
"href": "http://localhost:8083/api/academia/professors?id=5"
}
}
}
]
},
"_links": {
"self": {
"href": "http://localhost:8083/api/academia/professors?firstName=Mitica&lastName=Dobrin&items_per_page=5&page=0&size=10"
}

Students

Students / **Create**

POST http://localhost:8082/api/academia/students

Params | Authorization | Headers (10) | Body | Scripts | Settings

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

```
{
    "firstName":"paul",
    "lastName": "atreides",
    "groupName": "1408B",
    "year": 4
}
```

Body | Cookies | Headers (14) | Test Results

Pretty | Raw | Preview | Visualize | JSON


```
{
    "id": 12,
    "firstName": "paul",
    "lastName": "atreides",
    "groupName": "1408B",
    "email": "paul.atreides@student.com",
    "year": 4,
    "lectures": [],
    "_links": {
        "self": {
            "href": "http://localhost:8082/api/academia/students?id=12"
        },
        "all-students": {
            "href": "http://localhost:8082/api/academia/students?page=0&size=10{&firstName,lastName,groupName,year}",
            "templated": true
        }
    }
}
```

Students / **getAll**

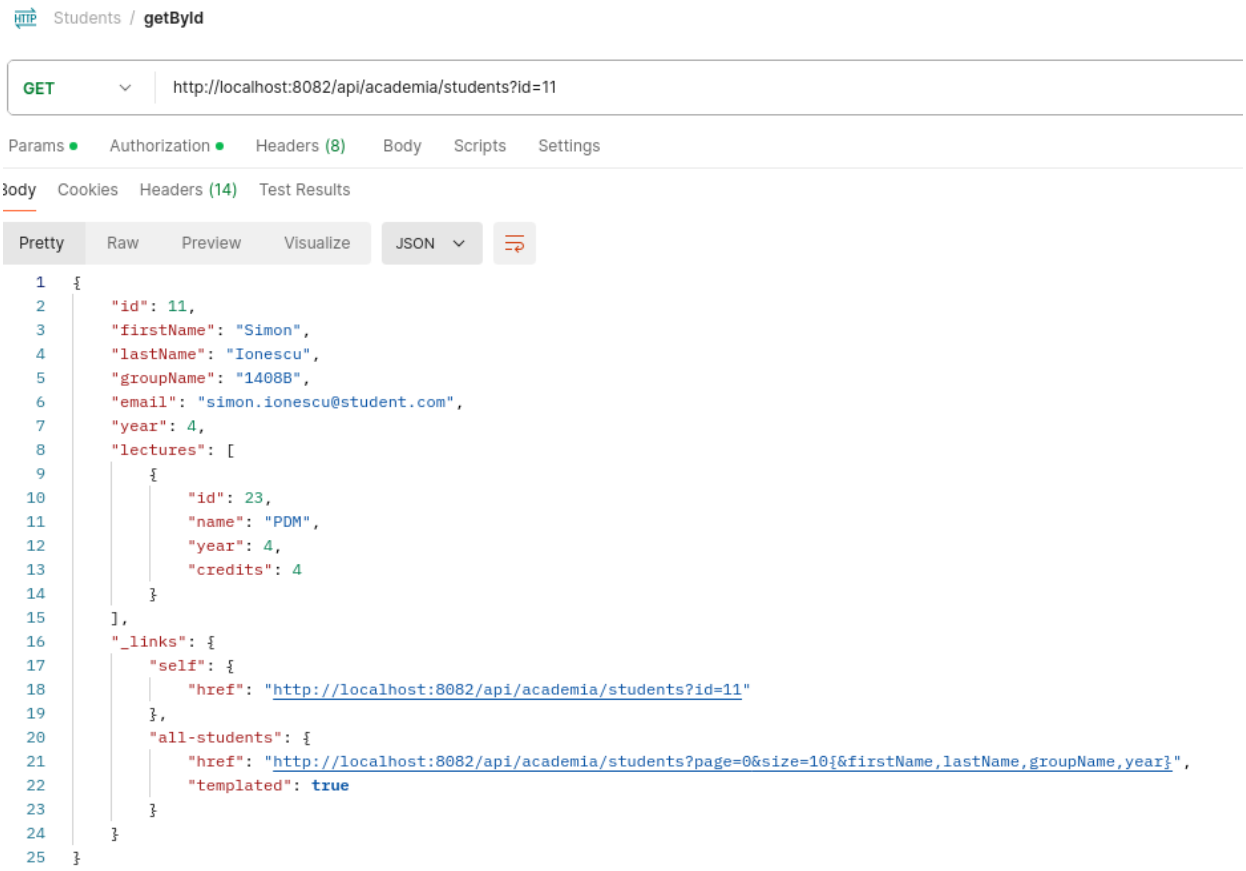
GET http://localhost:8082/api/academia/students

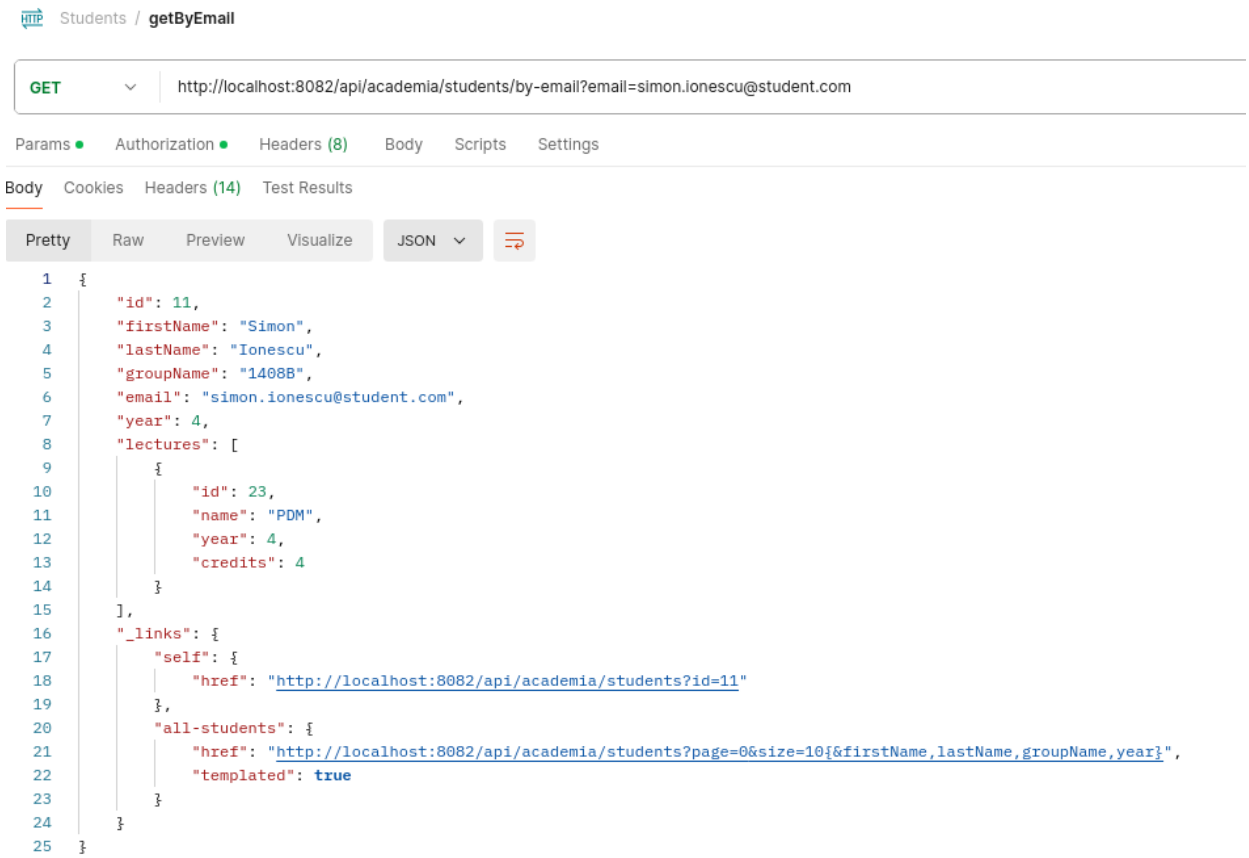
Params Authorization Headers (8) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
{
    "_embedded": {
        "studentList": [
            {
                "id": 7,
                "firstName": "Vlad",
                "lastName": "Popescu",
                "groupName": "1408A",
                "email": "vlad.popescu@student.com",
                "year": 4,
                "lectures": [
                    {
                        "id": 21,
                        "name": "PW",
                        "year": 3,
                        "credits": 5
                    },
                    {
                        "id": 22,
                        "name": "SD",
                        "year": 3,
                        "credits": 4
                    },
                    {
                        "id": 19,
                        "name": "SOC",
                        "year": 3,
                        "credits": 4
```


Students / getById
GET
http://localhost:8082/api/academia/students?id=11
Params
Authorization
Headers (8)
Body
Scripts
Settings
Body
Cookies
Headers (14)
Test Results
Pretty
Raw
Preview
Visualize
JSON
{
"id": 11,
"firstName": "Simon",
"lastName": "Ionescu",
"groupName": "1408B",
"email": "simon.ionescu@student.com",
"year": 4,
"lectures": [
{
"id": 23,
"name": "PDM",
"year": 4,
"credits": 4
}
],
"_links": {
"self": {
"href": "http://localhost:8082/api/academia/students?id=11"
},
"all-students": {
"href": "http://localhost:8082/api/academia/students?page=0&size=10{&firstName,lastName,groupName,year}",
"templated": true
}
}
}


Students / getByEmail
GET
http://localhost:8082/api/academia/students/by-email?email=simon.ionescu@student.com
Params
Authorization
Headers (8)
Body
Scripts
Settings
Body
Cookies
Headers (14)
Test Results
Pretty
Raw
Preview
Visualize
JSON
{
"id": 11,
"firstName": "Simon",
"lastName": "Ionescu",
"groupName": "1408B",
"email": "simon.ionescu@student.com",
"year": 4,
"lectures": [
{
"id": 23,
"name": "PDM",
"year": 4,
"credits": 4
}
],
"_links": {
"self": {
"href": "http://localhost:8082/api/academia/students?id=11"
},
"all-students": {
"href": "http://localhost:8082/api/academia/students?page=0&size=10{&firstName,lastName,groupName,year}",
"templated": true
}
}
}

Users

Users / **getAllUsers**

GET http://localhost:8083/api/idm/users

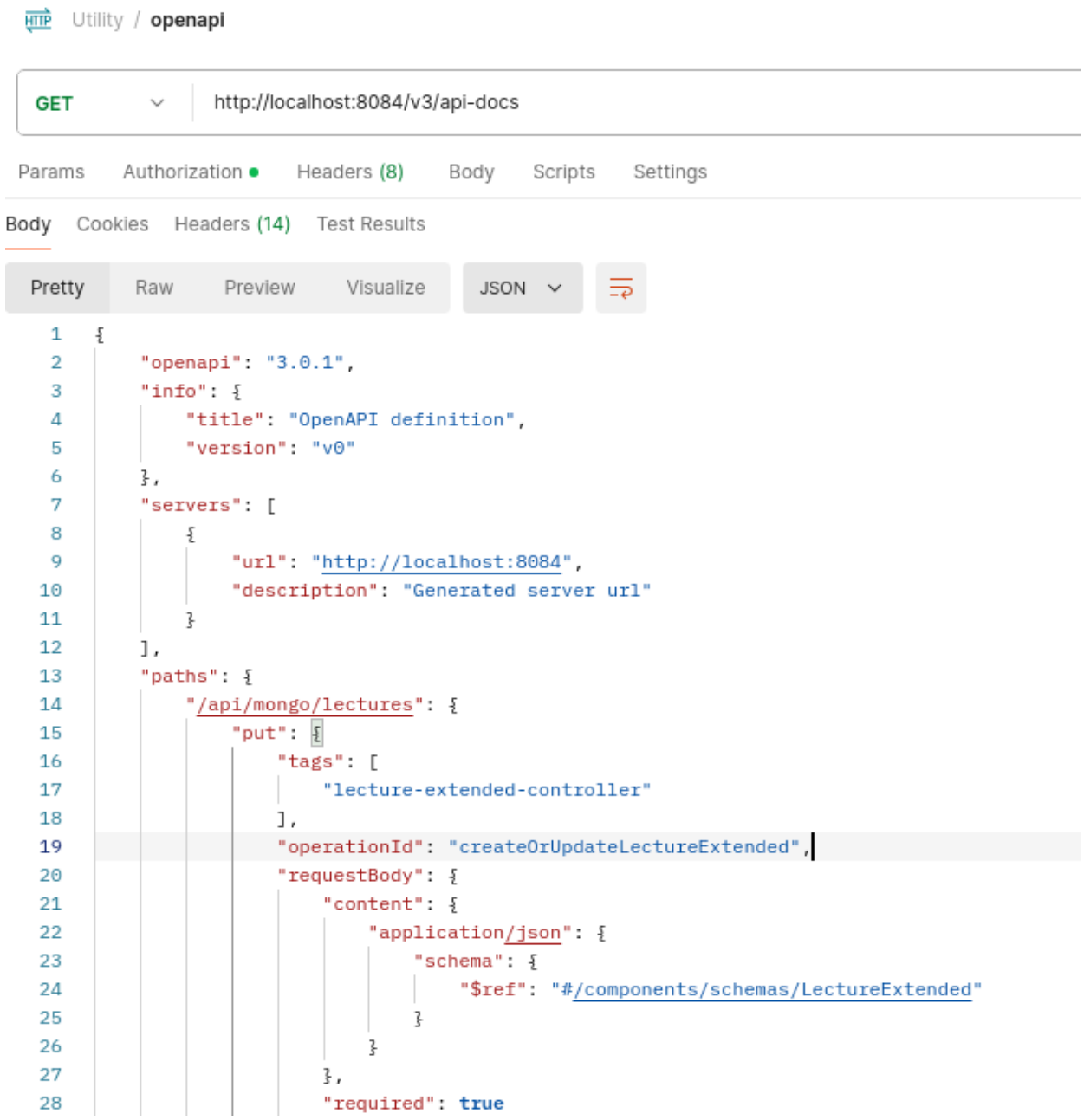
Params Authorization Headers (9) Body Scripts Settings

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON


```
[
    {
        "id": 13,
        "email": "mitica.dobrin@academic.com",
        "password": "md_a",
        "role": "professor"
    },
    {
        "id": 14,
        "email": "admin@staff.com",
        "password": "parola_strong",
        "role": "admin"
    },
    {
        "id": 15,
        "email": "robert.popescu@student.com",
        "password": "rp_s",
        "role": "student"
    },
    {
        "id": 16,
        "email": "sofia.lemnea@student.com",
        "password": "sl_s",
        "role": "student"
    },
    {
        "id": 17,
        "email": "simona.rosu@student.com",
```

openAPI


Utility / openapi
GET
http://localhost:8084/v3/api-docs
Params
Authorization
Headers (8)
Body
Scripts
Settings
Body
Cookies
Headers (14)
Test Results
Pretty
Raw
Preview
Visualize
JSON
{
"openapi": "3.0.1",
"info": {
"title": "OpenAPI definition",
"version": "v0"
},
"servers": [
{
"url": "http://localhost:8084",
"description": "Generated server url"
}
],
"paths": {
"/api/mongo/lectures": {
"put": {
"tags": [
"lecture-extended-controller"
],
"operationId": "createOrUpdateLectureExtended",
"requestBody": {
"content": {
"application/json": {
"schema": {
"$ref": "#/components/schemas/LectureExtended"
}
}
},
"required": true