

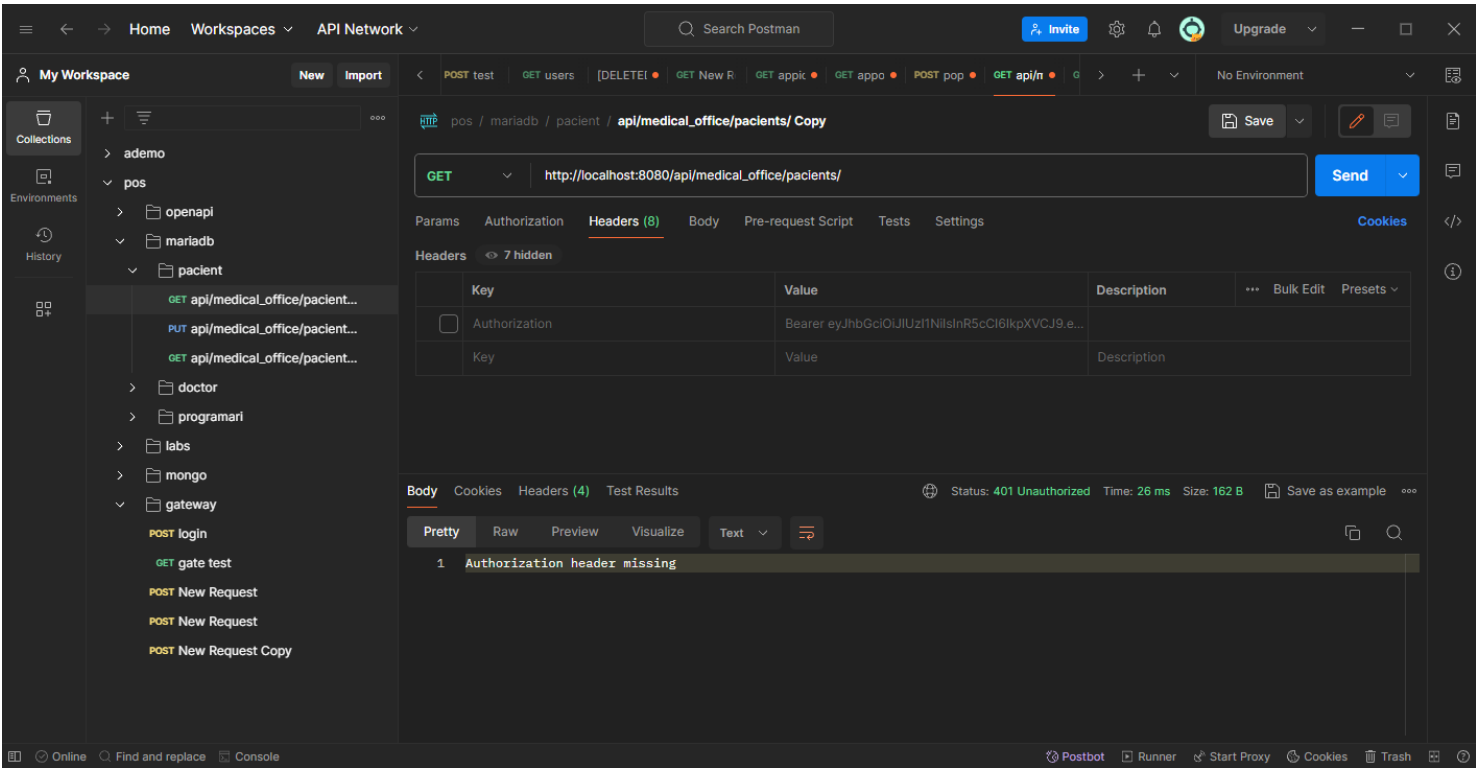
Documentatie proiect Resftul in medicine -Matei Rares 1410A

Server pacienti-doctori-programari (port: 8080)

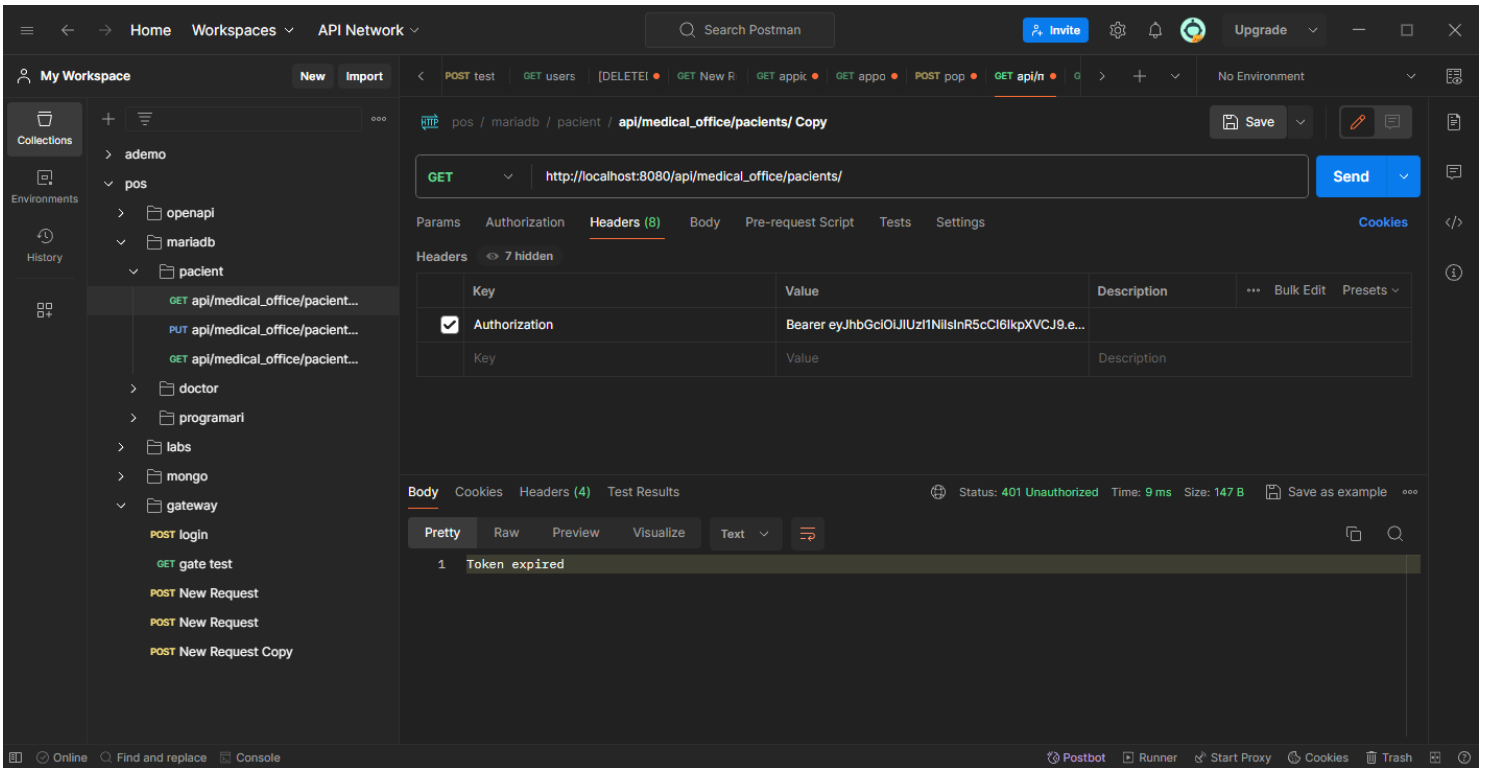
Serverul accepta cereri doar de la localhost:5000 sau localhost:8081

Majoritatea endpoint-urilor sunt protejate cu header Authorization, odata ce header-ul este prezent se face o verificare aditionala cu ajutorul componentei de IDM asupra JWT, unde se obtine totodata id-ul si rolul userului

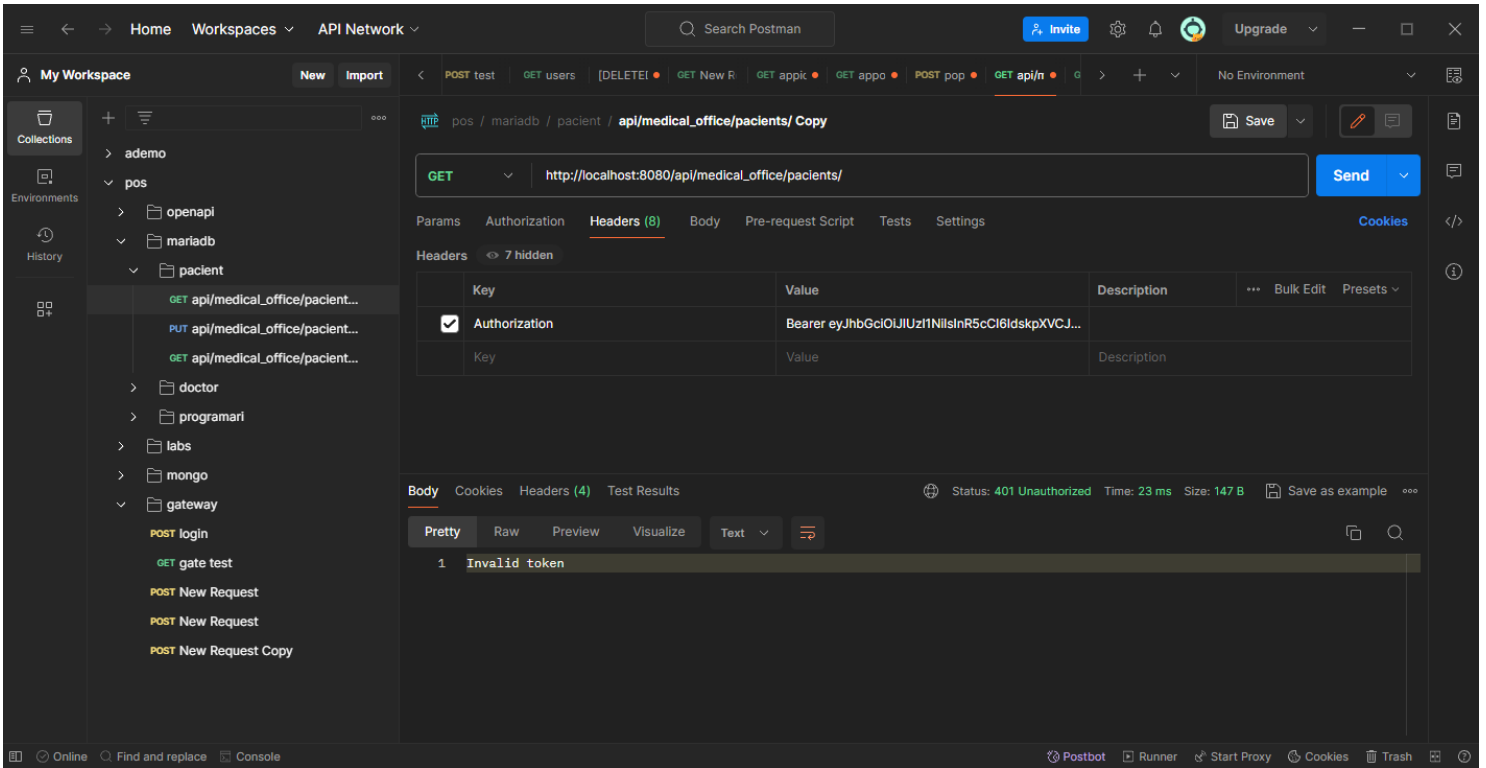
Lipsa headerului Authorization:



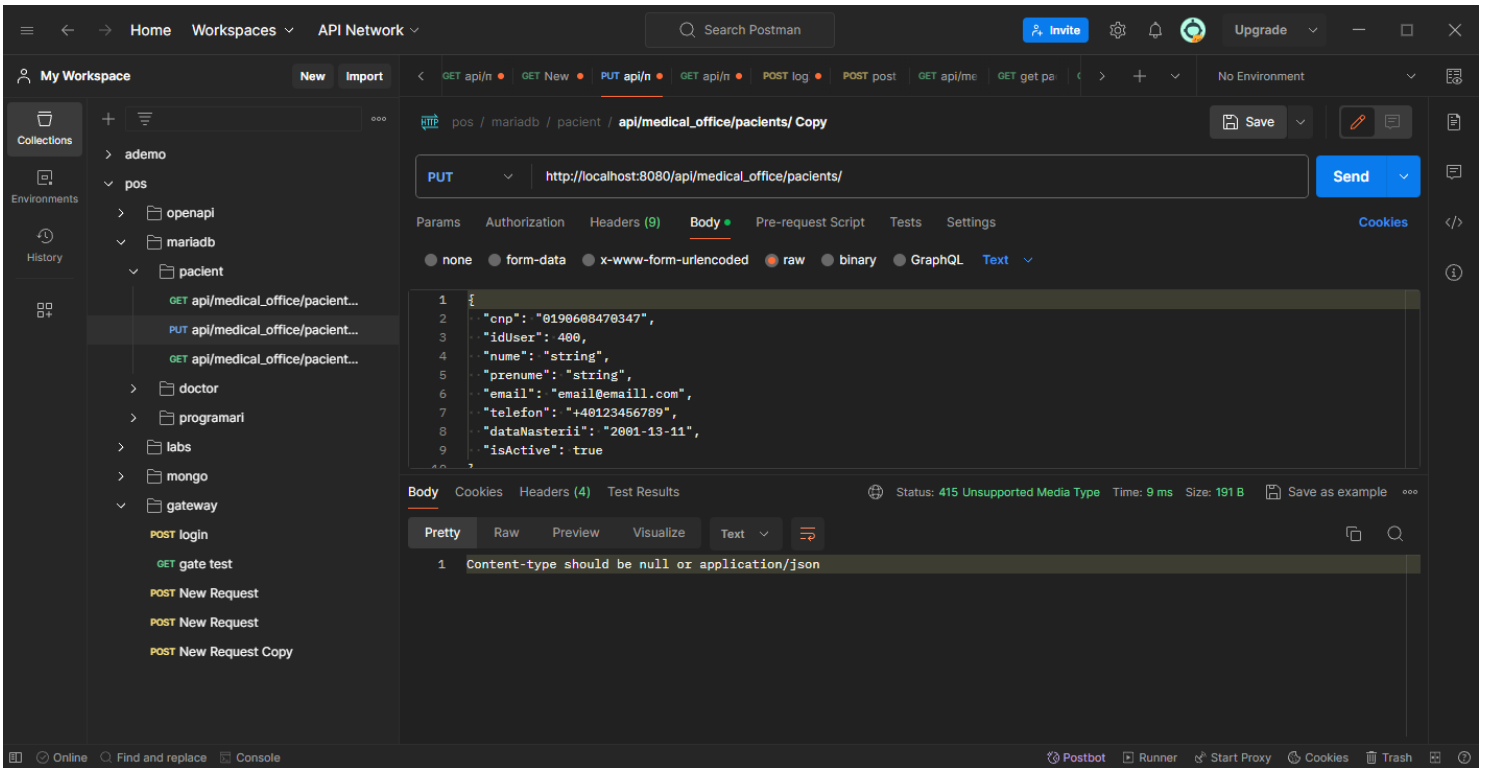
Token expirat:



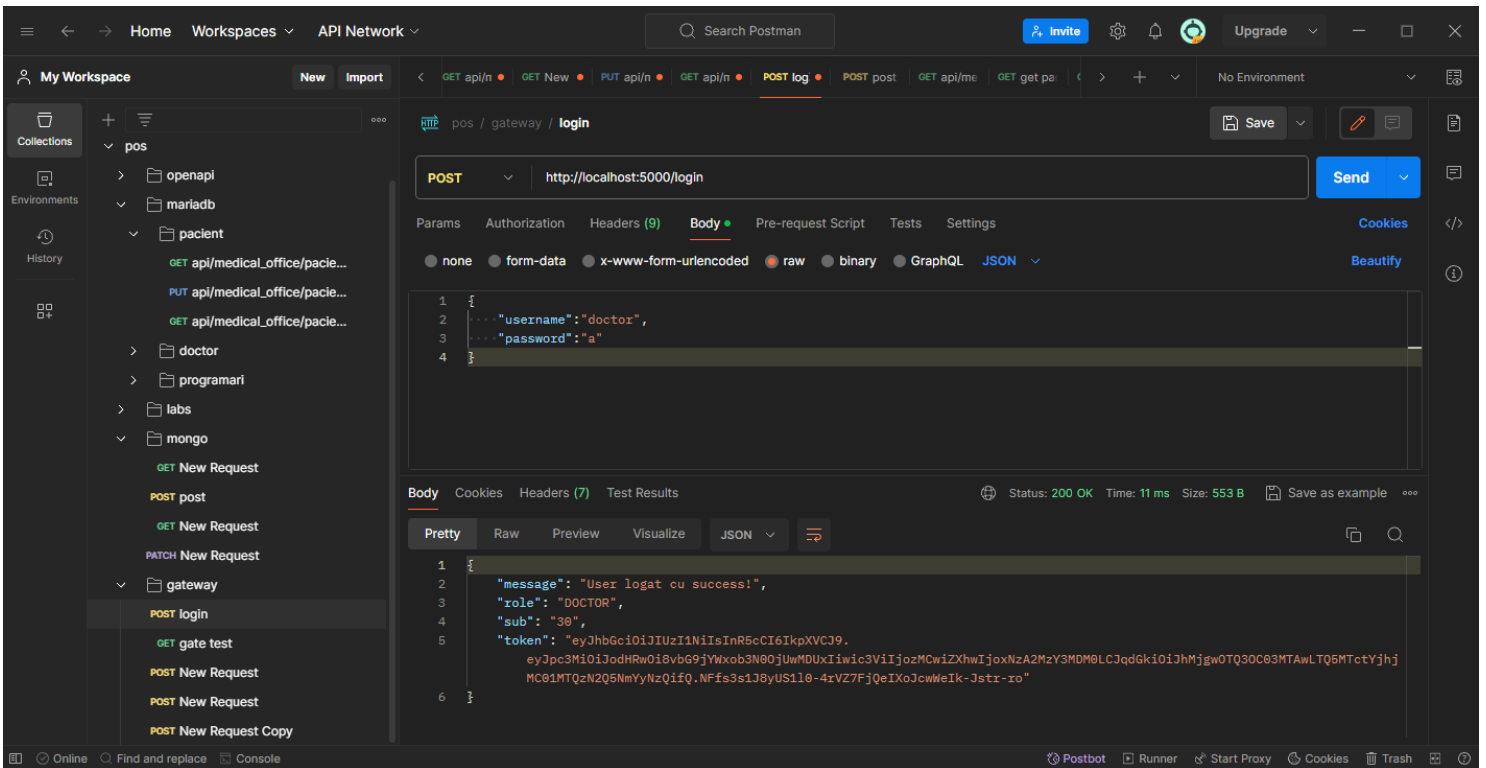
Token invalid(daca e un token incorect):

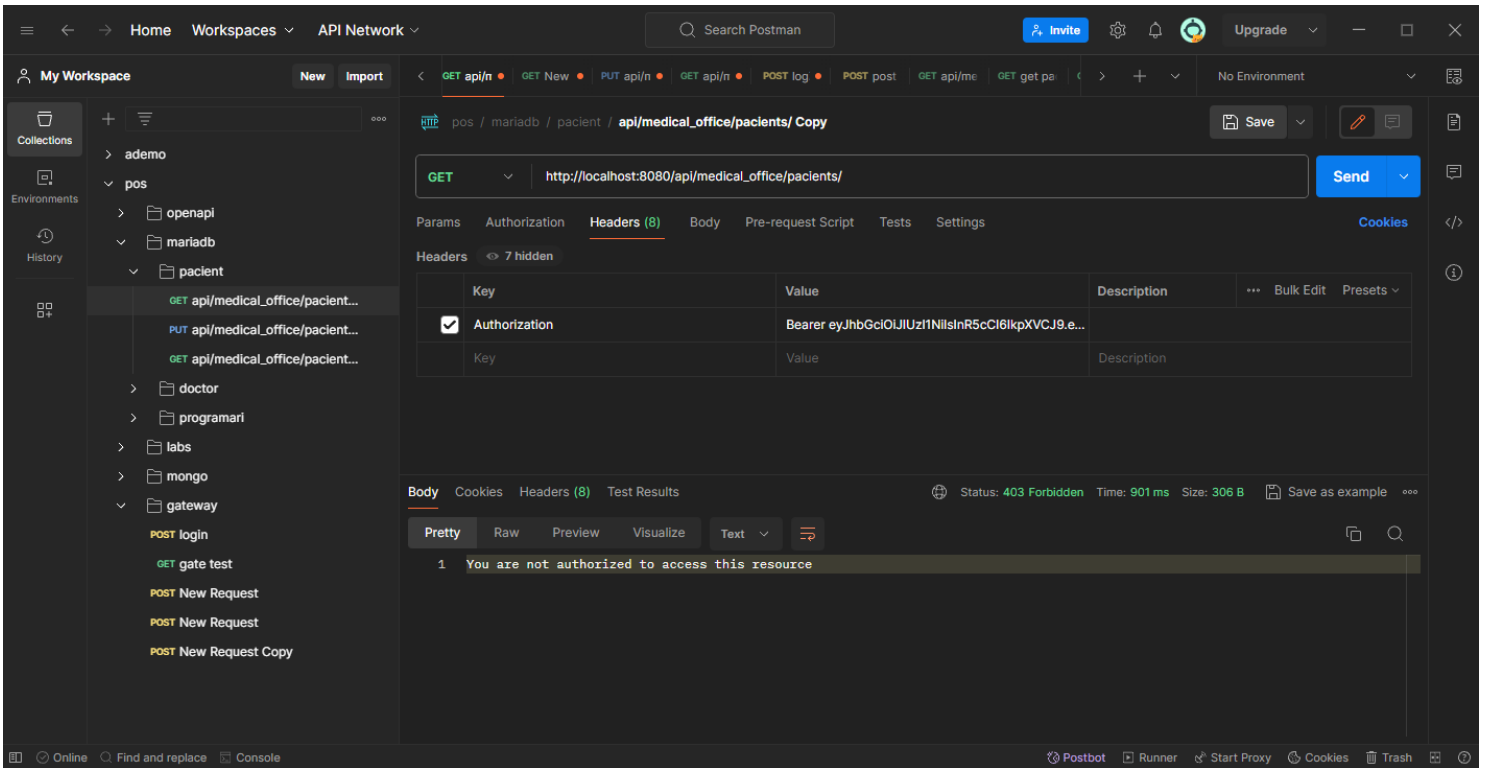


Daca cererea contine un body acesta trebuie sa fie application/json

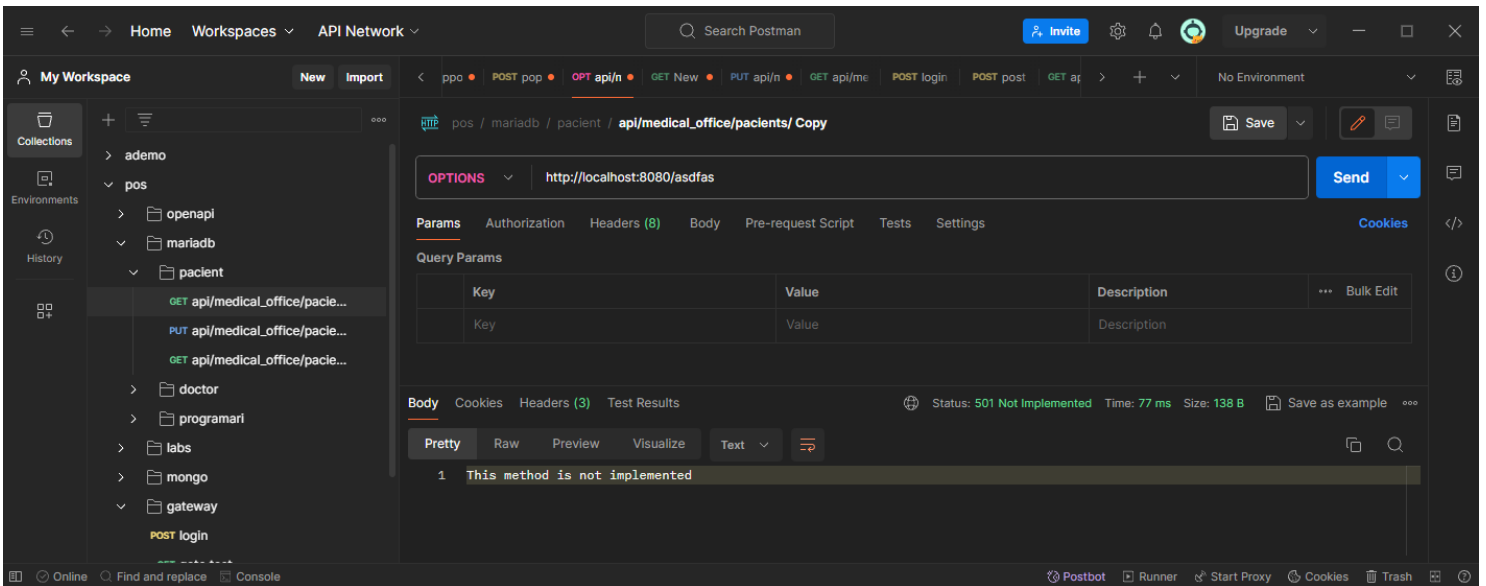


Daca utilizatorul nu are dreptul la un anumit endpoint( ex: doctor care acceseaza toti pacientii)

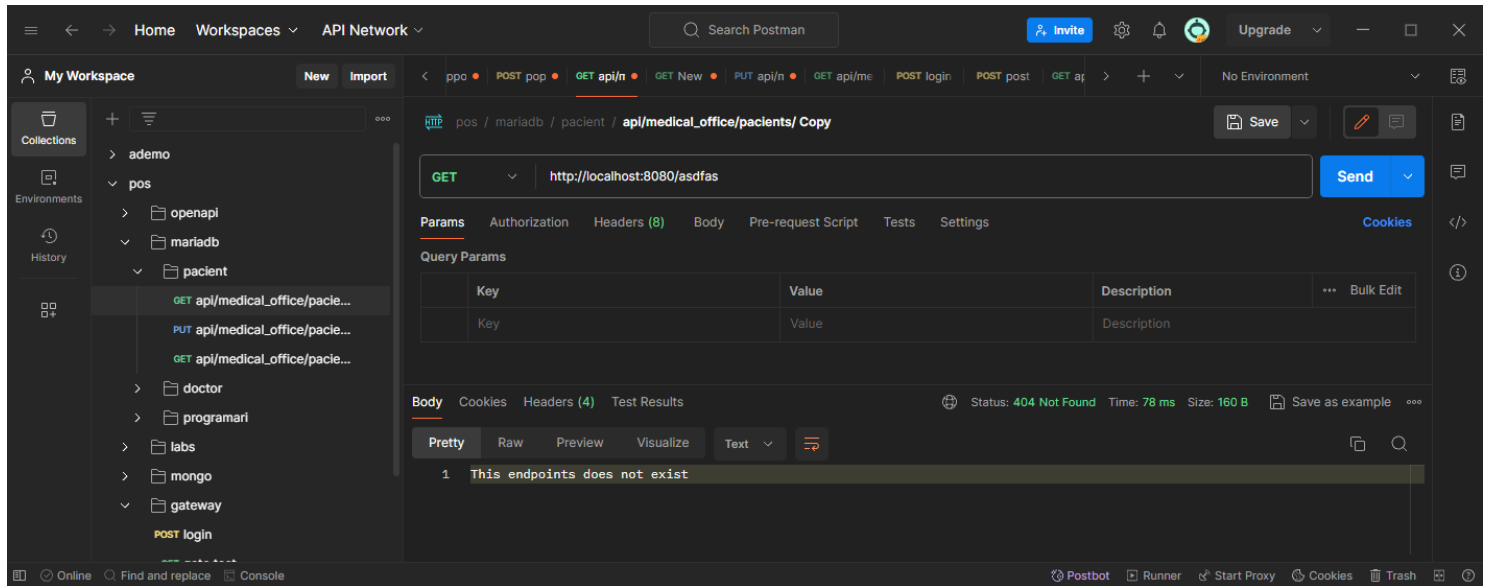




Raspuns pentru o metoda de tip OPTIONS



Raspuns pentru cerere la un endpoint inexistent



## Pacienti-Controller

GET /api/medical\_office/patients/{id} (poate fi accesat doar de pacientul tinta sau de un admin)

Home Workspaces API Network

Search Postman

My Workspace

pos / mariadb / patient / api/medical\_office/pacients/{id} Copy

GET http://localhost:8080/api/medical\_office/pacients/29

Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies Headers (8) Test Results

Status: 200 OK Time: 142 ms Size: 847 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "cnp": "0190308470347",
3   "idUser": 29,
4   "nume": "string",
5   "prenume": "string",
6   "email": "email@email2.com",
7   "telefon": "+40123456789",
8   "dataNasterii": "2002-01-11",
9   "isActive": true,
10  "_links": {
11    "self": {
12      "href": "http://localhost:8080/api/medical_office/pacients/29",
13      "type": "GET"
14    },
15    "appointments": {
16      "href": "http://localhost:8080/api/medical_office/pacients/29/appointments?date,type=",
17      "type": "GET",
18      "templated": true
19    },
20    "createAppointment": {
21      "href": "http://localhost:8080/api/medical_office/pacients/29/appointments",
22      "type": "POST"
23    },
24    "parent": {
25      "href": "http://localhost:8080/api/medical_office/pacients/",
26      "type": "GET"
27    }
28  }
29 }
```

PUT /api/medical\_office/pacients/{id} (poate fi accesat doar de pacientul tinta sau admin)

PUT [http://localhost:8080/api/medical\\_office/pacients/](http://localhost:8080/api/medical_office/pacients/) Send

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies

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

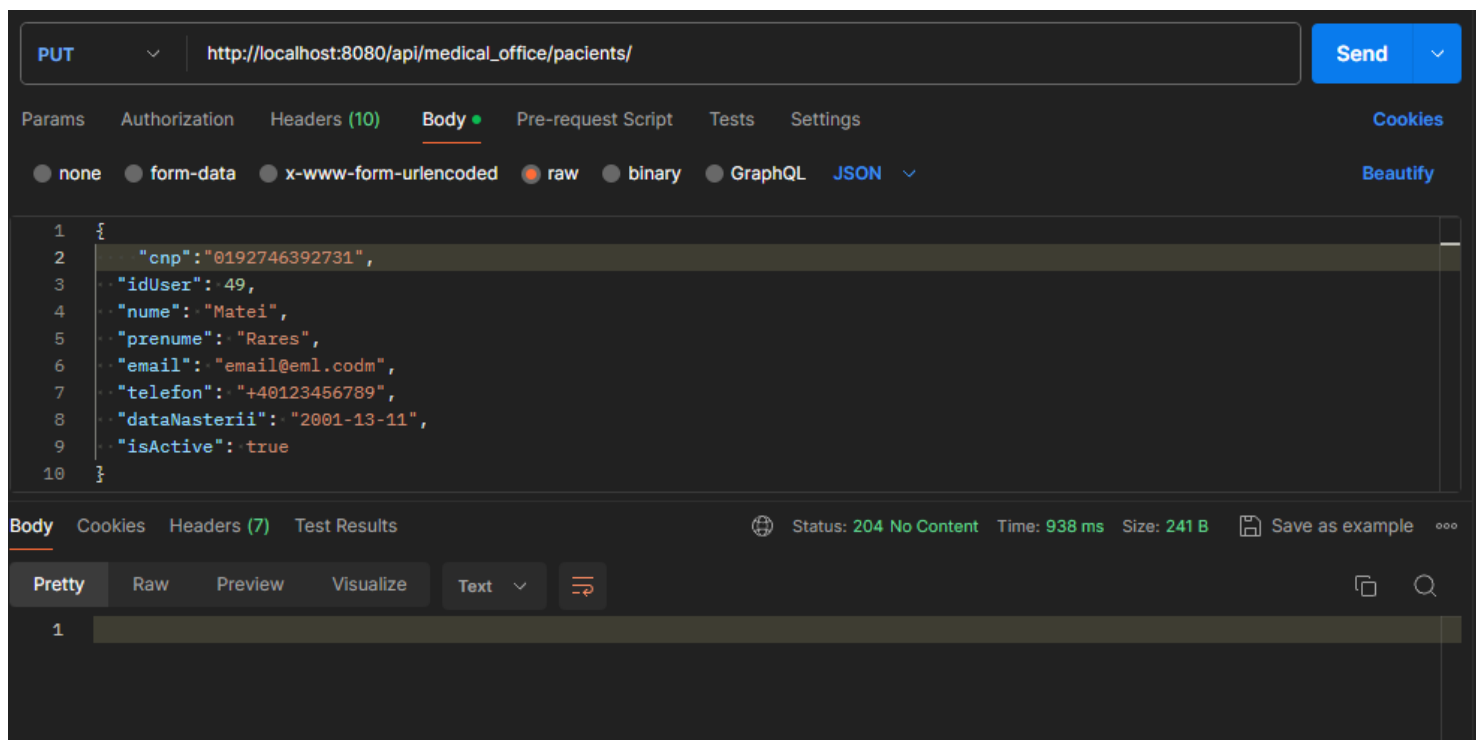
```
1 {
2   "cnp": "0192746392731",
3   "idUser": 49,
4   "nume": "Matei",
5   "prenume": "Rares",
6   "email": "email@eml.codm",
7   "telefon": "+40123456789",
8   "dataNasterii": "2001-13-11",
9   "isActive": true
10 }
```

Body Cookies Headers (8) Test Results Status: 201 Created Time: 109 ms Size: 823 B Save as example

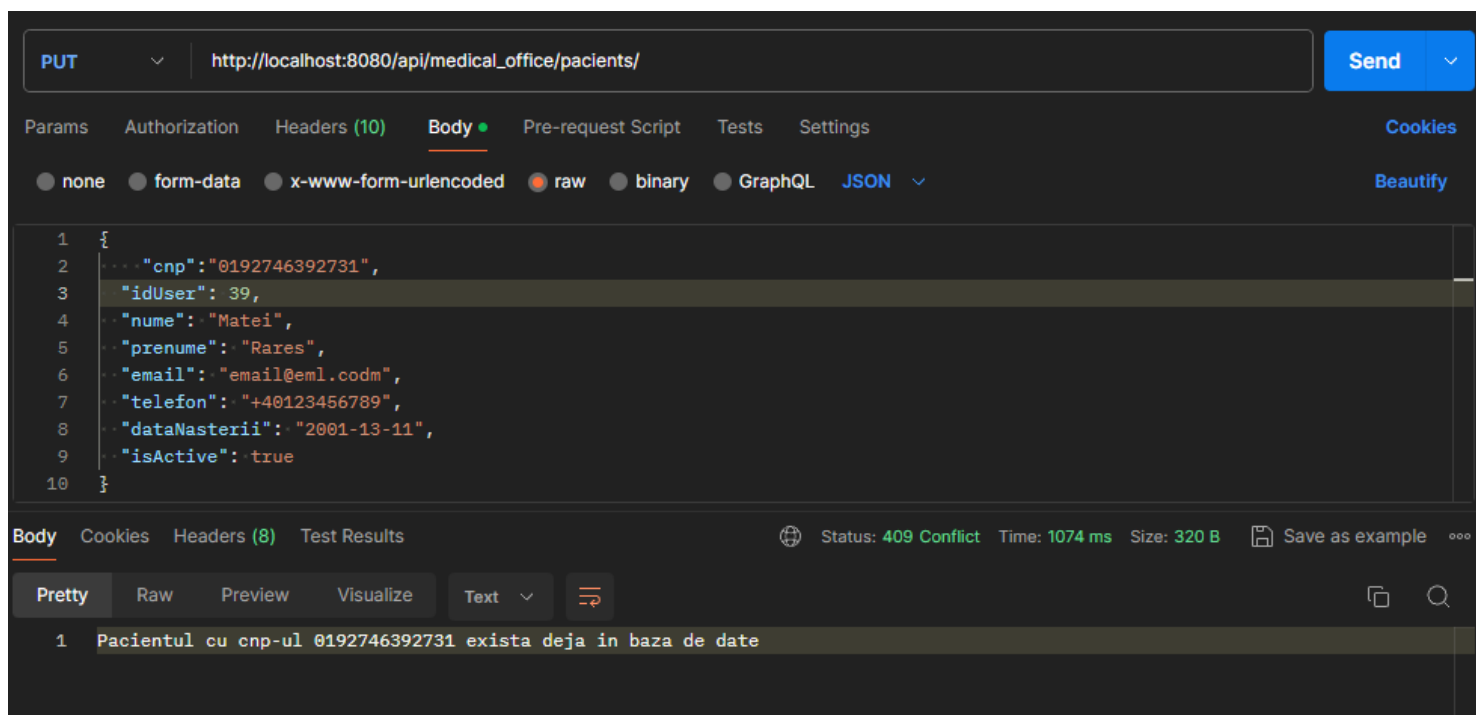
Pretty Raw Preview Visualize JSON

```
1 {
2   "cnp": "0192746392731",
3   "idUser": 49,
4   "nume": "Matei",
5   "prenume": "Rares",
6   "email": "email@eml.codm",
7   "telefon": "+40123456789",
8   "dataNasterii": "2002-01-11",
9   "isActive": true,
10  "_links": {
11    "self": {
12      "href": "http://localhost:8080/api/medical_office/pacients/",
13      "type": "PUT"
14    },
15    "create_appointment": {
16      "href": "http://localhost:8080/api/medical_office/pacients/{id}/appointments",
17      "type": "POST",
18      "templated": true
19    },
20    "parent": {
21      "href": "http://localhost:8080/api/medical_office/pacients/",
22      "type": "GET"
23    },
24    "get_pacient": {
25      "href": "http://localhost:8080/api/medical_office/pacients/49",
```

Put din nou cu aceleasi date

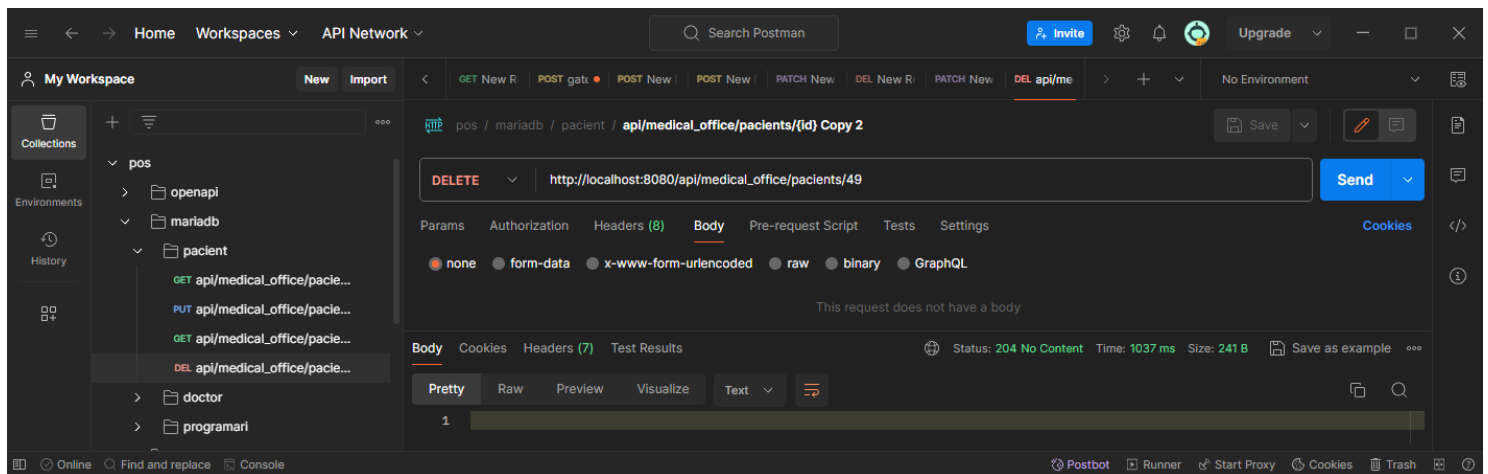


Raspunsuri posibile pentru acest Put include verificarile pe campurile unice cum ar fi cnp, idUser, email si pe cele care necesita verificari de sintaxa cum ar fi email( sub format \*@\*.\*), data nasterii (care trebuie sa reprezinte un adult),telefon("+40" +9 caractere) si cnp(string de 13 cifre care incepe cu 0), numele si prenumele( sa nu fie nule si sa aiba un maxim de caractere). Aici se verifica si daca un camp lipseste.



Delete /api/medical\_office/patients/{id} (aici se verifica daca resursa cautata exista, accesat doar de admin)





Doctori

Get /api/medical\_office/doctors/{id} (nu poate fi accesat de catre alti doctori)

Home Workspaces API Network Search Postman

My Workspace New Import

Collections

- demo
- pos
  - openapi
  - mariaadb
    - pacient
      - doctor
        - PUT api/medical\_office/doctors/
        - GET getall
        - GET api/medical\_office/doctors...
        - GET api/medical\_office/doctors...
        - GET get patients
      - programari
      - labs
      - mongo
      - gateway
        - POST login
        - GET gate test
        - POST New Request
        - POST New Request
        - POST New Request Copy

Environments

History

api/medical\_office/doctors?specialization Copy 2

GET http://localhost:8080/api/medical\_office/doctors/30

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Headers 7 hidden

Key	Value	Description
Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.e...	
Key	Value	Description

Body Cookies Headers (8) Test Results Status: 200 OK Time: 80 ms Size: 848 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "id_doctor": 1,
3   "idUser": 30,
4   "nume": "Menghel",
5   "prenume": "alex",
6   "email": "string@string.com",
7   "telefon": "+40123459789",
8   "specializare": "UROLOG",
9   "_links": {
10    "self": {
11      "href": "http://localhost:8080/api/medical_office/doctors/30",
12      "type": "GET"
13    },
14    "get_appointments": {
15      "href": "http://localhost:8080/api/medical_office/doctors/30/appointments",
16      "type": "GET"
17    },
18    "createAppointment": {
19      "href": "http://localhost:8080/api/medical_office/doctors/30/appointments",
20      "type": "POST"
21    },
22    "parent": {
23      "href": "http://localhost:8080/api/medical_office/doctors/{?page,items_per_page,name,specializare}",
24      "type": "GET",
25      "templated": true
26    }
27  }
28 }
```

Online Find and replace Console Postbot Runner Start Proxy Cookies Trash

PUT /api/medical\_office/doctors/{id} (accesat doar de admin)

HomeWorkspacesAPI Network

Search Postman

Invite

Upgrade

My Workspace

NewImport

pos / mariadb / doctor / api/medical\_office/doctors/

Save

Send

PUT

http://localhost:8080/api/medical\_office/doctors/

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Cookies

Beautify

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   "idUser": 305,
3   "name": "Anghelutu",
4   "prenume": "Andrei",
5   "email": "string@sdsds90tring.com",
6   "telefon": "+40123459189",
7   "specializare": 2
8 }
```

Body

Cookies

Headers (8)

Test Results

Status: 201 Created

Time: 273 ms

Size: 866 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "id_doctor": 5,
3   "idUser": 305,
4   "name": "Anghelutu",
5   "prenume": "Andrei",
6   "email": "string@sdsds90tring.com",
7   "telefon": "+40123459189",
8   "specializare": "UROLOG",
9   "_links": {
10    "self": {
11      "href": "http://localhost:8080/api/medical_office/doctors/305",
12      "type": "GET"
13    },
14    "get_appointments": {
15      "href": "http://localhost:8080/api/medical_office/doctors/305/appointments",
16      "type": "GET"
17    },
18    "createAppointment": {
19      "href": "http://localhost:8080/api/medical_office/doctors/305/appointments",
20      "type": "POST"
21    },
22    "parent": {
23      "href": "http://localhost:8080/api/medical_office/doctors/{?page,items_per_page,name,specializare}",
24      "type": "GET"
25    }
26  }
27 }
```

Online

Find and replace

Console

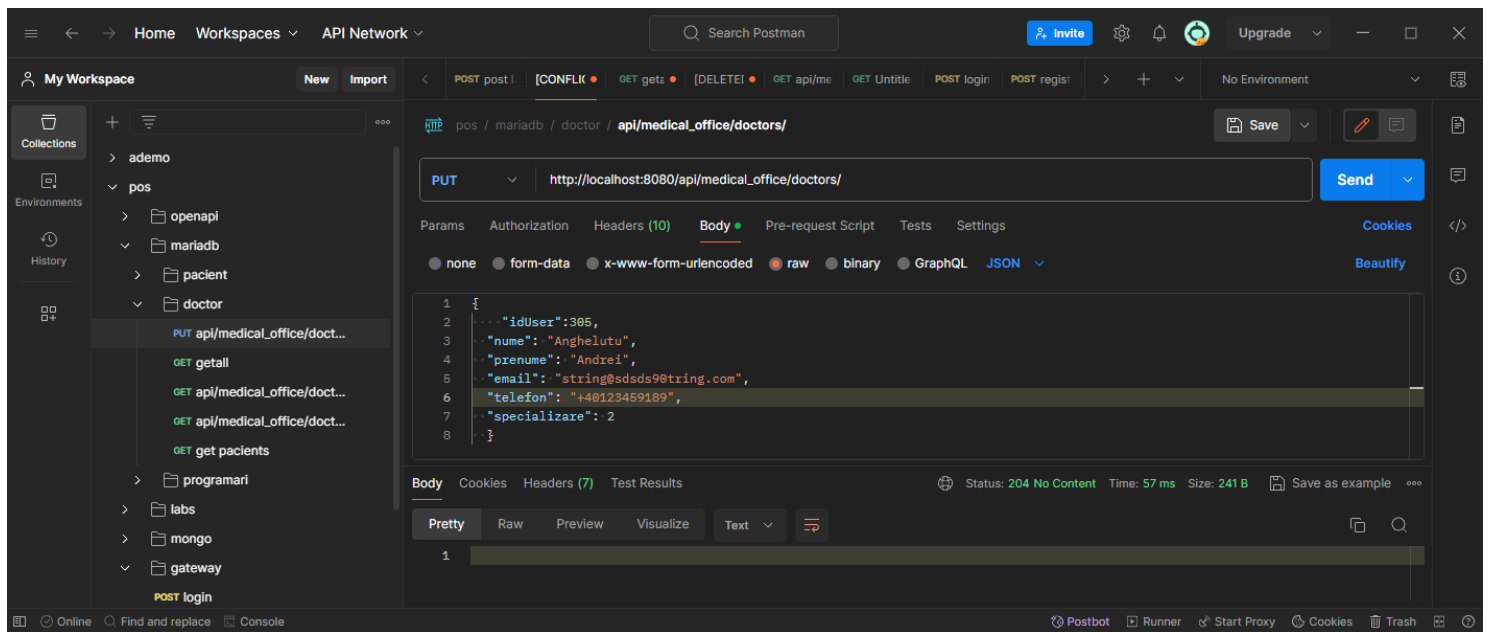
Postbot

Runner

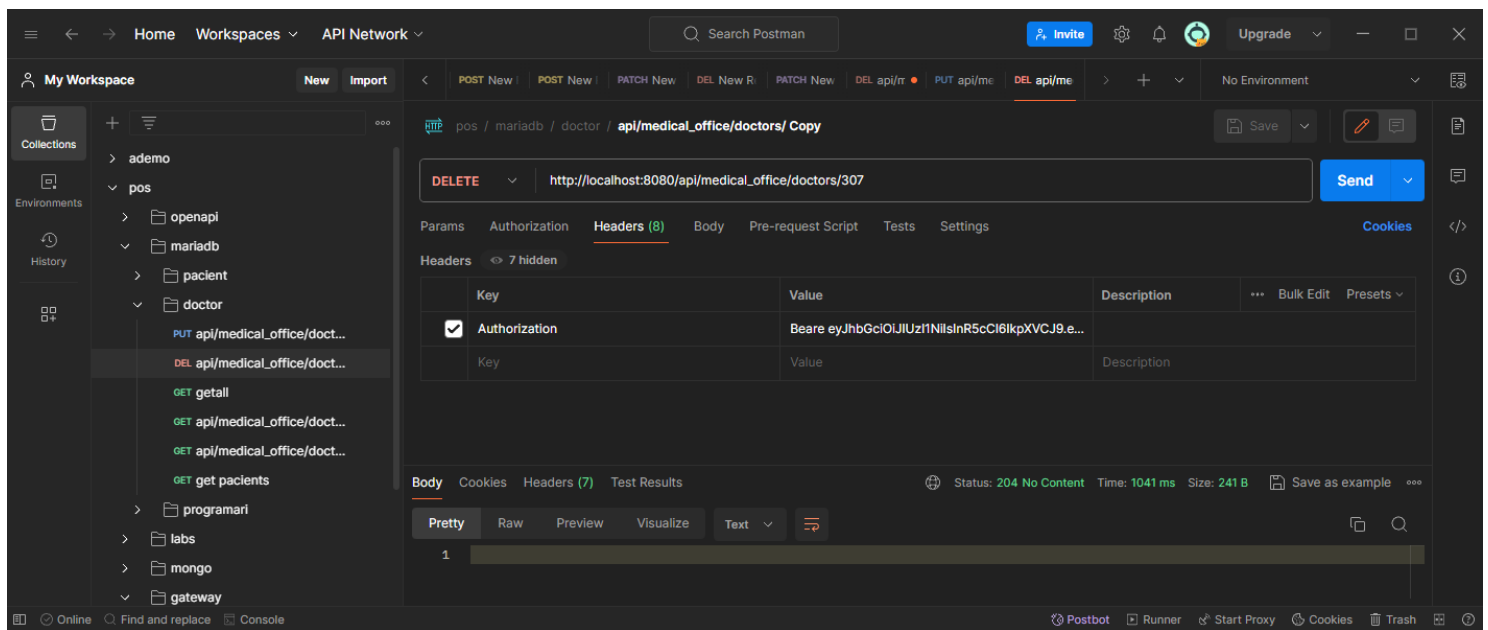
Start Proxy

Cookies

Trash



Delete /api/medical\_office/doctors/{id} (accesat doar de admin)



GET /api/medical\_office/doctors?specialization=... (verifica daca specializarea e corecta)

Home Workspaces API Network

Search Postman

My Workspace

pos / mariadb / doctor / **getall**

GET [http://localhost:8080/api/medical\\_office/doctors/?specializare=dermatolog](http://localhost:8080/api/medical_office/doctors/?specializare=dermatolog)

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
name	papuc	
items_per_page	0	
page	1	
<input checked="" type="checkbox"/> specializare	dermatolog	

Body Cookies Headers (8) Test Results

Status: 200 OK Time: 1074 ms Size: 649 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "_links": {
3     "self": {
4       "href": "http://localhost:8080/api/medical_office/doctors/?specializare=dermatolog&page,items_per_page,name",
5       "type": "GET",
6       "templated": true
7     },
8     "parent": {
9       "href": "http://localhost:8080/api/medical_office/doctors/{?page,items_per_page,name,specializare}",
10      "type": "GET",
11      "templated": true
12    },
13    "create_doctor": {
14      "href": "http://localhost:8080/api/medical_office/doctors/",
15      "type": "POST"
16    }
17  }
18 }
```

GET /api/medical\_office/doctors?page=...&items\_per\_page= ( paginile incep de la 0, nr implicit de iteme este 2)

HomeWorkspacesAPI Network

Search Postman

Invite

Upgrade

My Workspace

NewImport

pos / mariadb / doctor / getall

Save

Send

GET

http://localhost:8080/api/medical\_office/doctors/?items\_per\_page=1&page=1

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
<input type="checkbox"/> name	papuc		
<input checked="" type="checkbox"/> items_per_page	1		
<input checked="" type="checkbox"/> page	1		
<input type="checkbox"/> specializare	dermatolog		
Key	Value	Description	

Body

Cookies

Headers (8)

Test Results

Status: 200 OK

Time: 147 ms

Size: 925 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "embedded": {
3     "doctorDtolist": [
4       {
5         "id_doctor": 2,
6         "idUser": 1,
7         "nume": "Menghel",
8         "prenume": "alexandra",
9         "email": "string@string.com",
10        "telefon": "+40123456789",
11        "specializare": "UROLOG",
12        "_links": {
13          "self": {
14            "href": "http://localhost:8080/api/medical_office/doctors/2",
15            "type": "GET"
16          }
17        }
18      }
19    ],
20  },
21  "_links": {
22    "self": {
23      "href": "http://localhost:8080/api/medical_office/doctors/?page=1&items_per_page=1&name,specializare",
24      "templated": true
25    },
26    "prev": {
27      "href": "http://localhost:8080/api/medical_office/doctors/?page=0&items_per_page=1&name,specializare",
28      "templated": true
29    },
30    "next": {
31      "href": "http://localhost:8080/api/medical_office/doctors/?page=2&items_per_page=1&name,specializare",
32      "templated": true
33    }
34  }
35 }
```

Online

Find and replace

Console

Postbot

Runner

Start Proxy

Cookies

Trash

HomeWorkspacesAPI Network

Search Postman

Invite

Upgrade

My Workspace

NewImport

pos / mariadb / doctor / getall

Save

Send

GET

http://localhost:8080/api/medical\_office/doctors/?items\_per\_page=12&page=5

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

Key	Value	Description	Bulk Edit
<input type="checkbox"/> name	papuc		
<input checked="" type="checkbox"/> items_per_page	12		
<input checked="" type="checkbox"/> page	5		
<input type="checkbox"/> specializare	dermatolog		
Key	Value	Description	

Body

Cookies

Headers (8)

Test Results

Status: 200 OK

Time: 74 ms

Size: 544 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "_links": {
3     "self": {
4       "href": "http://localhost:8080/api/medical_office/doctors/?page=5&items_per_page=12{name,specializare}",
5       "templated": true
6     },
7     "lastPageWithDoctors": {
8       "href": "http://localhost:8080/api/medical_office/doctors/?page=0&items_per_page=12{name,specializare}",
9       "templated": true
10    }
11  }
12 }
```

Online

Find and replace

Console

Postbot

Runner

Start Proxy

Cookies

Trash

Home Workspaces API Network Search Postman

My Workspace New Import

pos / mariadb / doctor / getall

GET http://localhost:8080/api/medical\_office/doctors/?items\_per\_page=12&page=0 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
name	papuc	
items_per_page	12	
page	0	
specializare	dermatolog	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 79 ms Size: 1.56 KB Save as example

Pretty Raw Preview Visualize JSON

```
41      "specializare": "UROLOG",
42      "_links": {
43        "self": {
44          "href": "http://localhost:8080/api/medical_office/doctors/3",
45          "type": "GET"
46        }
47      },
48    },
49    {
50      "id_doctor": 4,
51      "idUser": 300,
52      "nume": "Anghelu",
53      "prenume": "alex",
54      "email": "string@s90tring.com",
55      "telefon": "+40123459789",
56      "specializare": "UROLOG",
57      "_links": {
58        "self": {
59          "href": "http://localhost:8080/api/medical_office/doctors/4",
60          "type": "GET"
61        }
62      },
63    },
64    {
65      "id_doctor": 5,
66      "idUser": 305,
67      "nume": "Anghelutu",
68      "prenume": "Andrei",
69      "email": "string@sdsds90tring.com",
70      "telefon": "+40123459189",
71      "specializare": "UROLOG",
72      "_links": {
73        "self": {
74          "href": "http://localhost:8080/api/medical_office/doctors/5",
75          "type": "GET"
76        }
77      },
78    },
79  ],
80  "_links": {
81    "self": {
82      "href": "http://localhost:8080/api/medical_office/doctors/?page=0&items_per_page=12&name=specializare",
83      "templated": true
84    }
85  }
86  }
87  }
```

GET /api/medical\_office/doctors?name=...



Home Workspaces API Network

Search Postman

My Workspace

pos / mariadb / doctor / getall

GET http://localhost:8080/api/medical\_office/doctors/?name=anghelu

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> name	anghelu	
<input type="checkbox"/> items_per_page	12	
<input type="checkbox"/> page	0	
<input type="checkbox"/> specializare	dermatolog	
Key	Value	Description

Body Cookies Headers (8) Test Results

Status: 200 OK Time: 57 ms Size: 1.04 KB Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "_embedded": {
3     "doctorDtoList": [
4       {
5         "id_doctor": 4,
6         "idUser": 300,
7         "name": "Anghelu",
8         "prenume": "alex",
9         "email": "string@s90tring.com",
10        "telefon": "+40123459789",
11        "specializare": "UROLOG",
12        "_links": {
13          "self": {
14            "href": "http://localhost:8080/api/medical_office/doctors/4",
15            "type": "GET"
16          }
17        }
18      },
19      {
20        "id_doctor": 5,
21        "idUser": 305,
22        "name": "Anghelutu",
23        "prenume": "Andrei",
24        "email": "string@sdsds90tring.com",
25        "telefon": "+40123459189",
26        "specializare": "UROLOG",
27        "_links": {
28          "self": {
29            "href": "http://localhost:8080/api/medical_office/doctors/5",
30            "type": "GET"
31          }
32        }
33      }
34    ]
35  },
36  "_links": {
37    "self": {
38      "href": "http://localhost:8080/api/medical_office/doctors/?name=anghelu{@page,items_per_page,specializare}",
39      "type": "GET",
40      "templated": true
41    },
42    "parent": {
43      "href": "http://localhost:8080/api/medical_office/doctors/{@page,items_per_page,name,specializare}",
44      "type": "GET",
45      "templated": true
46    }
47  }
48 }
```

Programari

Get /api/medical\_office/patients/{id}/appointments

Home Workspaces API Network

Search Postman

My Workspace

pos / mariadb / programari / appoint params pacient

GET http://localhost:8080/api/medical\_office/pacients/29/appointments

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
date	2026	
type	year	

Body Cookies Headers (8) Test Results

Status: 200 OK Time: 109 ms Size: 1.07 KB Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "_embedded": {
3     "programareDtoList": [
4       {
5         "id_user_pacient": 29,
6         "id_user_doctor": 30,
7         "data": "2024-02-08T21:57:00.000+00:00",
8         "status": null,
9         "_links": {
10          "self": {
11            "href": "http://localhost:8080/api/medical_office/pacients/29",
12            "type": "GET"
13          }
14        }
15      },
16      {
17        "id_user_pacient": 29,
18        "id_user_doctor": 300,
19        "data": "2024-02-13T13:00:00.000+00:00",
20        "status": null,
21        "_links": {
22          "self": {
23            "href": "http://localhost:8080/api/medical_office/pacients/29",
24            "type": "GET"
25          }
26        }
27      },
28      {
29        "id_user_pacient": 29,
30        "id_user_doctor": 305,
31        "data": "2024-02-22T13:57:00.000+00:00",
32        "status": null,
33        "_links": {
34          "self": {
35            "href": "http://localhost:8080/api/medical_office/pacients/29",
36            "type": "GET"
37          }
38        }
39      }
40    ]
41  },
42  "_links": {
43    "self": {
44      "href": "http://localhost:8080/api/medical_office/pacients/29/appointments?date,type",
45      "type": "GET",
46      "templated": true
47    },
48    "parent": {
49      "href": "http://localhost:8080/api/medical_office/pacients/29",
50      "type": "GET"
51    }
52  }
53 }
```

POST/api/medical\_office/pacients/{id}/appointments

Postman interface showing a workspace named "API Network". The left sidebar displays a collection of requests under "My Workspace". The main panel shows a POST request to `http://localhost:8080/api/medical_office/patients/29/appointments`. The request body is a JSON object:

```
1 {
2   "id_user_patient": 29,
3   "id_user_doctor": 30,
4   "data": "2029-12-29T12:59:11"
5 }
```

The response body is displayed in the "Body" tab, showing a JSON object with a status of 201 Created, time of 163 ms, and size of 692 B. The response body is:

```
1 {
2   "id_user_patient": 29,
3   "id_user_doctor": 30,
4   "data": "2029-12-29T12:59:11.000+00:00",
5   "status": null,
6   "_links": {
7     "self": {
8       "href": "http://localhost:8080/api/medical_office/patients/29/appointments",
9       "type": "POST"
10    },
11    "getAllAppointments": {
12      "href": "http://localhost:8080/api/medical_office/patients/29/appointments?date=..&type=...",
13      "type": "GET",
14      "templated": true
15    },
16    "parent": {
17      "href": "http://localhost:8080/api/medical_office/patients/29",
18      "type": "GET"
19    }
20  }
21 }
```

Get /api/medical\_office/patients/{id}/appintments?date=..&type=...

HomeWorkspacesAPI Network

Search Postman

Invite

Upgrade

My Workspace

NewImport

pos / mariadb / programari / appoint params pacient

Save

GET

http://localhost:8080/api/medical\_office/pacients/29/appointments?date=2026&type=year

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

<input type="checkbox"/> Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/> date	2026		
<input checked="" type="checkbox"/> type	year		
<input type="checkbox"/> date	2026-11-15		
Key	Value	Description	

Body

Cookies

Headers (8)

Test Results

Status: 200 OKTime: 165 msSize: 1.24 KB

Save as example

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "_embedded": {
3     "programareDtoList": [
4       {
5         "id_user_pacient": 29,
6         "id_user_doctor": 30,
7         "data": "2026-09-23T12:59:11.000+00:00",
8         "status": null,
9         "_links": {
10          "self": {
11            "href": "http://localhost:8080/api/medical_office/pacients/29",
12            "type": "GET"
13          }
14        }
15      },
16      {
17        "id_user_pacient": 29,
18        "id_user_doctor": 30,
19        "data": "2026-12-20T12:59:11.000+00:00",
20        "status": null,
21        "_links": {
22          "self": {
23            "href": "http://localhost:8080/api/medical_office/pacients/29",
24            "type": "GET"
25          }
26        }
27      }
28    ]
29  }
30 }
```

Online

Find and replace

Console

Postbot

Runner

Start Proxy

Cookies

Trash

HomeWorkspacesAPI Network

Search Postman

Invite

Upgrade

My Workspace

NewImport

pos / mariadb / programari / appoint params pacient

Save

GET

http://localhost:8080/api/medical\_office/pacients/29/appointments?date=12&type=month

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

<input type="checkbox"/> Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/> date	12		
<input checked="" type="checkbox"/> type	month		
<input type="checkbox"/> date	2026-11-15		
Key	Value	Description	

Body

Cookies

Headers (8)

Test Results

Status: 200 OKTime: 139 msSize: 1.24 KBSave as example

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "_embedded": {
3     "programareDtoList": [
4       {
5         "id_user_pacient": 29,
6         "id_user_doctor": 30,
7         "data": "2026-12-20T12:59:11.000+00:00",
8         "status": null,
9         "_links": {
10          "self": {
11            "href": "http://localhost:8080/api/medical_office/pacients/29",
12            "type": "GET"
13          }
14        }
15      },
16      {
17        "id_user_pacient": 29,
18        "id_user_doctor": 30,
19        "data": "2026-12-23T10:59:11.000+00:00",
20        "status": null,
21        "_links": {
22          "self": {
23            "href": "http://localhost:8080/api/medical_office/pacients/29",
24            "type": "GET"
25          }
26        }
27      }
28    ]
29  }
30 }
```

Online

Find and replace

Console

Postbot

Runner

Start Proxy

Cookies

Trash

Home Workspaces API Network Search Postman

My Workspace New Import

pos / mariadb / programari / appoint params patient

GET http://localhost:8080/api/medical\_office/pacients/29/appointments?date=2026-12-29 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
date	12	
type	month	
date	2026-12-29	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 129 ms Size: 719 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "_embedded": {
3     "programareOtoList": [
4       {
5         "id_user_pacient": 29,
6         "id_user_doctor": 30,
7         "data": "2026-12-29T12:59:11.000+00:00",
8         "status": null,
9         "_links": {
10          "self": {
11            "href": "http://localhost:8080/api/medical_office/pacients/29",
12            "type": "GET"
13          }
14        }
15      }
16    ]
17  },
18  "_links": {
19    "self": {
20      "href": "http://localhost:8080/api/medical_office/pacients/29/appointments?date=2026-12-29{&type}",
21      "type": "GET",
22      "templated": true
23    },
24    "parent": {
25      "href": "http://localhost:8080/api/medical_office/pacients/29",
26      "type": "GET"
27    }
28  }
29 }
```

Get /api/medical\_office/doctors/{id}/appointments

Home Workspaces API Network

Search Postman

My Workspace

pos / mariadb / programari / **appliant doctor**

GET [http://localhost:8080/api/medical\\_office/doctors/30/appointments](http://localhost:8080/api/medical_office/doctors/30/appointments) Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Headers 7 hidden

Key	Value	Description
Authorization	Beare eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.e...	
Key	Value	Description

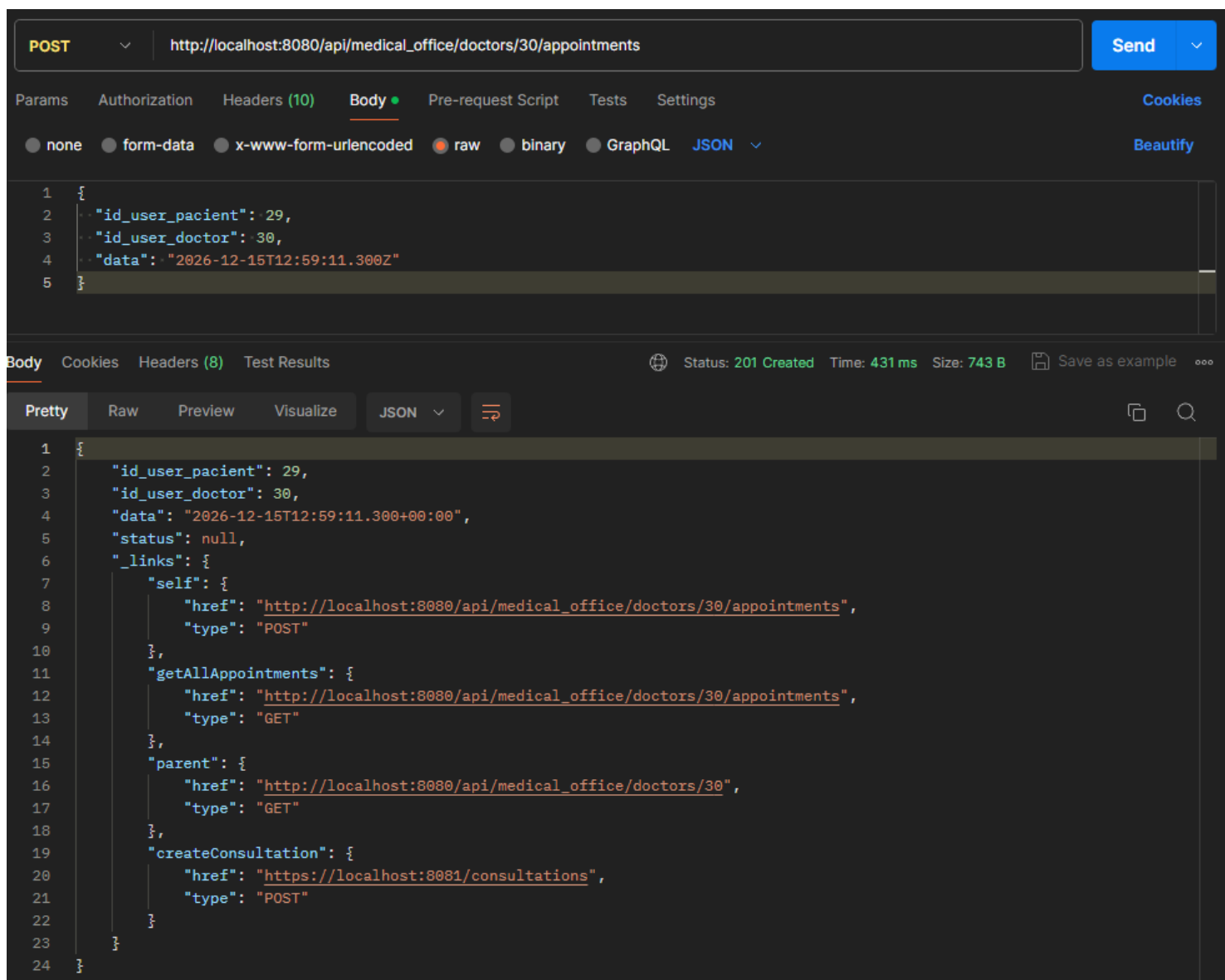
Body Cookies Headers (8) Test Results

Status: 200 OK Time: 129 ms Size: 1.78 KB Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "_embedded": {
3     "programareDtoList": [
4       {
5         "id_user_pacient": 29,
6         "id_user_doctor": 30,
7         "data": "2024-02-08T21:57:00.000+00:00",
8         "status": null,
9         "_links": {
10          "self": {
11            "href": "http://localhost:8080/api/medical_office/doctors/29",
12            "type": "GET"
13          }
14        }
15      },
16      {
17        "id_user_pacient": 29,
18        "id_user_doctor": 30,
19        "data": "2026-09-23T12:59:11.000+00:00",
20        "status": null,
21        "_links": {
22          "self": {
23            "href": "http://localhost:8080/api/medical_office/doctors/29",
24            "type": "GET"
25          }
26        }
27      }
28    ]
29  }
```

POST /api/medical\_office/doctors/{id}/appointments( informare despre consultatii)



## Hateoas

Fiecare resursa are cel putin un link de self si parent urmate de diferite linkuri aditionale in functie de caz (ex: la creare pacient un link catre creare programari), mai putn subresursele care au un link de self

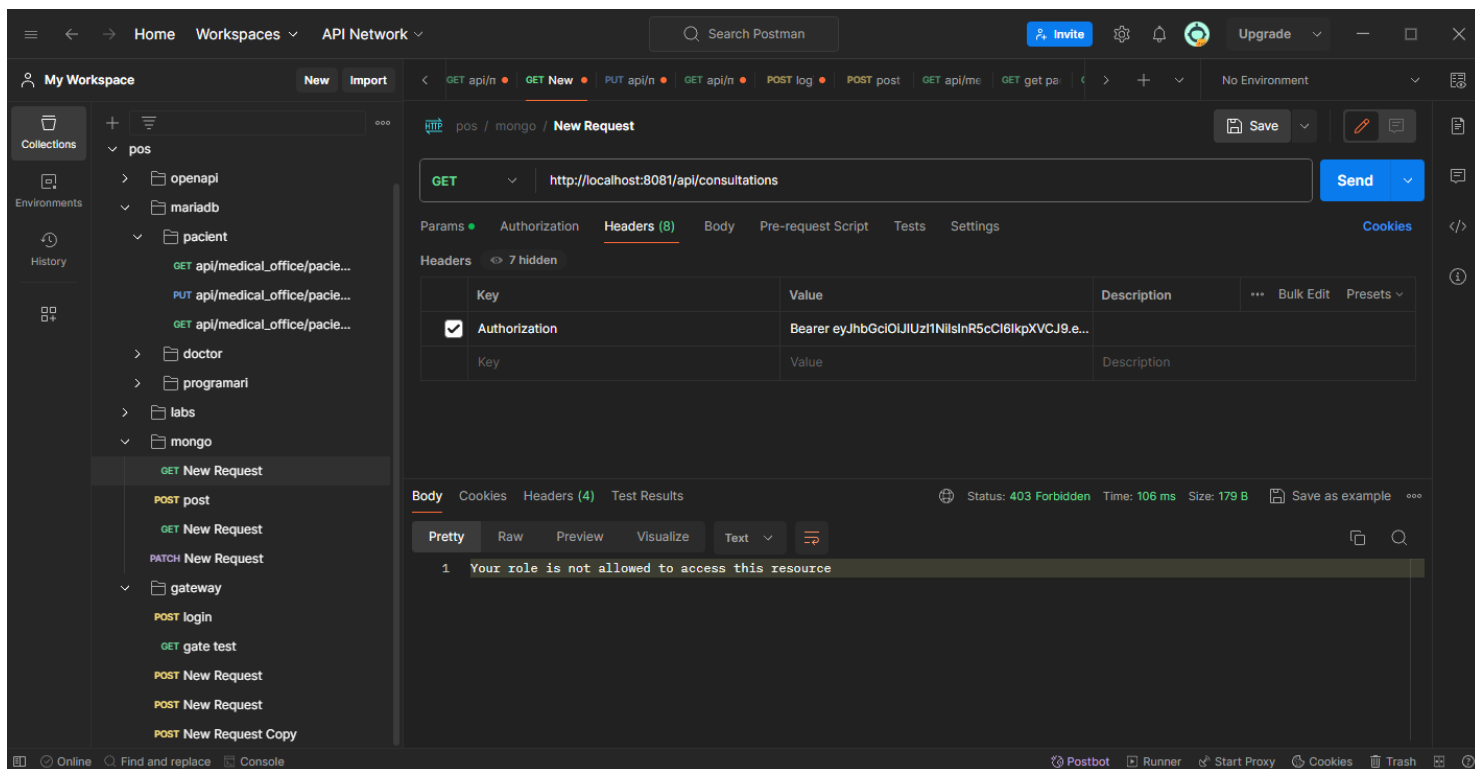
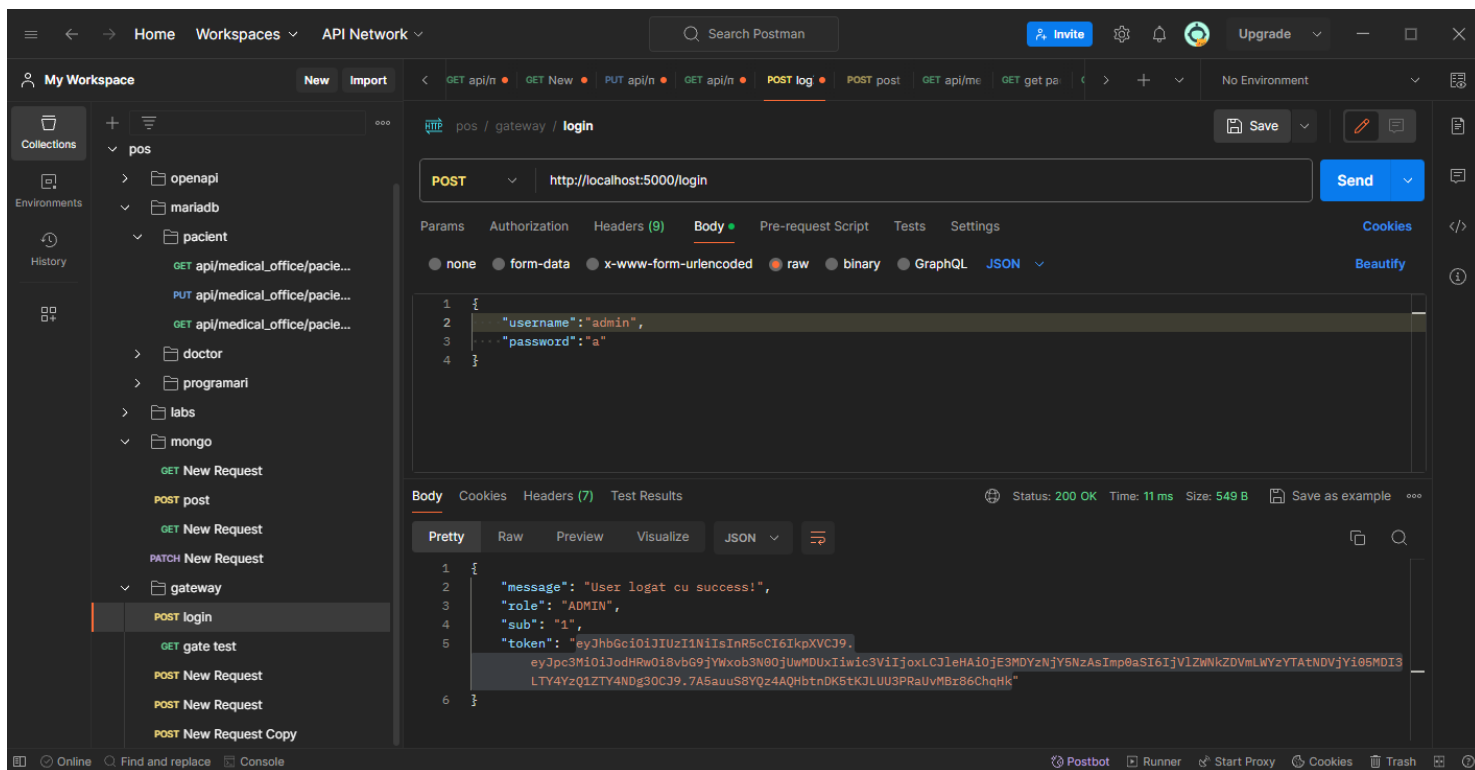
## Openapi

Documentatia openApi in format json poate fi accesata la `localhost:8080/api/openapi` cu header Authorization optional

## Server consultatii-investigatii (port 8081)

Se aplica aceleasi masuri de securitate ca la serverul pacienti-doctori cu o completare ca un user de tip ADMIN nu poate accesa niciun endpoint din acest server





## Consultatii

Get /api/consultations (cautare dupa id-ul pacientului , id doctor si data, in cazul in care unul din acestea lipseste, se face cautare dupa celelalte )

Home Workspaces API Network Search Postman

My Workspace New Import

pos / mongo / New Request

GET http://localhost:8081/api/consultations?patient=29&doctor=30&date=2026-09-23T12:59 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

<input checked="" type="checkbox"/> Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/> patient	29		
<input checked="" type="checkbox"/> doctor	30		
<input checked="" type="checkbox"/> date	2026-09-23T12:59		
Key	Value	Description	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 68 ms Size: 874 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "_embedded": {
3     "consultationDtos": [
4       {
5         "id": "65b535d15b988602772cb304",
6         "id_patient": 29,
7         "id_doctor": 30,
8         "date": "2026-09-23T12:59:11.000+00:00",
9         "diagnostic": "BOLNAV",
10        "investigations": [],
11        "_links": {
12          "self": {
13            "href": "http://localhost:8081/api/consultation/65b535d15b988602772cb304",
14            "type": "GET"
15          }
16        }
17      }
18    ]
19  },
20  "_links": {
21    "self": {
22      "href": "http://localhost:8081/api/consultations?patient=29&doctor=30&date=2026-09-23T12%3A59",
23      "type": "GET"
24    }
25  }
26 }
```

Un utilizator(in cazul de fata un doctor cu id-ul 30 in token ) nu poate vedea consultatiile altora

GET  Send

Params • Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	pacient	29			
<input checked="" type="checkbox"/>	doctor	31			
<input checked="" type="checkbox"/>	date	2026-09-23T12:59			
	Key	Value	Description		

Body Cookies Headers (8) Test Results

Status: 403 Forbidden Time: 77 ms Size: 294 B Save as example

Pretty Raw Preview Visualize Text

```
1 You don't access to this operation
```

Post /api/consultations (verificare daca exista programare)

POST  Send

Params Authorization Headers (10) Body • Pre-request Script Tests Settings Cookies

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

```
1 {
2   "id_pacient": 29,
3   "id_doctor": 30,
4   "date": "2026-12-15T12:59:11.300Z",
5   "diagnostic": 1
6 }
```

Body Cookies Headers (8) Test Results

Status: 404 Not Found Time: 169 ms Size: 319 B Save as example

Pretty Raw Preview Visualize Text

```
1 Appointment doesn't exist in order to create a consultation
```

Post /api/consultations

POST <http://localhost:8081/api/consultations> Send

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies

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

```
1 {
2   ... "id_pacient": 29,
3   ... "id_doctor": 30,
4   ... "date": "2026-12-23T12:59:11.300+02:00",
5   ... "diagnostic": 1
6 }
```

Body Cookies Headers (8) Test Results Status: 201 Created Time: 173 ms Size: 729 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "65b548ebd38479337c278e80",
3   "id_pacient": 29,
4   "id_doctor": 30,
5   "date": "2026-12-23T10:59:11.300+00:00",
6   "diagnostic": "BOLNAV",
7   "investigations": [],
8   "_links": {
9     "self": {
10      "href": "http://localhost:8081/api/consultations",
11      "type": "POST"
12    },
13     "parent": {
14      "href": "http://localhost:8081/api/consultations{?patient,doctor,date}",
15      "type": "GET",
16      "templated": true
17    }
18  }
19 }
```

PATCH /api/consultations/{id}

PATCH <http://localhost:8081/api/consultations/65b548ebd38479337c278e80> Send

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies

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

```
1 {
2   ... "diagnostic": 1
3 }
```

Body Cookies Headers (8) Test Results Status: 200 OK Time: 71 ms Size: 750 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "65b548ebd38479337c278e80",
3   "id_pacient": 29,
4   "id_doctor": 30,
5   "date": "2026-12-23T10:59:11.300+00:00",
6   "diagnostic": "BOLNAV",
7   "investigations": [],
8   "_links": {
9     "self": {
10      "href": "http://localhost:8081/api/consultations/65b548ebd38479337c278e80",
11      "type": "PATCH"
12    },
13    "parent": {
14      "href": "http://localhost:8081/api/consultations/?pacient,doctor,date",
15      "type": "GET",
16      "templated": true
17    }
18  }
19 }
```

Investigatii

POST /api/consultations/{id}

POST <http://localhost:8081/api/consultations/65b548ebd38479337c278e80> Send

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies

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

```
1 {
2   ... "denumire": "Procesare",
3   ... "durata_de_procesare": "7 zile",
4   "rezultat": "in asteptare"
5 }
```

Body Cookies Headers (8) Test Results Status: 201 Created Time: 70 ms Size: 904 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "65b548ebd38479337c278e80",
3   "id_pacient": 29,
4   "id_doctor": 30,
5   "date": "2026-12-23T10:59:11.300+00:00",
6   "diagnostic": "BOLNAV",
7   "investigations": [
8     {
9       "id": "65b549c3d38479337c278e81",
10      "denumire": "Procesare",
11      "durata_de_procesare": "7 zile",
12      "rezultat": "in asteptare"
13    }
14  ],
15   "_links": {
16     "self": {
17       "href": "http://localhost:8081/api/consultations/65b548ebd38479337c278e80",
18       "type": "POST"
19     },
20     "parent": {
21       "href": "http://localhost:8081/api/consultations{?pacient,doctor,date}",
22       "type": "GET",
23       "templated": true
24     }
25   }
26 }
```

PATCH /api/consultations/{id}/update

The screenshot shows a REST client interface with a PATCH request to `http://localhost:8081/api/consultations/65b548ebd38479337c278e80/update`. The request body is a JSON object with the following fields:

```
1 {
2   "id": "65b549c3d38479337c278e81",
3   "denumire": "Procesare",
4   "durata_de_procesare": "7 zile",
5   "rezultat": "rezultata negativ"
6 }
```

The response status is 200 OK, with a time of 87 ms and a size of 912 B. The response body is a JSON object with the following fields:

```
1 {
2   "id": "65b548ebd38479337c278e80",
3   "id_pacient": 29,
4   "id_doctor": 30,
5   "date": "2026-12-23T10:59:11.300+00:00",
6   "diagnostic": "BOLNAV",
7   "investigations": [
8     {
9       "id": "65b549c3d38479337c278e81",
10      "denumire": "Procesare",
11      "durata_de_procesare": "7 zile",
12      "rezultat": "rezultata negativ"
13    }
14  ],
15   "_links": {
16     "self": {
17       "href": "http://localhost:8081/api/consultations/65b548ebd38479337c278e80/update",
18       "type": "PATCH"
19     },
20     "parent": {
21       "href": "http://localhost:8081/api/consultations/{?pacient,doctor,date}",
22       "type": "GET",
23       "templated": true
24     }
25   }
26 }
```

## Hateoas

Fiecare resursa are cel putin un link de self si parent urmate de diferite linkuri aditionale in functie de caz (ex: la creare pacient un link catre creare programari), mai putn subresursele care au un link de self

## Openapi

Documentatia openApi in format json poate fi accesata la localhost:8080/api/openapi cu header Authorization optional

Idm (cereri facute la gateway pentru a prezenta idm , port 50051)

Creare user cu rol DOCTOR (doar admin)

POST http://localhost:5000/gate/registerDoctor Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

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

```
1 {
2   "username": "doctor2",
3   "password": "a",
4   "idUser": 307,
5   "nume": "Angheluteanu",
6   "prenume": "Andrei",
7   "email": "string@sdfdsfsd.com",
8   "telefon": "+40123459181",
9   "specializare": 1
10 }
```

Body Cookies Headers (7) Test Results Status: 201 CREATED Time: 124 ms Size: 1001 B Save as example

Pretty Raw Preview Visualize JSON

```
2  "_links": {
3    "createAppointment": {
4      "href": "http://localhost:8080/api/medical_office/doctors/52/appointments",
5      "type": "POST"
6    },
7    "get_appointments": {
8      "href": "http://localhost:8080/api/medical_office/doctors/52/appointments",
9      "type": "GET"
10   },
11   "parent": {
12     "href": "http://localhost:8080/api/medical_office/doctors/{?page,items_per_page,name,specializare}",
13     "templated": true,
14     "type": "GET"
15   },
16   "self": {
17     "href": "http://localhost:8080/api/medical_office/doctors/52",
18     "type": "GET"
19   }
20 },
21  "email": "string@sdfdsfsd.com",
22  "idUser": 52,
23  "id_doctor": 8,
24  "nume": "Angheluteanu",
25  "prenume": "Andrei",
26  "specializare": "NEUROLOG",
27  "telefon": "+40123459181"
```

Creare user cu rol PACIENT



POST http://localhost:5000/registerPatient Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

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

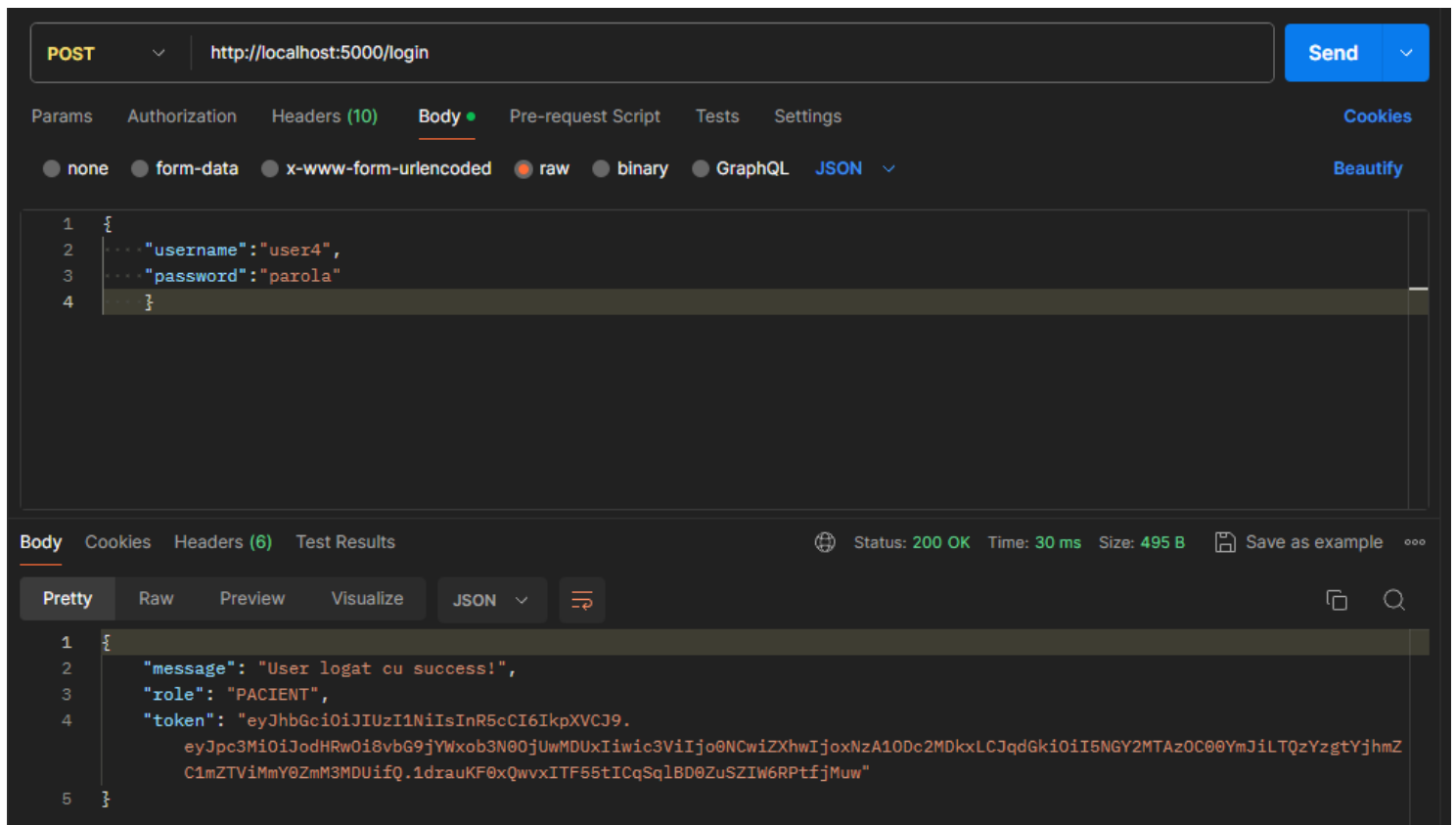
```
1 {
2   "username": "user5",
3   "password": "a",
4   "cnp": "0190746394731",
5   "idUser": 29,
6   "lastname": "Matei",
7   "firstname": "Rares",
8   "email": "email@esdfsdfml.codm",
9   "phone": "+40123056789",
10  "birthDate": "2001-13-11",
11  "isActive": true
12 }
```

Body Cookies Headers (7) Test Results Status: 201 CREATED Time: 262 ms Size: 971 B Save as example

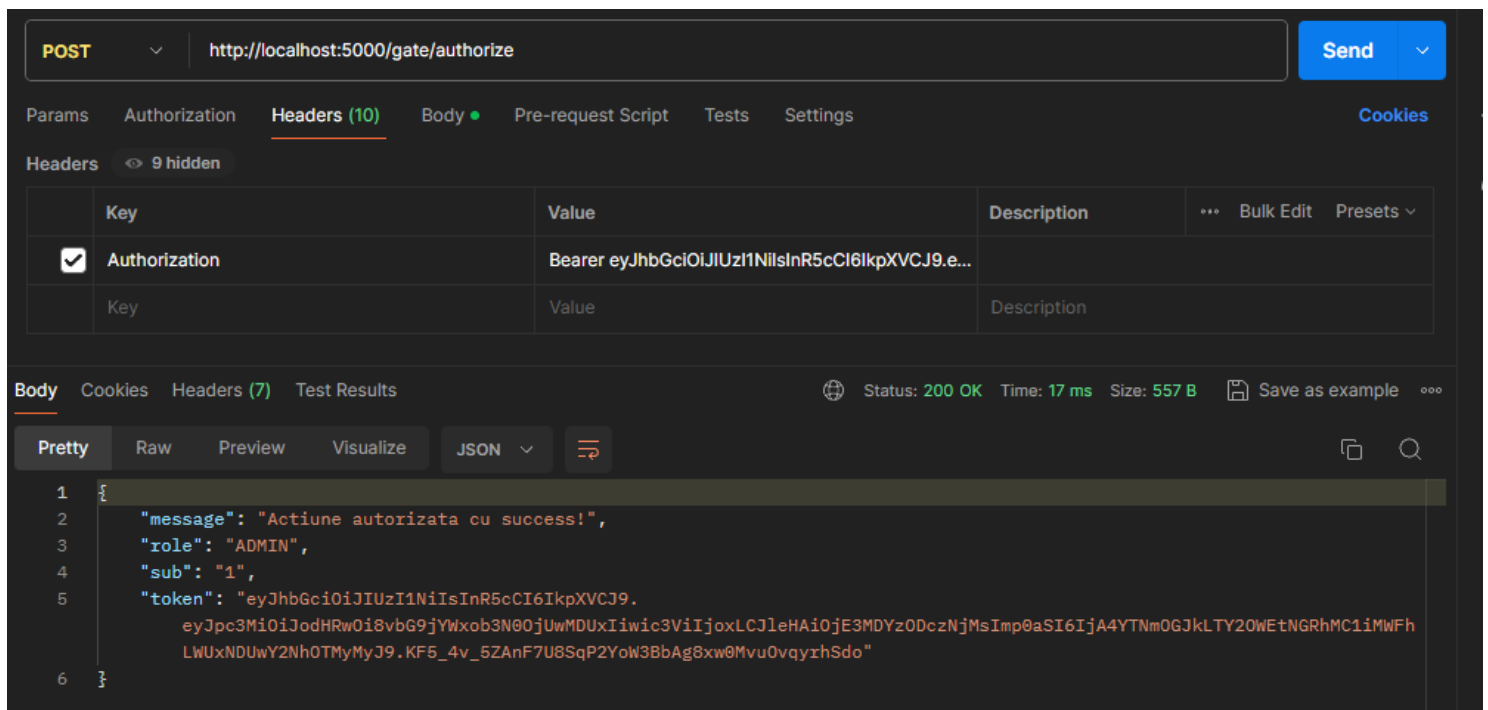
Pretty Raw Preview Visualize JSON

```
5   "templated": true,
6   "type": "POST"
7 },
8 "get_pacient": {
9   "href": "http://localhost:8080/api/medical_office/pacients/53",
10  "type": "GET"
11 },
12 "parent": {
13   "href": "http://localhost:8080/api/medical_office/pacients/",
14   "type": "GET"
15 },
16 "self": {
17   "href": "http://localhost:8080/api/medical_office/pacients/",
18   "type": "PUT"
19 }
20 },
21 "cnp": "0190746394731",
22 "dataNasterii": "2002-01-11",
23 "email": "email@esdfsdfml.codm",
24 "idUser": 53,
25 "isActive": true,
26 "nume": "Matei",
```

Login



## Autorizare



Gateway (port 5000)

Prima data se verifica prezenta headerului Athorization dupa care se autorizeaza actiunea cu ajutorul modului de IDM,in functie de metoda primita in si de subcalea curenta se face o verificare pentru a gestiona cererile catre celelalte componente.

React (port 3000)

Login

## Login Page

Username:

Parola:

Login

Nu ai un cont?

Inregistreaza-te

Register (pacient)

## Inregistrare

CNP:

Prenume:

Nume:

Email:

Telefon (+4):

Data de nastere:

Username:

Parola:

Submit

Pacient view

Hello pacient user!

Logout

Profilul meu Programarile mele Istoric medical Doctori

### Informatii despre pacient

Username: user  
Nume: Rares  
Prenume: Matei  
CNP: 0192746394731  
Data Nasterii: 2002-01-11  
Email: email@emdaiiiiii.codm

Schimba parola

Dezactiveaza cont

Hello pacient user!

Logout

Profilul meu Programarile mele Istoric medical Doctori

### Schimba parola

Parola curenta:

Parola noua:

Save

Hello pacient user!

Logout

Profilul meu Programarile mele Istoric medical Doctori

### Informatii despre pacient

Username: user  
Nume: Rares  
Prenume: Matei  
CNP: 0192746394731  
Data Nasterii: 2002-01-11  
Email: email@emdaiiiiii.codm

Schimba parola

Dezactiveaza cont

Esti sigur ca vrei sa iti dezactivezi contul ?

Daa Nup

Hello pacient user!

Logout

Profilul meu Programarile mele Istoric medical Doctori

Creaza o programare

Data: mm/dd/yyyy --:-- --

Specializare:

Select...

Creeaza programare

Programarile curente

Programarea 1  
Data: 2024-02-08T21:57:00.000+00:00  
Doctor: Menghel alex  
Status: anulata

Programarea 2  
Data: 2026-09-23T12:59:11.000+00:00  
Doctor: Menghel alex  
Status: in curand

Programarea 3  
Data: 2026-12-15T12:59:11.300+00:00  
Doctor: Menghel alex  
Status: in curand

Programarea 4  
Data: 2026-12-20T12:59:11.000+00:00  
Doctor: Menghel alex  
Status: in curand

Hello pacient user!

Logout

Profilul meu Programarile mele Istoric medical Doctori

Creaza o programare

Data: 03/09/2024 06:25 PM

Specializare:

Neurolog

Doctor: Angheluteanu Andrei

Creeaza programare

Programarile curente

Hello pacient user!

Logout

Profilul meu Programarile mele Istoric medical Doctori

### Detalii despre programari

#### Consultatia 1

Data: 2026-12-23T10:59:11.300+00:00

Doctor: Menghel alex

Diagnostic: BOLNAV

#### Investigatia 11

Denumire: Procesare

Durata de procesare: 7 zile

Rezultat: rezultata negativ

#### Consultatia 2

Data: 2024-02-08T21:57:00.000+00:00

Doctor: Menghel alex

Diagnostic: BOLNAV

#### Investigatia 21

Denumire: Procesare

Durata de procesare: 200 zile

Rezultat: inca asteapt

#### Investigatia 22

Denumire: procesare

Durata de procesare: 100 zile

Hello pacient !

Logout

Profilul meu Programarile mele Istoric medical Doctori

### Doctori

Doctor: Menghel alex

Specializare: UROLOG

Telefon: +40123459789

Email: string@s9tring.com

Doctor: Angheluteanu Andrei

Specializare: NEUROLOG

Telefon: +40123459181

Email: string@sdfdsfsd.com

Doctor: Andrunache andrew

Specializare: DERMATOLOG

Telefon: +40737540419

Email: 22@22.com

Doctor view

# Salutari doctor doctor!

Logout

Profil personal Vizualizeaza pacienti

## Pacientii tai

### Pacient 1

Nume: Matei Rares

Varsta: 22

Cnp: 0192746394731

Contact: email@emdaiIIIIII.codm (email) +40123456789 (telefon)

Vezi programari

### Pacient 2

Nume: Mardale Vlad

Varsta: 22

Cnp: 0290308470347

Contact: email@ss.com (email) +40123456755 (telefon)

Vezi programari

# Salutari doctor doctor!

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## Detalii despre doctor

Username: doctor

Nume: alex

Prenume: Menghel

Specializare: UROLOG

Email: string@s9tring.com

Telefon: +40123459789

Schimba parola

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## Pacientii tai

### Pacient 1

Nume: Matei Rares

Varsta: 22

Cnp: 0192746394731

Contact: email@emdaiIIIIII.codm (email) +40123456789 (telefon)

Vezi programari

### Appointments

#### Programare 1:

Data:2024-02-08T21:57:00.000+00:00

Status: anulata

Schimba status

Vezi consultatie

#### Programare 2:

Data:2026-09-23T12:59:11.000+00:00

Status: in curand

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#### Pacient 1

Nume: Matei Rares  
Varsta: 22  
Cnp: 0192746394731  
Contact: email@emdaiIIIIIII.codm (email) +40123456789 (telefon) [Vezi programari](#)

#### Appointments

##### Programare 1:

Data:2024-02-08T21:57:00.000+00:00  
Status: onorata  
[Schimba status](#)

#### Consultatie [Sanatos](#)

Investigatie 1  
Denumire: Procesare  
Durata de procesare: 200 zile  
Rezultat: inca asteapt  
[Modifica Investigatie](#)

Investigatie 2  
Denumire: procesare  
Durata de procesare: 100 zile  
Rezultat: asteptam  
[Modifica Investigatie](#)

Investigatie 3  
Denumire: procesare  
Durata de procesare: 100 zile  
Rezultat: asteptam  
[Modifica Investigatie](#)

Investigatie 4  
Denumire: procesare  
Durata de procesare: 100 zile  
Rezultat: asteptam

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#### Pacient 1

Nume: Matei Rares  
Varsta: 22  
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Contact: email@emdaiIIIIIII.codm (email) +40123456789 (telefon) [Vezi programari](#)

#### Pacient 2

Nume: Mardale Vlad  
Varsta: 22  
Cnp: 0290308470347  
Contact: email@ss.com (email) +40123456755 (telefon) [Vezi programari](#)

#### Appointments

##### Programare 1:

Data:2024-10-22T00:00:00.000+00:00  
Status: in curand  
[Schimba status](#)

Nu exista consultatii la programarea asta [Creeaza una](#)

##### Programare 2:

Data:2026-12-19T12:59:11.300+00:00  
Status: onorata  
[Schimba status](#)  
[Vezi consultatie](#)



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Profil personal | Vizualizeaza pacienti

### Pacientii tai

#### Pacient 1

Nume: Matei Rares  
Varsta: 22  
Cnp: 0192746394731  
Contact: email@emdai|||||||.codm (email) +40123456789 (telefon) [Vezi programari](#)

#### Pacient 2

Nume: Mardale Vlad  
Varsta: 22  
Cnp: 0290308470347  
Contact: email@ss.com (email) +40123456755 (telefon) [Vezi programari](#)

### Appointments

#### Programare 1:

Data:2024-10-22T00:00:00.000+00:00  
Status: in curand  
[Schimba status](#)

Consultatie Bolnav

Nu exista nicio investigatie la consultatia asta

[Adauga investigatie](#)

#### Programare 2:

# Salutari doctor doctor!

Logout

Profil personal | Vizualizeaza pacienti

### Pacientii tai

#### Pacient 1

Nume: Matei Rares  
Varsta: 22  
Cnp: 0192746394731  
Contact: email@emdai|||||||.codm (email) +40123456789 (telefon) [Vezi programari](#)

#### Pacient 2

Nume: Mardale Vlad  
Varsta: 22  
Cnp: 0290308470347  
Contact: email@ss.com (email) +40123456755 (telefon) [Vezi programari](#)

### Appointments

#### Programare 1:

Data:2024-10-22T00:00:00.000+00:00  
Status: in curand  
[Schimba status](#)

Consultatie Bolnav

Investigatie 1  
Denumire: Analiza  
Durata de procesare: 2 zile  
Rezultat: pozitiv  
[Modifica Investigatie](#)  
[Adauga investigatie](#)

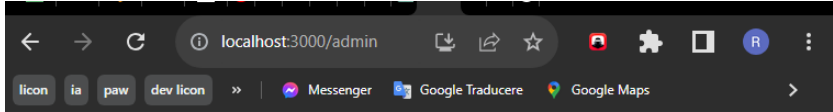
#### Programare 2:

## Admin view

### Adminule

Logout

[Vezi utilizatori](#) [Creeaza un doctor](#)



Adminule

Logout

Vezi utilizatori Creeaza un doctor

Id: 5  
Username: a  
Role: PACIENT  
Nume real: Mardale Vlad  
Data nasterii: 2002-01-10 (22 ani)  
Cnp: 0290308470347  
Email: email@ss.com  
Telefon: +40123456755  
Cont activ: Nu

Sterge user

Id: 29  
Username: user  
Role: PACIENT  
Nume real: Matei Rares  
Data nasterii: 2002-01-11 (22 ani)  
Cnp: 0192746394731  
Email: email@emdaiIIIIIII.codm  
Telefon: +40123456789  
Cont activ: Da

Sterge user

Id: 30  
Username: doctor  
Role: DOCTOR  
Nume real: Menghel alex  
Specializare: UROLOG  
Telefon: +40123459789  
Email: string@s9tring.com

Sterge user

Id: 52  
Username: doctor2  
Role: DOCTOR  
Nume real: Angheluteanu Andrei  
Specializare: NEUROLOG  
Telefon: +40123459181  
Email: string@sdfdsfsd.com

Sterge user

... --

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## Adminule

Logout

Vezi utilizatori Creeaza un doctor

Creare doctor

Prenume: andrew

Nume: Andrunache

Email: a@a.com

Telefon (+4): 0737540419

Specializare: Selecteaza ▼

Username: user

Password: a

Submit