

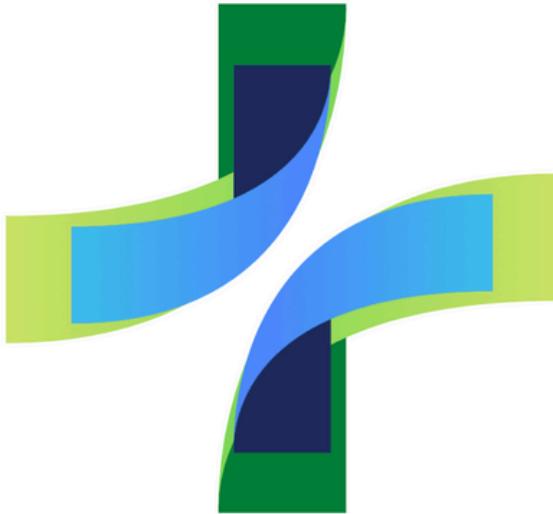
2024



FINAL CAPSTONE PROJECT

By :
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11/7/2024

Hospital Management System



SALAMAH HOSPITAL

I developed a comprehensive hospital management system, focusing on backend and frontend components. I used Java, SQLite, and Maven in the backend to create web services, handle data, and ensure error handling and security. I developed intuitive and responsive user interfaces with Angular in the frontend, integrating dynamic components and real-time data display. This project enhanced system quality attributes such as usability, reliability, performance, and maintenance.

Agenda

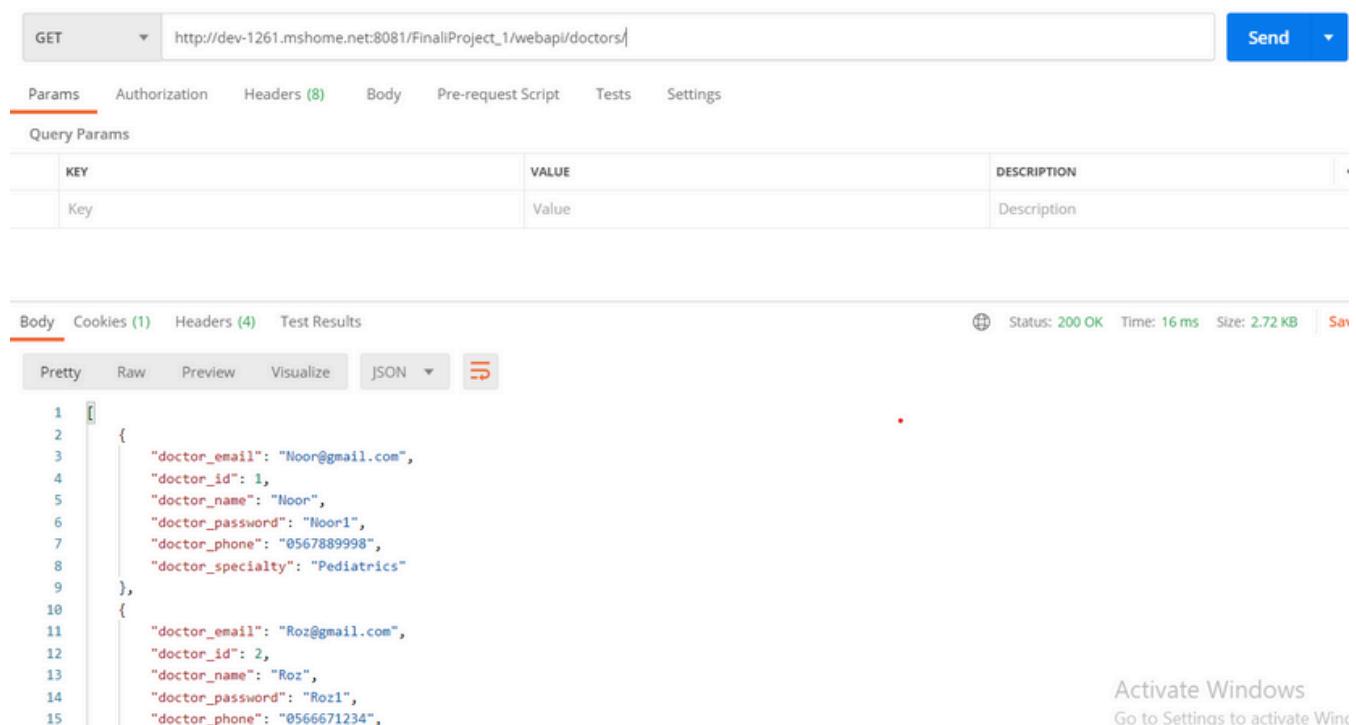
- Doctors
- Patients
- Medical Reports
- Schedules
- Consultations
- Login

Doctors

- Doctors Get All
- Doctors Get By doctor_id
- Doctors Post
- Doctors PUT
- Doctors Get By Filter
(Name, Specialty)

Image For Doctors Testing

Doctors Get All



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/ Send

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

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

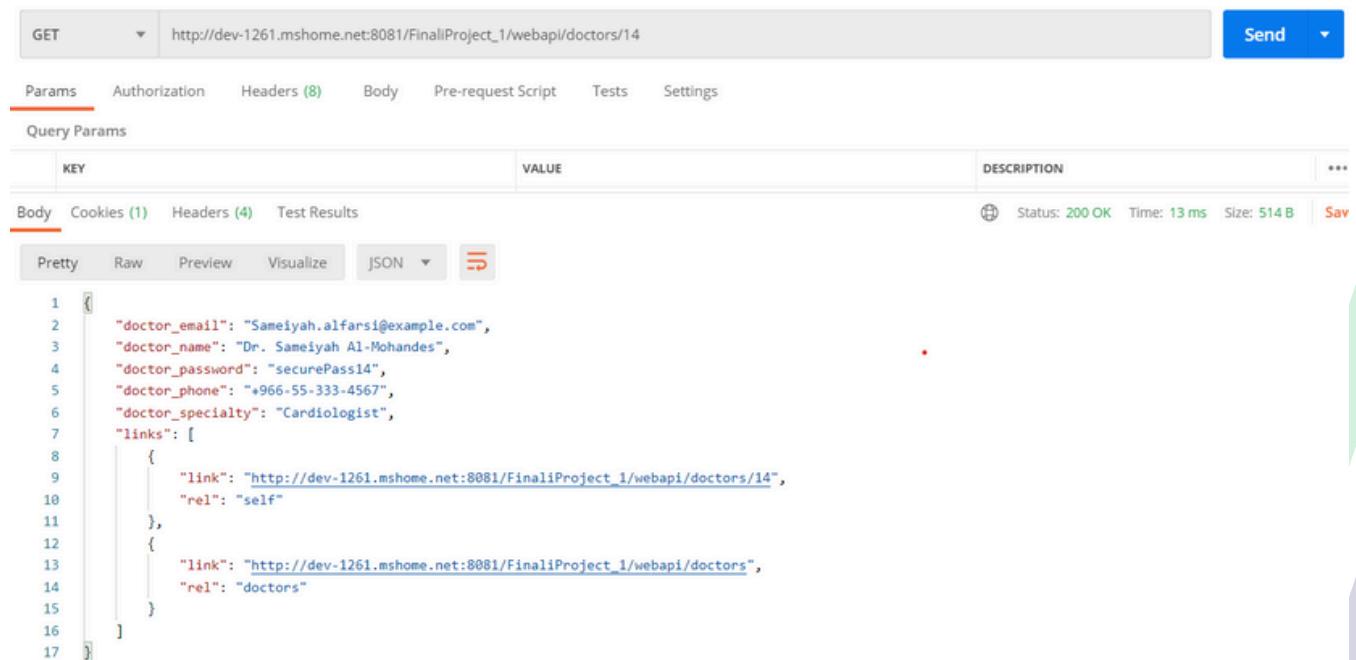
Body Cookies (1) Headers (4) Test Results

Status: 200 OK Time: 16 ms Size: 2.72 KB

```
1 [ { 2   "doctor_email": "Noor@gmail.com", 3   "doctor_id": 1, 4   "doctor_name": "Noor", 5   "doctor_password": "Noor1", 6   "doctor_phone": "0567889998", 7   "doctor_specialty": "Pediatrics" 8 }, 9 { 10    "doctor_email": "Roz@gmail.com", 11    "doctor_id": 2, 12    "doctor_name": "Roz", 13    "doctor_password": "Roz1", 14    "doctor_phone": "0566671234", 15 }
```

Activate Windows
Go to Settings to activate Win

Doctors Get By doctor_id



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/14 Send

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

Query Params

KEY	VALUE	DESCRIPTION
-----	-------	-------------

Body Cookies (1) Headers (4) Test Results

Status: 200 OK Time: 13 ms Size: 514 B

```
1 { 2   "doctor_email": "Sameiyah.alfarsi@example.com", 3   "doctor_name": "Dr. Sameiyah Al-Mohandes", 4   "doctor_password": "securePass14", 5   "doctor_phone": "+966-55-333-4567", 6   "doctor_specialty": "Cardiologist", 7   "links": [ 8     { 9       "link": "http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/14", 10      "rel": "self" 11     }, 12     { 13       "link": "http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors", 14      "rel": "doctors" 15     } 16   ] 17 }
```

Image For Doctors Testing

- Doctors Get By doctor_id
Exaptation

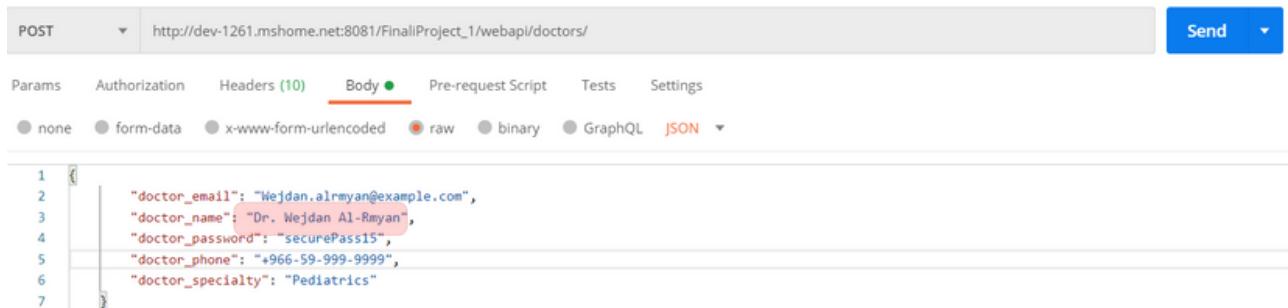
The screenshot shows the Postman application interface for testing a REST API. The request method is set to 'GET' and the URL is 'http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/500'. The 'Params' tab is selected, showing a single query parameter 'Key' with the value 'Value'. The 'Body' tab is selected, displaying a JSON response with the following content:

```
1 {  
2   "documentationUrl": "https://google.com",  
3   "errorCode": 404,  
4   "errorContent": "Doctor with ID 500 not found"  
5 }
```

The status bar at the bottom indicates the response was a 404 Not Found error with a time of 35 ms and a size of 245 B.

Image For Doctors Testing

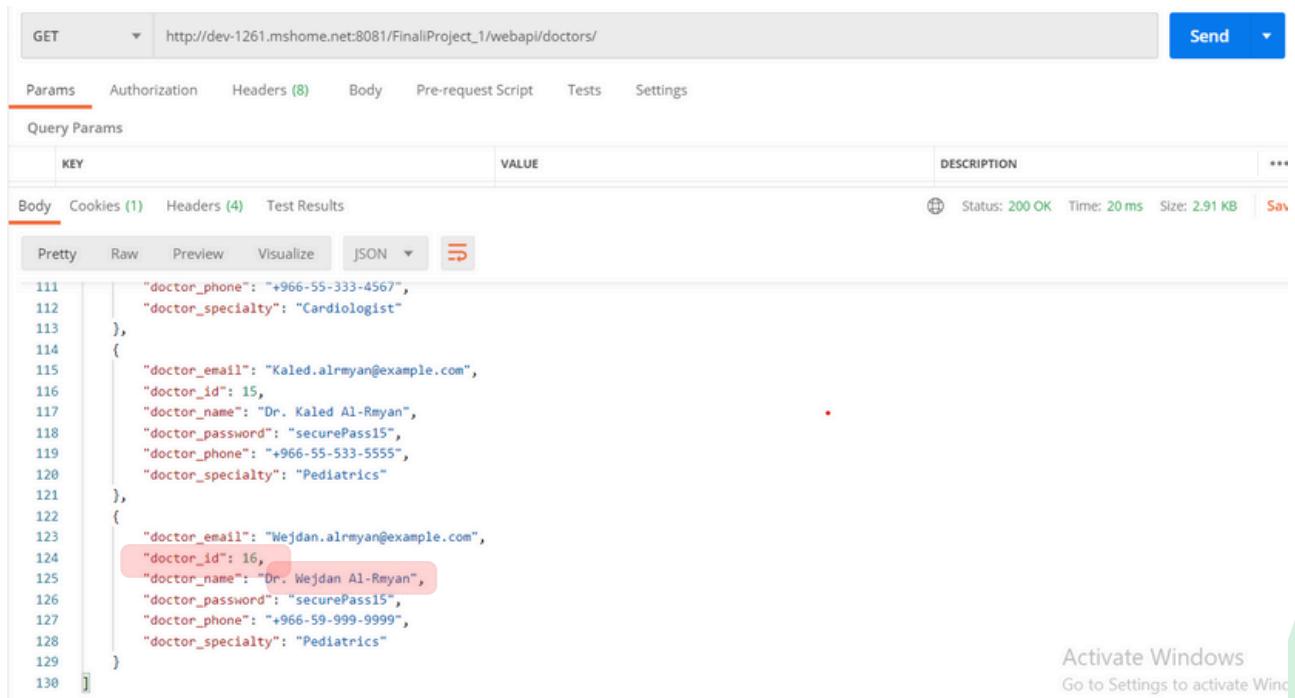
- Doctors Post with automatic ID addition



POST http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/

Body (JSON)

```
1 {
2     "doctor_email": "Wejdan.alrmyan@example.com",
3     "doctor_name": "Dr. Wejdan Al-Rmyan",
4     "doctor_password": "securePass15",
5     "doctor_phone": "+966-59-999-9999",
6     "doctor_specialty": "Pediatrics"
7 }
```



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/

Body (Pretty)

```
111     "doctor_phone": "+966-55-333-4567",
112     "doctor_specialty": "Cardiologist"
113 },
114 {
115     "doctor_email": "Kaled.alrmyan@example.com",
116     "doctor_id": 15,
117     "doctor_name": "Dr. Kaled Al-Rmyan",
118     "doctor_password": "securePass15",
119     "doctor_phone": "+966-55-533-5555",
120     "doctor_specialty": "Pediatrics"
121 },
122 {
123     "doctor_email": "Wejdan.alrmyan@example.com",
124     "doctor_id": 16, highlighted
125     "doctor_name": "Dr. Wejdan Al-Rmyan",
126     "doctor_password": "securePass15",
127     "doctor_phone": "+966-59-999-9999",
128     "doctor_specialty": "Pediatrics"
129 }
```

Status: 200 OK Time: 20 ms Size: 2.91 KB

Image For Doctors Testing

Doctors PUT

The screenshot shows a POST request to http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/16. The 'Body' tab is selected, showing a JSON payload:

```
1 {
2     "doctor_email": "Wejdan.alrmyan@example.com",
3     "doctor_name": "Dr. Wejdan Al-Rmyan",
4     "doctor_password": "securePass15",
5     "doctor_phone": "+966-55-555-5555",
6     "doctor_specialty": "Pediatrics"
7 }
```

Below the body, the response status is 204 No Content, time 26 ms, size 90 B.

Doctors PUT

The screenshot shows a GET request to http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/. The 'Params' tab is selected. The response status is 200 OK, time 11 ms, size 2.91 KB.

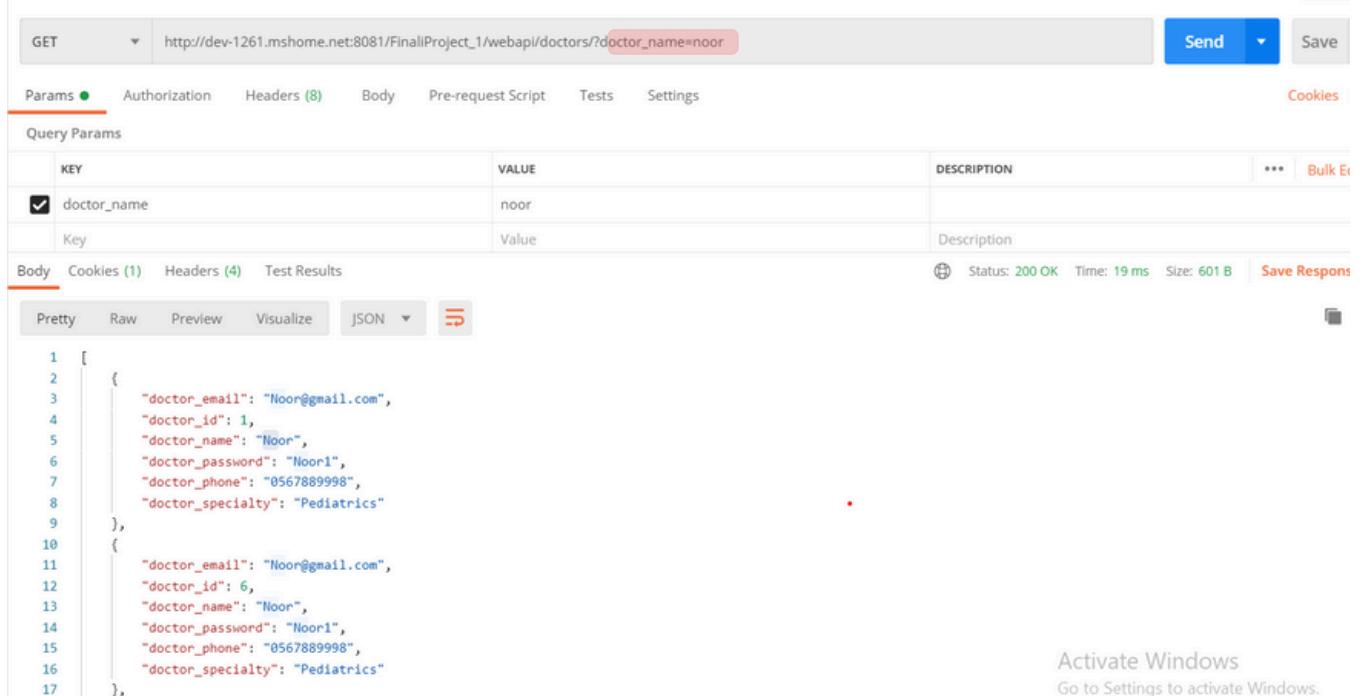
Below the response, the JSON data is displayed:

```
111     "doctor_phone": "+966-55-333-4567",
112     "doctor_specialty": "Cardiologist"
113 },
114 {
115     "doctor_email": "Kaled.alrmyan@example.com",
116     "doctor_id": 15,
117     "doctor_name": "Dr. Kaled Al-Rmyan",
118     "doctor_password": "securePass15",
119     "doctor_phone": "+966-55-533-5555",
120     "doctor_specialty": "Pediatrics"
121 },
122 [
123     "doctor_email": "Wejdan.alrmyan@example.com",
124     "doctor_id": 16,
125     "doctor_name": "Dr. Wejdan Al-Rmyan",
126     "doctor_password": "securePass15",
127     "doctor_phone": "+966-55-555-5555",
128     "doctor_specialty": "Pediatrics"
129 ]
130 ]
```

Activate Windows
Go to Settings to activate Win10

Image For Doctors Testing

• Doctors Get By Filter Name



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors?doctor_name=noor

Params

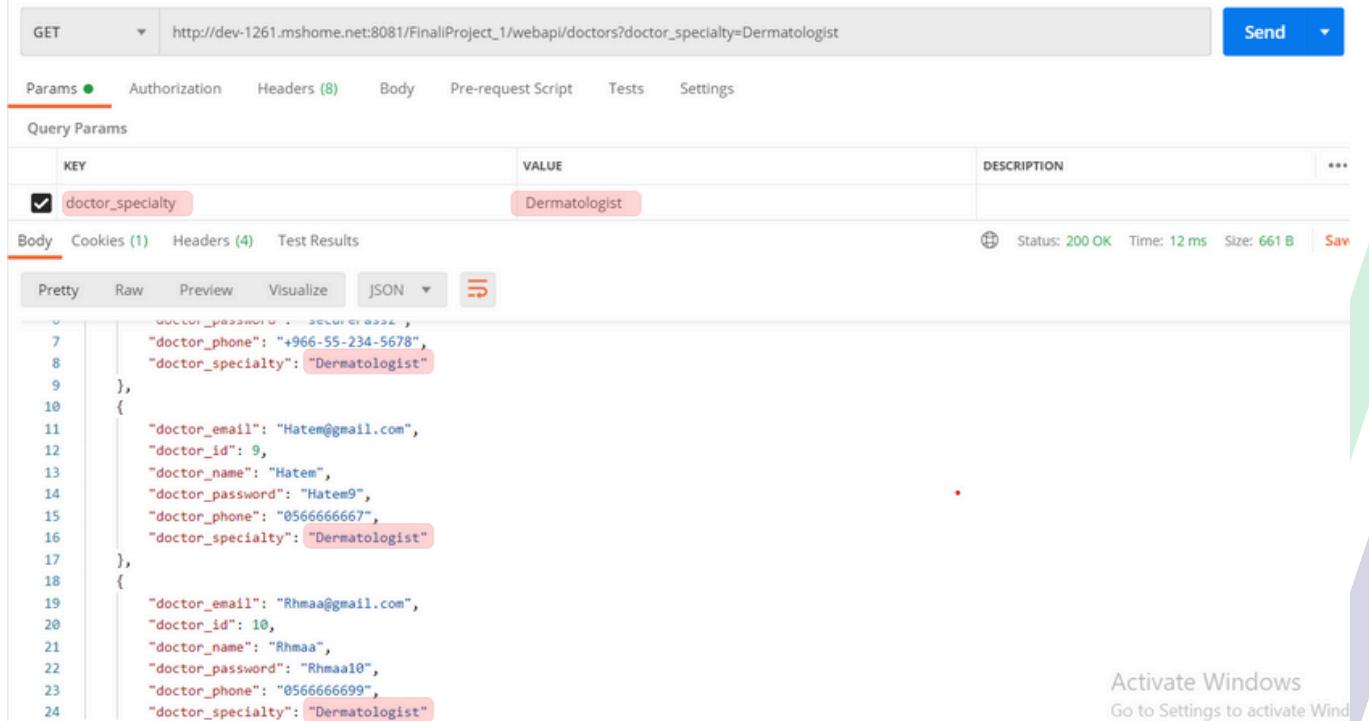
KEY	VALUE	DESCRIPTION
doctor_name	noor	
Key	Value	Description

Body

```
1 [
2   {
3     "doctor_email": "Noor@gmail.com",
4     "doctor_id": 1,
5     "doctor_name": "Noor",
6     "doctor_password": "Noor1",
7     "doctor_phone": "0567889988",
8     "doctor_specialty": "Pediatrics"
9   },
10  {
11    "doctor_email": "Noor@gmail.com",
12    "doctor_id": 6,
13    "doctor_name": "Noor",
14    "doctor_password": "Noor1",
15    "doctor_phone": "0567889988",
16    "doctor_specialty": "Pediatrics"
17  },
```

Status: 200 OK Time: 19 ms Size: 601 B Save Response

• Doctors Get By Filter Specialty



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors?doctor_specialty=Dermatologist

Params

KEY	VALUE	DESCRIPTION
doctor_specialty	Dermatologist	

Body

```
7   {
8     "doctor_email": "Hatem@gmail.com",
9     "doctor_id": 9,
10    "doctor_name": "Hatem",
11    "doctor_password": "Hatem9",
12    "doctor_phone": "0566666667",
13    "doctor_specialty": "Dermatologist"
14  },
15  {
16    "doctor_email": "Rhmaa@gmail.com",
17    "doctor_id": 10,
18    "doctor_name": "Rhmaa",
19    "doctor_password": "Rhmaa10",
20    "doctor_phone": "0566666699",
21    "doctor_specialty": "Dermatologist"
22  },
23  {
24    "doctor_email": "Rhmaa@gmail.com",
25    "doctor_id": 10,
26    "doctor_name": "Rhmaa",
27    "doctor_password": "Rhmaa10",
28    "doctor_phone": "0566666699",
29    "doctor_specialty": "Dermatologist"
30  },
```

Status: 200 OK Time: 12 ms Size: 661 B Save Response

Image For Doctors Testing

Doctors Get By Rating

GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/consultation_rating?consultation_rating=3

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

Query Params

KEY	VALUE	DESCRIPTION
consultation_rating	3	Description
Key	Value	Description

Body Cookies (1) Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```
1 [  
2 {  
3   "doctor_email": "Roz@gmail.com",  
4   "doctor_id": 2,  
5   "doctor_name": "Roz",  
6   "doctor_password": "Roz1",  
7   "doctor_phone": "0566671234",  
8   "doctor_specialty": "Psychiatry"  
9 }]  
10 ]
```

GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations/

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

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies (2) Headers (4) Test Results

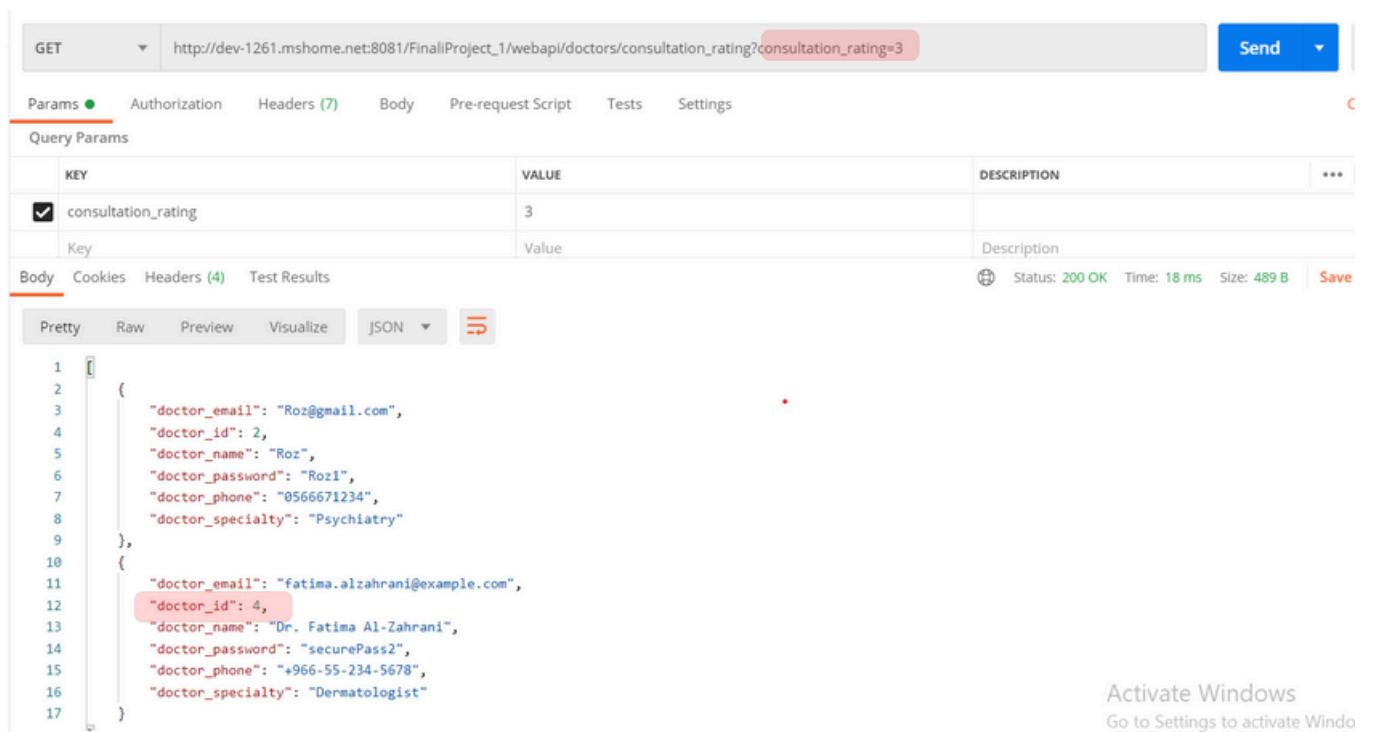
Pretty Raw Preview Visualize JSON

```
12 [  
13   1  
14     "consultation_diagnosis": "Hypertension",  
15     "consultation_id": 2,  
16     "consultation_rating": 3,  
17     "consultation_request_time": "2023-05-18T10:15:30",  
18     "consultation_status": "completed",  
19     "consultation_time": "2023-05-18T10:15:30",  
20     "doctor_id": 2,  
21     "patient_id": 2  
22   },  
23   {  
24     "consultation_diagnosis": "High blood pressure",  
25     "consultation_id": 3,  
26     "consultation_rating": 5,  
27     "consultation_request_time": "2022-07-18T10:15:30",  
28     "consultation_status": "completed",  
29     "consultation_time": "2022-07-18T10:15:30".  
30   }
```

Activate Windows
Go to Settings to activate Wind

Image For Doctors Testing

• Doctors Get By Rating Get



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/consultation_rating?consultation_rating=3

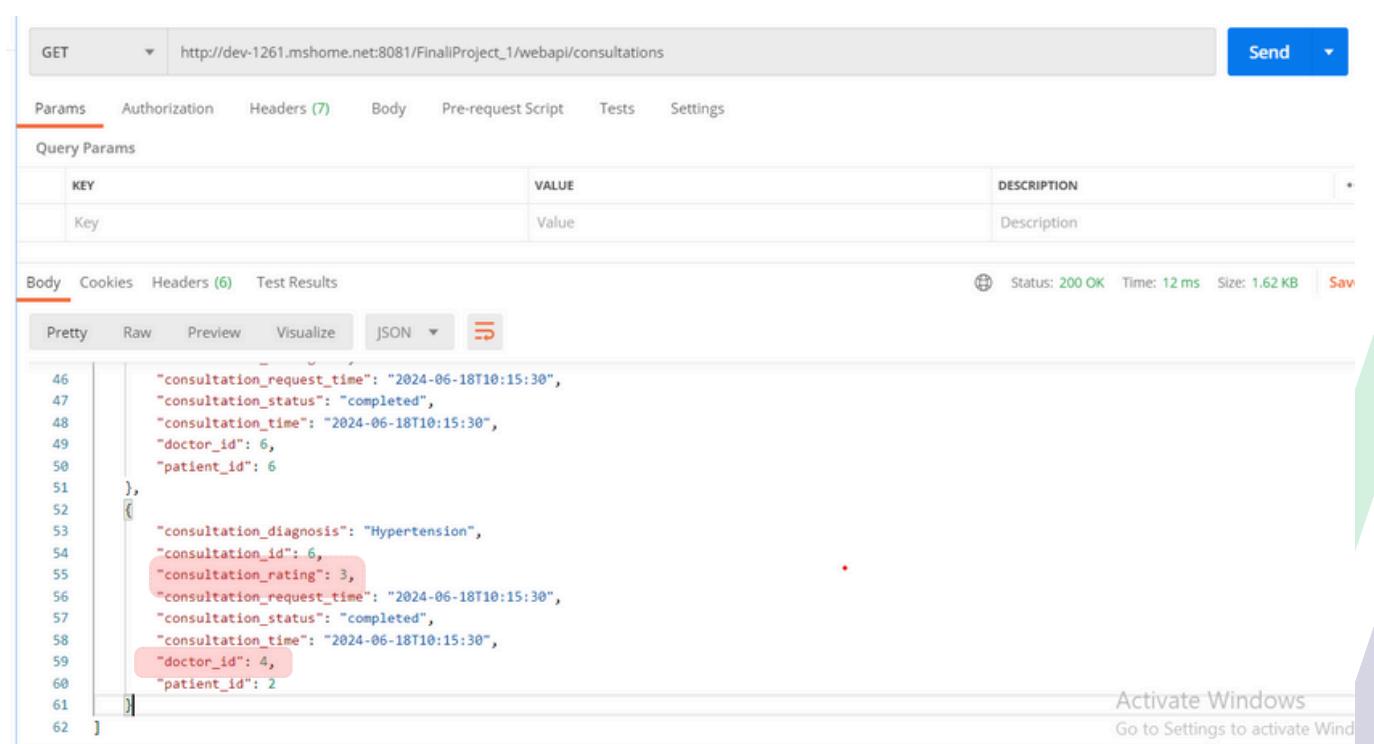
Params

KEY	VALUE	DESCRIPTION
consultation_rating	3	Description

Body

```
1 [
2   {
3     "doctor_email": "Roz@gmail.com",
4     "doctor_id": 2,
5     "doctor_name": "Roz",
6     "doctor_password": "Roz1",
7     "doctor_phone": "0566671234",
8     "doctor_specialty": "Psychiatry"
9   },
10  {
11    "doctor_email": "fatima.alzahrani@example.com",
12    "doctor_id": 4,
13    "doctor_name": "Dr. Fatima Al-Zahrani",
14    "doctor_password": "securePass2",
15    "doctor_phone": "+966-55-234-5678",
16    "doctor_specialty": "Dermatologist"
17  }
```

Status: 200 OK Time: 18 ms Size: 489 B Save



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations

Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

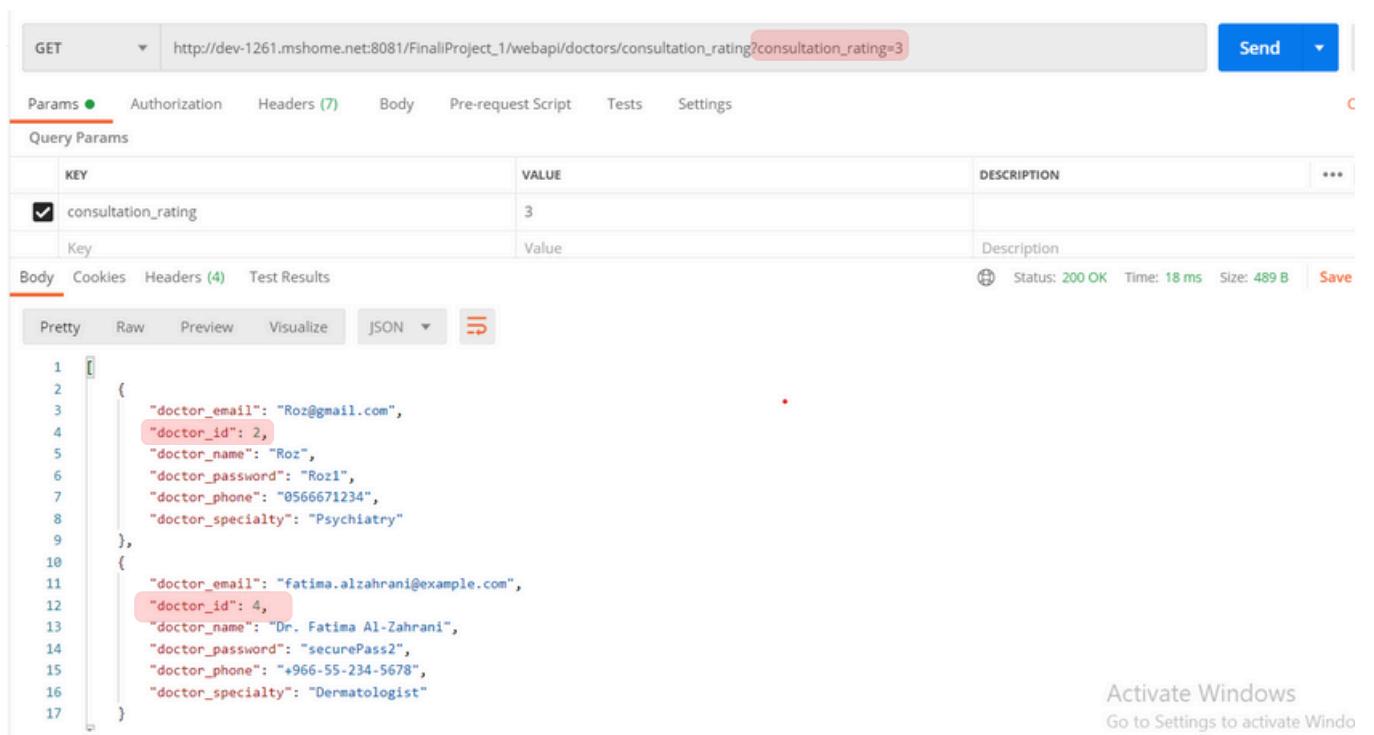
Body

```
46  [
47    {
48      "consultation_request_time": "2024-06-18T10:15:30",
49      "consultation_status": "completed",
50      "consultation_time": "2024-06-18T10:15:30",
51      "doctor_id": 6,
52      "patient_id": 6
53    },
54    {
55      "consultation_diagnosis": "Hypertension",
56      "consultation_id": 6,
57      "consultation_rating": 3,
58      "consultation_request_time": "2024-06-18T10:15:30",
59      "consultation_status": "completed",
60      "consultation_time": "2024-06-18T10:15:30",
61      "doctor_id": 4,
62      "patient_id": 2
63    }
64  ]
```

Status: 200 OK Time: 12 ms Size: 1.62 KB Save

Image For Doctors Testing

• Doctors Get By Rating Get



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/consultation_rating?consultation_rating=3

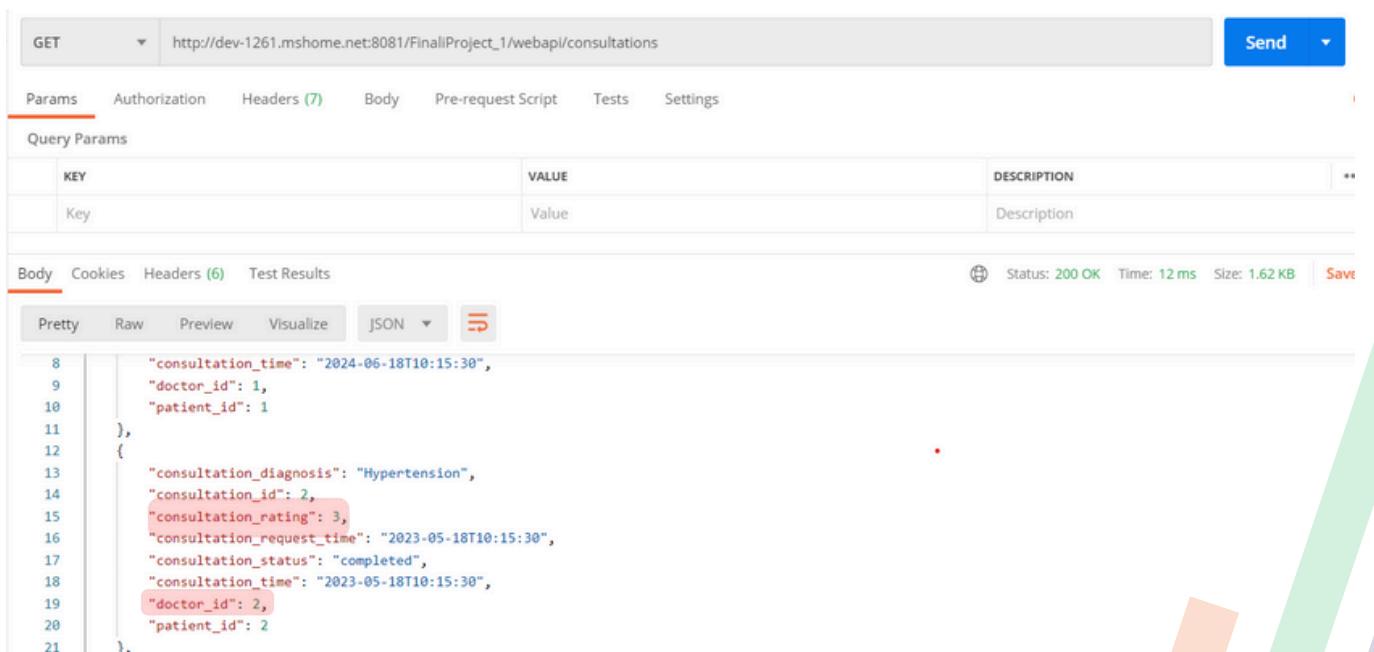
Params

KEY	VALUE	DESCRIPTION
consultation_rating	3	Description
Key	Value	Description

Body

```
1 [
2   {
3     "doctor_email": "Roz@gmail.com",
4     "doctor_id": 2,
5     "doctor_name": "Roz",
6     "doctor_password": "Roz1",
7     "doctor_phone": "0566671234",
8     "doctor_specialty": "Psychiatry"
9   },
10  {
11    "doctor_email": "fatima.alzahrani@example.com",
12    "doctor_id": 4,
13    "doctor_name": "Dr. Fatima Al-Zahrani",
14    "doctor_password": "securePass2",
15    "doctor_phone": "+966-55-234-5678",
16    "doctor_specialty": "Dermatologist"
17  }
```

Status: 200 OK Time: 18 ms Size: 489 B Save



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations

Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body

```
8   {
9     "consultation_time": "2024-06-18T10:15:30",
10    "doctor_id": 1,
11    "patient_id": 1
12  },
13  {
14    "consultation_diagnosis": "Hypertension",
15    "consultation_id": 2,
16    "consultation_rating": 3,
17    "consultation_request_time": "2023-05-18T10:15:30",
18    "consultation_status": "completed",
19    "consultation_time": "2023-05-18T10:15:30",
20    "doctor_id": 2,
21    "patient_id": 2
22  },
```

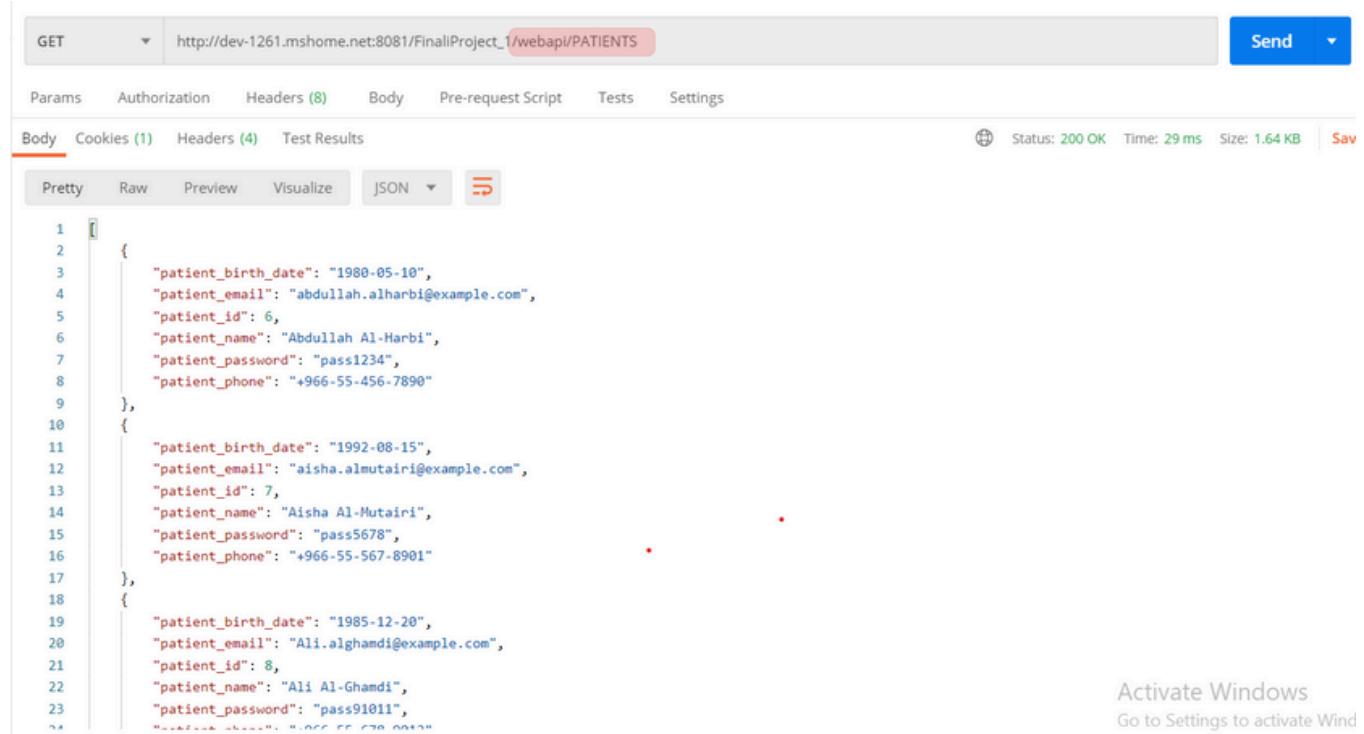
Status: 200 OK Time: 12 ms Size: 1.62 KB Save

Patients

- Patient Get All
- Patient Get By Patient_id
- Patient Post
- Patient PUT
- Patient Get By Filter
(Name)

Image For Patients Testing

Patient Get All



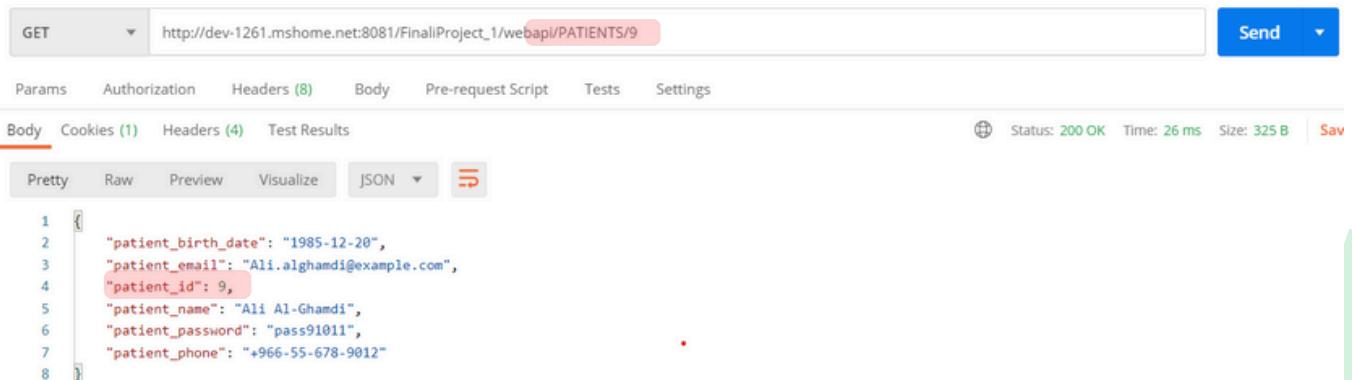
GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/PATIENTS

Status: 200 OK Time: 29 ms Size: 1.64 KB

```
[{"patient_id": 6, "patient_name": "Abdullah Al-Harbi", "patient_email": "abdullah.alharbi@example.com", "patient_password": "pass1234", "patient_phone": "+966-55-456-7890", "patient_birth_date": "1980-05-10"}, {"patient_id": 7, "patient_name": "Aisha Al-Mutairi", "patient_email": "aisha.almutairi@example.com", "patient_password": "pass5678", "patient_phone": "+966-55-567-8901", "patient_birth_date": "1992-08-15"}, {"patient_id": 8, "patient_name": "Ali Al-Ghamdi", "patient_email": "Ali.alghamdi@example.com", "patient_password": "pass91011", "patient_phone": "+966-55-678-9012", "patient_birth_date": "1985-12-20"}]
```

Activate Windows
Go to Settings to activate Wind

Patient Get By Patient_id



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/PATIENTS/9

Status: 200 OK Time: 26 ms Size: 325 B

```
{"patient_id": 9, "patient_name": "Ali Al-Ghamdi", "patient_email": "Ali.alghamdi@example.com", "patient_password": "pass91011", "patient_phone": "+966-55-678-9012", "patient_birth_date": "1985-12-20"}
```

Image For Patients Testing

- Patient Post with automatic ID addition

The screenshot shows a POST request to `http://dev-1261.mshome.net:8081/FinalProject_1/webapi/PATIENTS/`. The Body tab is selected, containing the following JSON payload:

```
1 "patient_birth_date": "1980-05-10",
2 "patient_email": "asim.alharbi@example.com",
3 "patient_name": "asim Al-Harbi",
4 "patient_password": "pass1234",
5 "patient_phone": "+966-55-456-7890"
6
7 }
```

The response status is 201 Created, with a time of 59 ms and a size of 239 B.

The screenshot shows a GET request to `http://dev-1261.mshome.net:8081/FinalProject_1/webapi/PATIENTS`. The Headers tab is selected, showing the following query parameters:

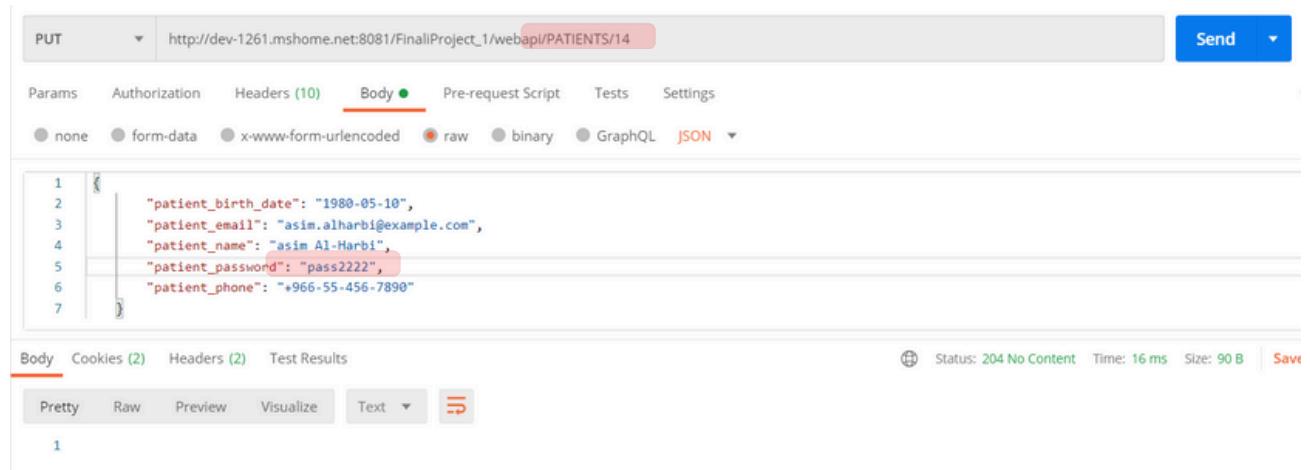
KEY	VALUE	DESCRIPTION
Key	Value	Description

The response status is 200 OK, with a time of 8 ms and a size of 1.83 KB.

Activate Windows
Go to Settings to activate Wind

Image For Patients Testing

Patient PUT

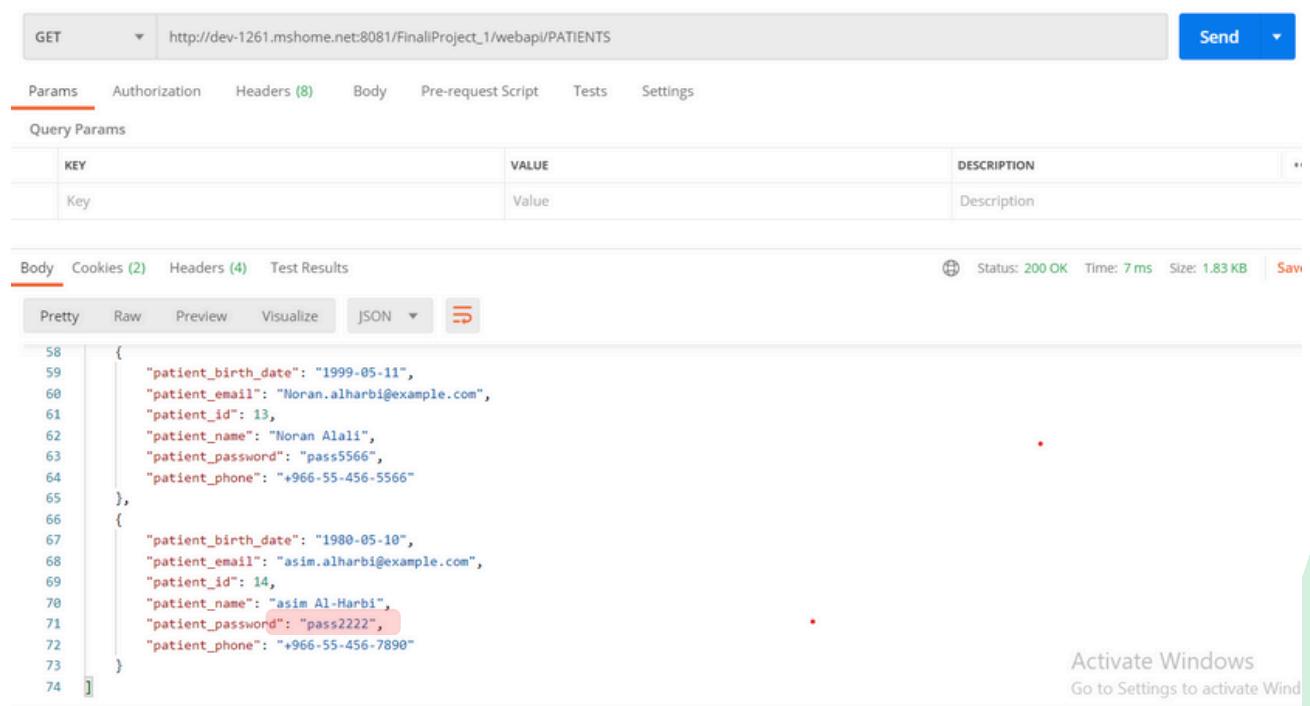


PUT http://dev-1261.mshome.net:8081/FinalProject_1/webapi/PATIENTS/14

Body (JSON)

```
{  
  "patient_birth_date": "1980-05-10",  
  "patient_email": "asim.alharbi@example.com",  
  "patient_name": "asim Al-Harbi",  
  "patient_password": "pass2222",  
  "patient_phone": "+966-55-456-7890"  
}
```

Status: 204 No Content Time: 16 ms Size: 90 B



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/PATIENTS

Body (JSON)

```
[  
  {  
    "patient_birth_date": "1999-05-11",  
    "patient_email": "Noran.alharbi@example.com",  
    "patient_id": 13,  
    "patient_name": "Noran Alali",  
    "patient_password": "pass5566",  
    "patient_phone": "+966-55-456-5566"  
  },  
  {  
    "patient_birth_date": "1980-05-10",  
    "patient_email": "asim.alharbi@example.com",  
    "patient_id": 14,  
    "patient_name": "asim Al-Harbi",  
    "patient_password": "pass2222",  
    "patient_phone": "+966-55-456-7890"  
  }]
```

Status: 200 OK Time: 7 ms Size: 1.83 KB

Image For Patients Testing

Patient Get By Filter (Name)

The screenshot shows a Postman API request for a GET endpoint. The URL is `http://dev-1261.mshome.net:8081/FinalProject_1/webapi/PATIENTS?patient_name=Asim Al-Harbi`. The 'Params' tab is selected, showing a single query parameter `patient_name` with the value `Asim Al-Harbi`. The 'Body' tab is selected, displaying a JSON response:

```
1 [ {  
2     "patient_birth_date": "1980-05-10",  
3     "patient_email": "asim.alharbi@example.com",  
4     "patient_id": 14,  
5     "patient_name": "asim Al-Harbi",  
6     "patient_password": "pass2222",  
7     "patient_phone": "+966-55-456-7890"  
8 } ]  
9  
10 ]
```

The response status is 200 OK, time is 6 ms, and size is 327 B.

Medical Reports

- Medical Reports Get All
- Medical Reports Get By MedicalReports_id
- Medical Reports Post
- Medical Reports PUT
- Medical Reports Get By Filter (Patient_id, Mechanical_Report_detils)

Image For Medical Reports Testing

• Medical Reports Get All

The screenshot shows a Postman interface with a GET request to `http://dev-1261.mshome.net:8081/FinalProject_1/webapi/MEDICAL_REPORTS`. The response status is 200 OK, time is 19 ms, and size is 1.54 KB. The JSON response body contains four entries, each representing a medical report with fields: medical_report_date, medical_report_details, medical_report_id, and patient_id.

```
1 [  
2 {  
3     "medical_report_date": "2024-06-30T10:00:00",  
4     "medical_report_details": "Routine check-up: cholesterol levels slightly elevated.",  
5     "medical_report_id": 1,  
6     "patient_id": 1  
7 },  
8 {  
9     "medical_report_date": "2024-07-01T11:00:00",  
10    "medical_report_details": "Skin examination: minor acne treated with topical ointment.",  
11    "medical_report_id": 2,  
12    "patient_id": 2  
13 },  
14 {  
15     "medical_report_date": "2024-07-02T09:00:00",  
16     "medical_report_details": "Pediatric check-up: growth and development normal.",  
17     "medical_report_id": 3,  
18     "patient_id": 3  
19 },  
20 {  
21     "medical_report_date": "2024-06-30T10:00:00",  
22     "medical_report_details": "Routine check-up: cholesterol levels slightly elevated.",  
23     "medical_report_id": 4,  
24     "patient_id": 1  
25 }]
```

Activate Windows
Go to Settings to activate Wind

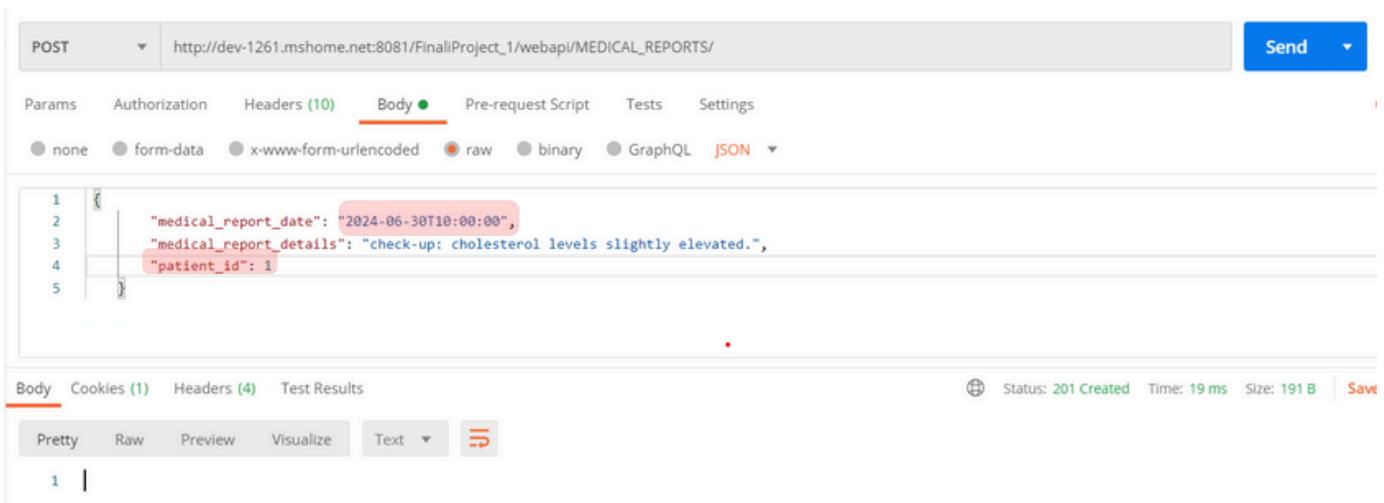
• Medical Reports Get By MedicalReports_id

The screenshot shows a Postman interface with a GET request to `http://dev-1261.mshome.net:8081/FinalProject_1/webapi/MEDICAL_REPORTS/1`. The response status is 200 OK, time is 9 ms, and size is 1.54 KB. The JSON response body contains one entry, which is the same as the first entry in the 'Get All' response, representing a medical report with fields: medical_report_date, medical_report_details, medical_report_id, and patient_id.

```
1 [  
2 {  
3     "medical_report_date": "2024-06-30T10:00:00",  
4     "medical_report_details": "Routine check-up: cholesterol levels slightly elevated.",  
5     "medical_report_id": 1,  
6     "patient_id": 1  
7 }]
```

Image For Medical Reports Testing

Medical Reports Post



POST http://dev-1261.mshome.net:8081/FinalProject_1/webapi/MEDICAL_REPORTS/

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

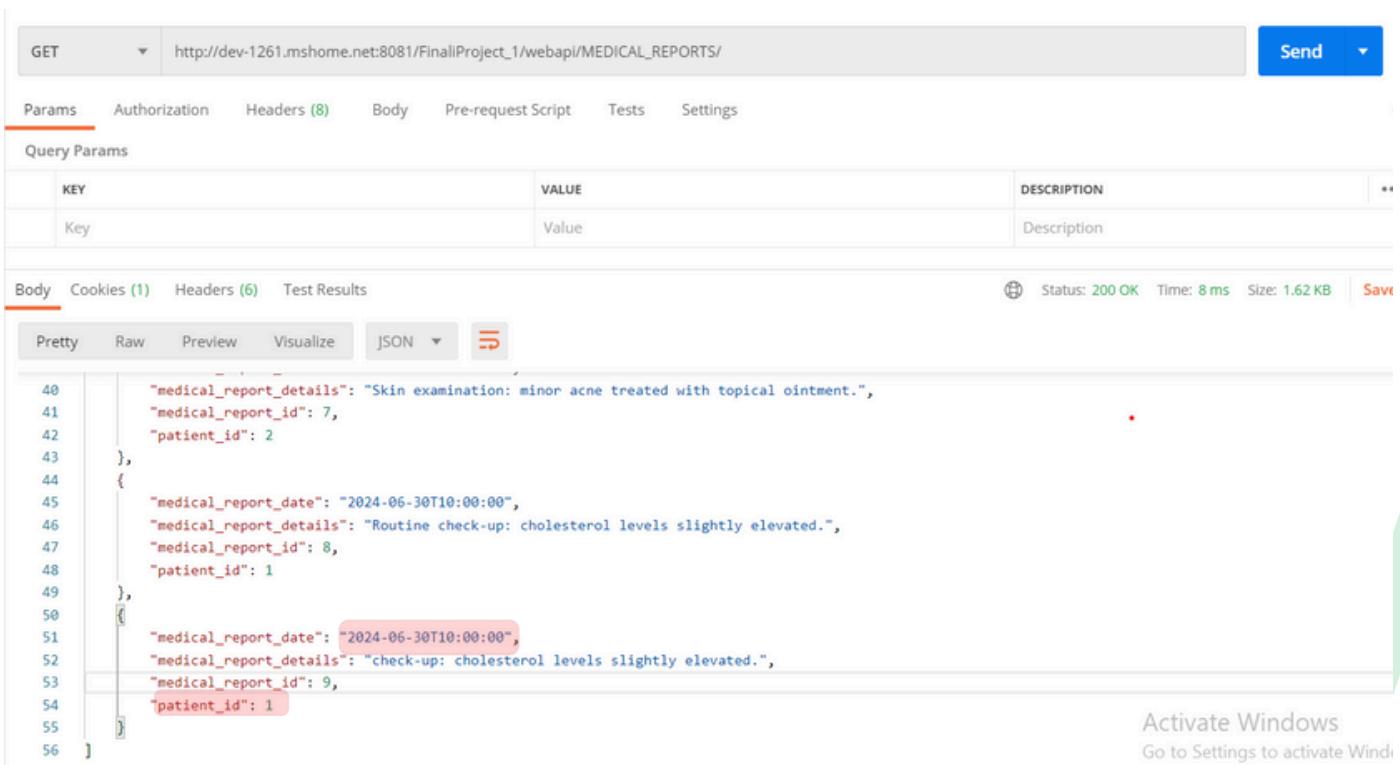
none form-data x-www-form-urlencoded raw binary GraphQL **JSON**

```
1 {
2     "medical_report_date": "2024-06-30T10:00:00",
3     "medical_report_details": "check-up: cholesterol levels slightly elevated.",
4     "patient_id": 1
5 }
```

Body Cookies (1) Headers (4) Test Results

Pretty Raw Preview Visualize Text 

Status: 201 Created Time: 19 ms Size: 191 B Save



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/MEDICAL_REPORTS/

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

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies (1) Headers (6) Test Results

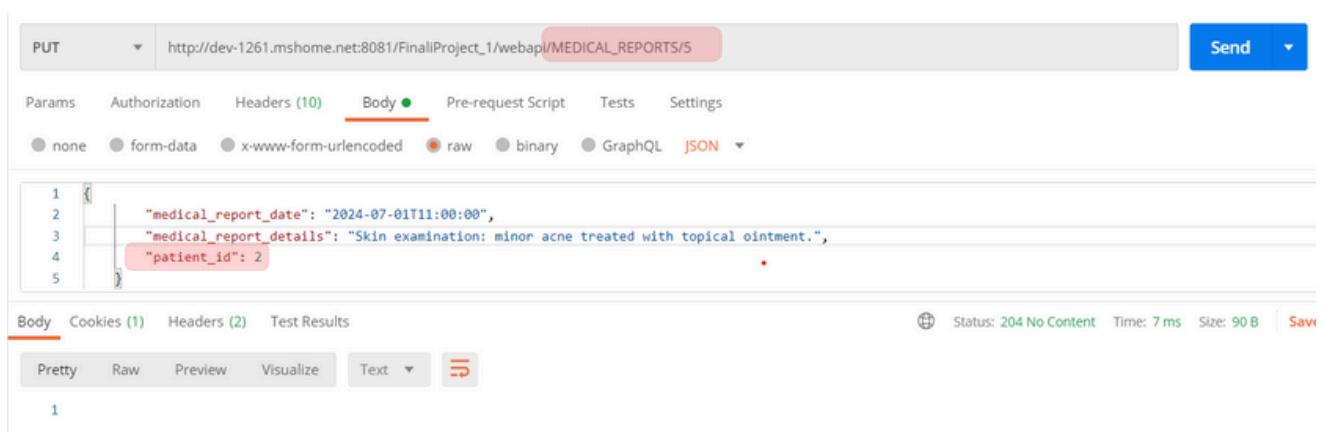
Pretty Raw Preview Visualize **JSON** 

```
40     "medical_report_details": "Skin examination: minor acne treated with topical ointment.",
41     "medical_report_id": 7,
42     "patient_id": 2
43   },
44   {
45     "medical_report_date": "2024-06-30T10:00:00",
46     "medical_report_details": "Routine check-up: cholesterol levels slightly elevated.",
47     "medical_report_id": 8,
48     "patient_id": 1
49   },
50   {
51     "medical_report_date": "2024-06-30T10:00:00",
52     "medical_report_details": "check-up: cholesterol levels slightly elevated.",
53     "medical_report_id": 9,
54     "patient_id": 1
55   }
```

Activate Windows
Go to Settings to activate Windi

Image For Medical Reports Testing

Medical Reports PUT

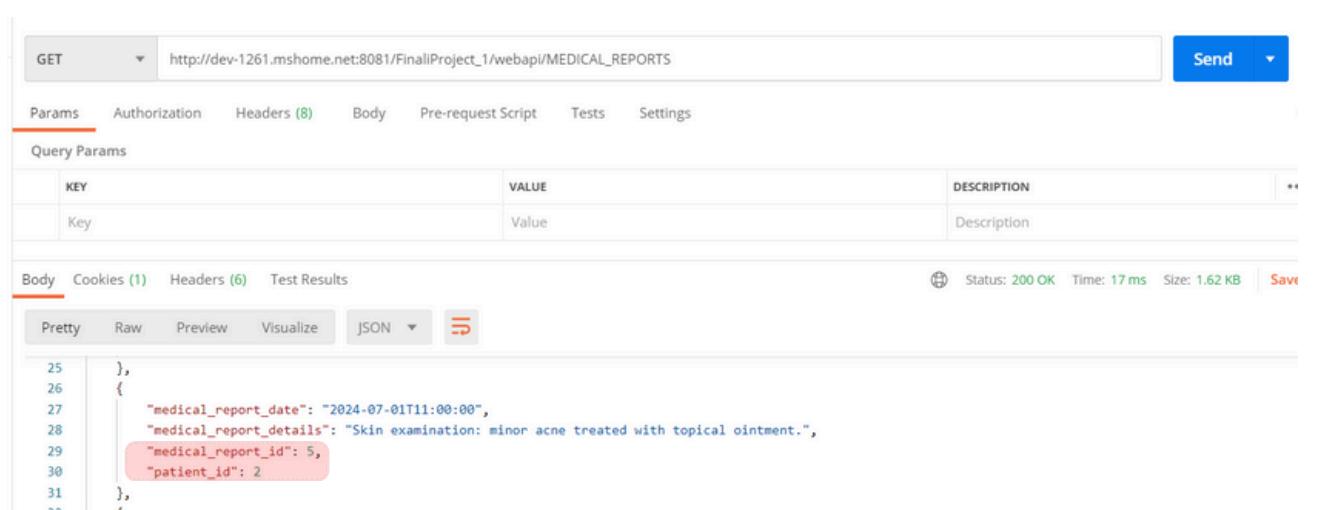


PUT http://dev-1261.mshome.net:8081/FinalProject_1/webapi/MEDICAL_REPORTS/5

Body (10) Body (raw) JSON

```
1 {
2     "medical_report_date": "2024-07-01T11:00:00",
3     "medical_report_details": "Skin examination: minor acne treated with topical ointment.",
4     "patient_id": 2
5 }
```

Status: 204 No Content Time: 7 ms Size: 90 B Save



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/MEDICAL_REPORTS

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

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

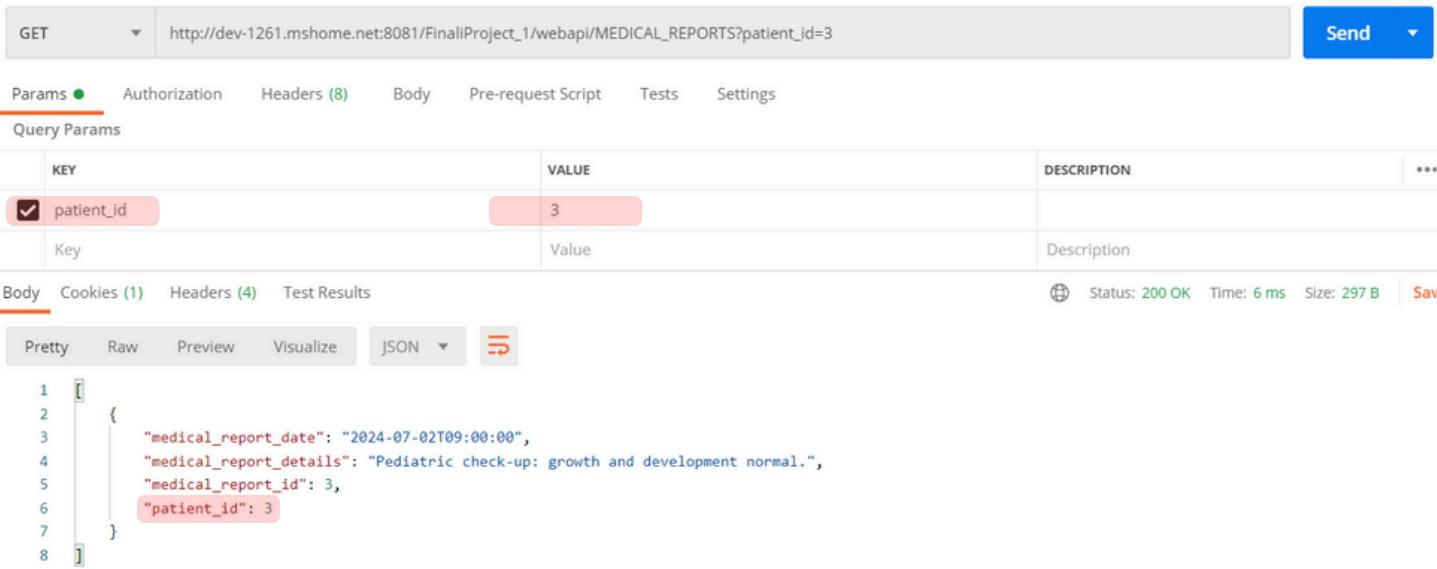
Body (1) Headers (6) Test Results Status: 200 OK Time: 17 ms Size: 1.62 KB Save

Pretty Raw Preview Visualize JSON

```
25 },
26 {
27     "medical_report_date": "2024-07-01T11:00:00",
28     "medical_report_details": "Skin examination: minor acne treated with topical ointment.",
29     "medical_report_id": 5,
30     "patient_id": 2
31 },
32 }
```

Image For Medical Reports Testing

- Medical Reports Get By Filter Patient_id



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/MEDICAL_REPORTS?patient_id=3

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

Query Params

KEY	VALUE	DESCRIPTION
patient_id	3	
Key	Value	Description

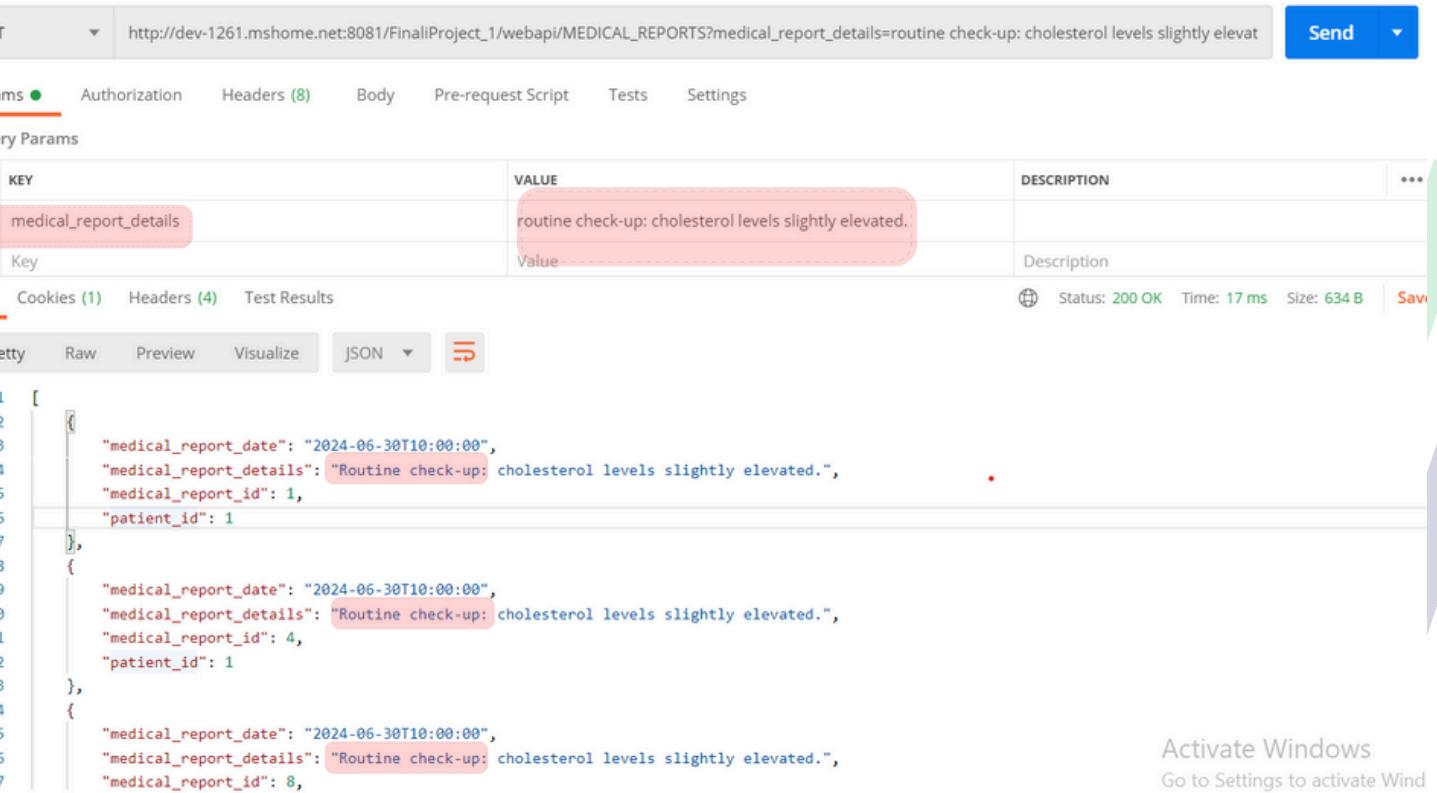
Body Cookies (1) Headers (4) Test Results

Status: 200 OK Time: 6 ms Size: 297 B Save

Pretty Raw Preview Visualize JSON

```
1 [ { "medical_report_date": "2024-07-02T09:00:00", "medical_report_details": "Pediatric check-up: growth and development normal.", "medical_report_id": 3, "patient_id": 3 } ]
```

- Medical Reports Get By Filter Mechanical_Report_detils



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/MEDICAL_REPORTS?medical_report_details=routine check-up: cholesterol levels slightly elevated

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

Query Params

KEY	VALUE	DESCRIPTION
medical_report_details	routine check-up: cholesterol levels slightly elevated.	
Key	Value	Description

Body Cookies (1) Headers (4) Test Results

Status: 200 OK Time: 17 ms Size: 634 B Save

Pretty Raw Preview Visualize JSON

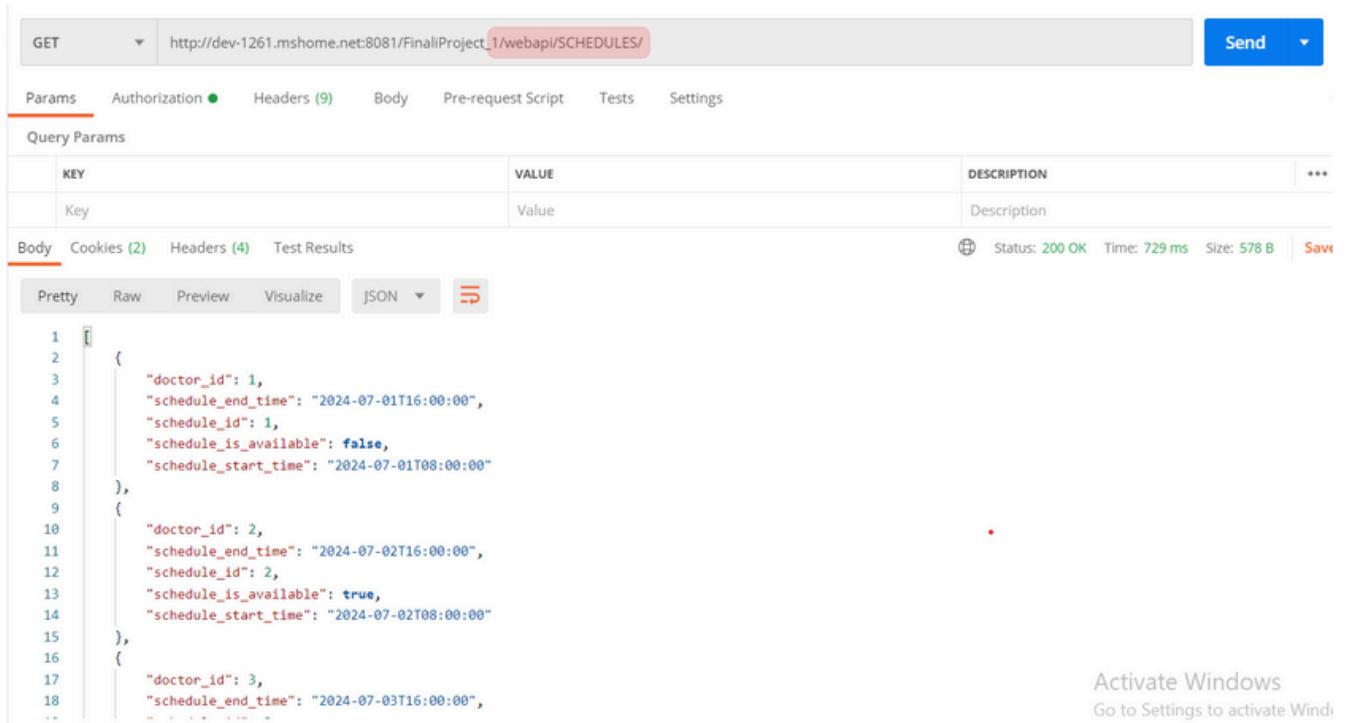
```
1 [ { "medical_report_date": "2024-06-30T10:00:00", "medical_report_details": "Routine check-up: cholesterol levels slightly elevated.", "medical_report_id": 1, "patient_id": 1 }, { "medical_report_date": "2024-06-30T10:00:00", "medical_report_details": "Routine check-up: cholesterol levels slightly elevated.", "medical_report_id": 4, "patient_id": 1 }, { "medical_report_date": "2024-06-30T10:00:00", "medical_report_details": "Routine check-up: cholesterol levels slightly elevated.", "medical_report_id": 8, "patient_id": 1 } ]
```

Schedules

- Schedule Get All
- Schedule Get By Schedule_id
- Schedule Post
- Schedule PUT
- Schedule Get By Filter
(Doctor_id,
Schedule_is_Available)

Image For Schedules Testing

Schedule Get All



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/SCHEDULES/

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

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies (2) Headers (4) Test Results

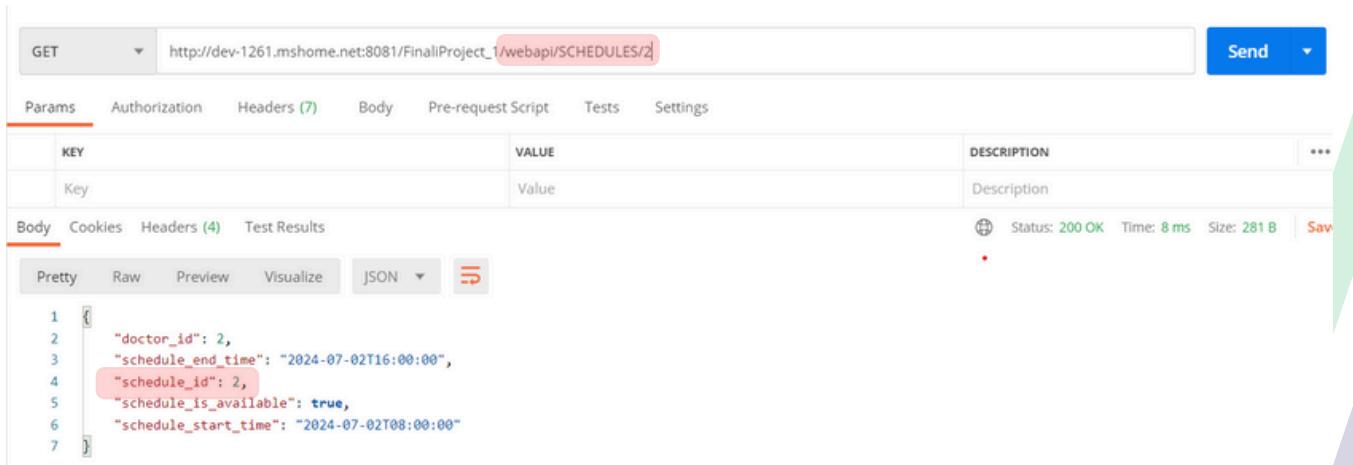
Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "doctor_id": 1,
4     "schedule_end_time": "2024-07-01T16:00:00",
5     "schedule_id": 1,
6     "schedule_is_available": false,
7     "schedule_start_time": "2024-07-01T08:00:00"
8   },
9   {
10     "doctor_id": 2,
11     "schedule_end_time": "2024-07-02T16:00:00",
12     "schedule_id": 2,
13     "schedule_is_available": true,
14     "schedule_start_time": "2024-07-02T08:00:00"
15   },
16   {
17     "doctor_id": 3,
18     "schedule_end_time": "2024-07-03T16:00:00",
19   }
]
```

Status: 200 OK Time: 729 ms Size: 578 B Save

Activate Windows
Go to Settings to activate Windows

Schedule Get By Schedule_id



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/SCHEDULES/2

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "doctor_id": 2,
4     "schedule_end_time": "2024-07-02T16:00:00",
5     "schedule_id": 2,
6     "schedule_is_available": true,
7     "schedule_start_time": "2024-07-02T08:00:00"
8   }
]
```

Status: 200 OK Time: 8 ms Size: 281 B Save

Image For Schedules Testing

Schedule Post

POST http://dev-1261.mshome.net:8081/FinalProject_1/webapi/SCHEDULES/

Body (1) Headers (6) Test Results

1 {
2 "doctor_id": 5,
3 "schedule_end_time": "2024-07-01T16:00:00",
4 "schedule_is_available": true,
5 "schedule_start_time": "2024-07-01T08:00:00"
6 }

Pretty Raw Preview Visualize Text

Status: 201 Created Time: 18 ms Size: 240 B Save

GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/SCHEDULES/

Body (1) Headers (6) Test Results

KEY	VALUE	DESCRIPTION	...
Key	Value	Description	

Pretty Raw Preview Visualize JSON

25 "schedule_end_time": "2024-07-03T16:00:00",
26 "schedule_id": 6,
27 "schedule_is_available": false,
28 "schedule_start_time": "2024-07-03T08:00:00"
29 },
30 {
31 "doctor_id": 1,
32 "schedule_end_time": "2024-07-01T16:00:00",
33 "schedule_id": 7,
34 "schedule_is_available": false,
35 "schedule_start_time": "2024-07-01T08:00:00"
36 },
37 {
38 "doctor_id": 5,
39 "schedule_end_time": "2024-07-01T16:00:00",
40 "schedule_id": 8,
41 "schedule_is_available": true,
42 "schedule_start_time": "2024-07-01T08:00:00"
43 }

Activate Windows
Go to Settings to activate Wind...

Image For Schedules Testing

Schedule PUT

PUT http://dev-1261.mshome.net:8081/FinalProject_1/webapi/SCHEDULES/1 Send

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

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

```
1
2
3
4
5
6
7
{
  "doctor_id": 1,
  "schedule_end_time": "2024-07-01T16:00:00",
  "schedule_id": 1,
  "schedule_is_available": true,
  "schedule_start_time": "2024-07-01T08:00:00"
}
```

Body Cookies (1) Headers (2) Test Results Status: 204 No Content Time: 47 ms Size: 90 B Save

Pretty Raw Preview Visualize Text

1

GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/SCHEDULES/ Send

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

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies (1) Headers (6) Test Results Status: 200 OK Time: 15 ms Size: 1.08 KB Save

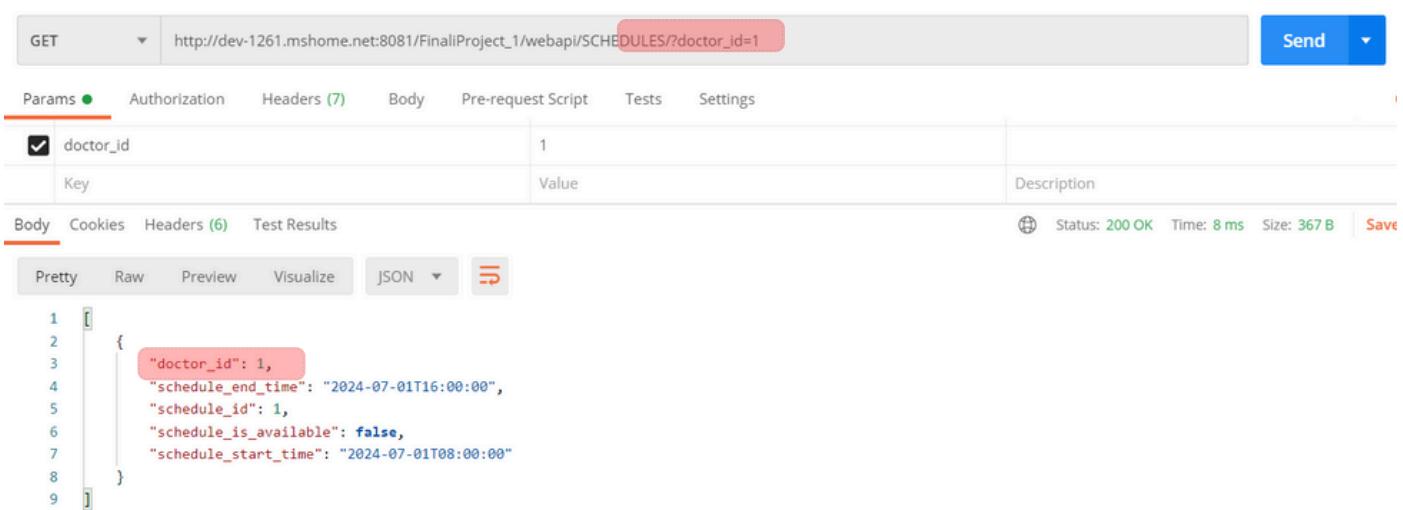
Pretty Raw Preview Visualize JSON

```
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
[
  {
    "doctor_id": 1,
    "schedule_end_time": "2024-07-01T16:00:00",
    "schedule_id": 1,
    "schedule_is_available": true,
    "schedule_start_time": "2024-07-01T08:00:00"
  },
  {
    "doctor_id": 2,
    "schedule_end_time": "2024-07-02T16:00:00",
    "schedule_id": 2,
    "schedule_is_available": true,
    "schedule_start_time": "2024-07-02T08:00:00"
  },
  {
    "doctor_id": 3,
    "schedule_end_time": "2024-07-03T16:00:00",
    "schedule_id": 3,
    "schedule_is_available": true
  }
]
```

Activate Windows
Go to Settings to activate Wind

Image For Schedules Testing

- Schedule Get By Filter Doctor_id



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/SCHEDULES/?doctor_id=1

Params ● Authorization Headers (7) Body Pre-request Script Tests Settings

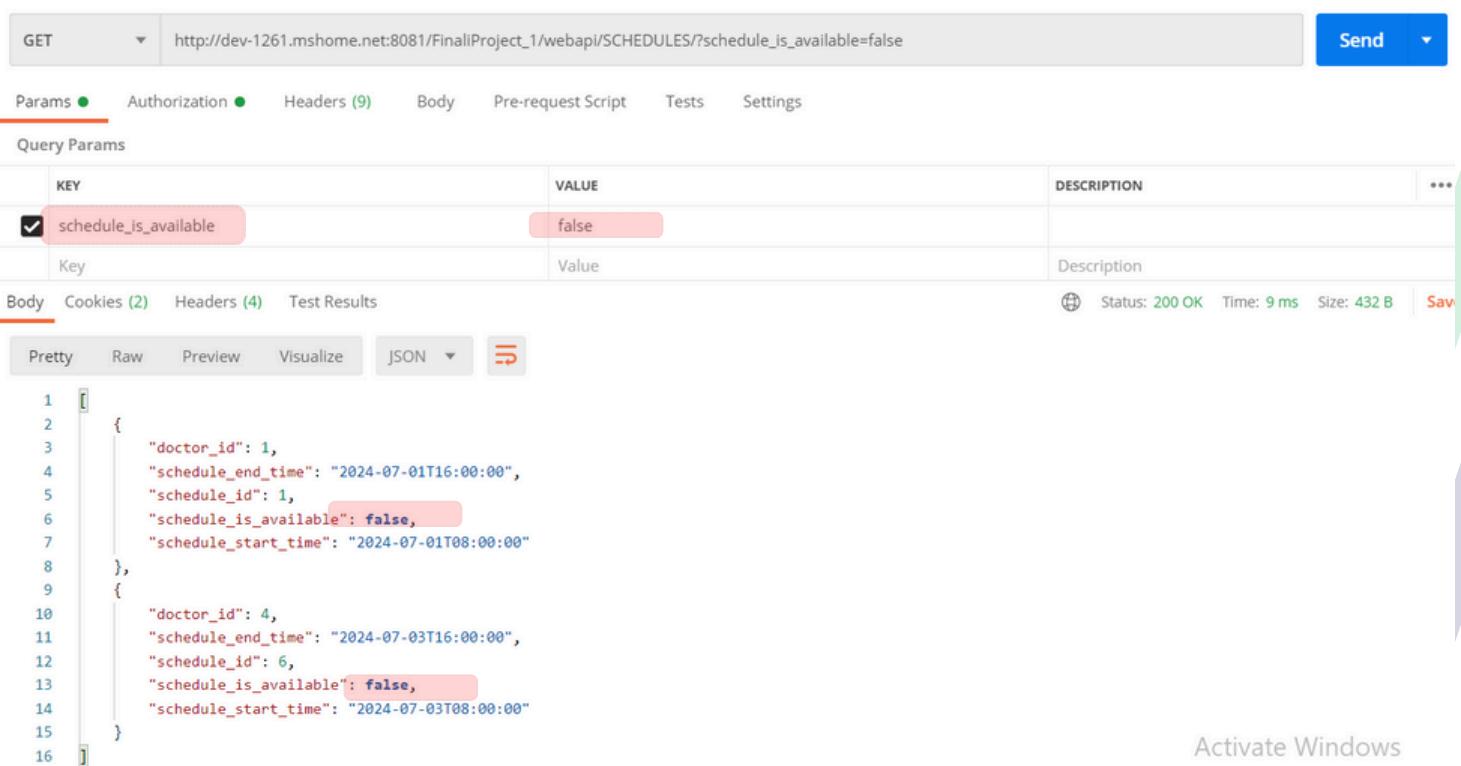
Key	Value	Description
doctor_id	1	

Body Cookies Headers (6) Test Results

Status: 200 OK Time: 8 ms Size: 367 B Save

```
1 [ { 2   "doctor_id": 1, 3   "schedule_end_time": "2024-07-01T16:00:00", 4   "schedule_id": 1, 5   "schedule_is_available": false, 6   "schedule_start_time": "2024-07-01T08:00:00" 7 } ]
```

- Schedule Get By Filter Schedule_is_Available



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/SCHEDULES/?schedule_is_available=false

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

Query Params

KEY	VALUE	DESCRIPTION
schedule_is_available	false	

Body Cookies (2) Headers (4) Test Results

Status: 200 OK Time: 9 ms Size: 432 B Save

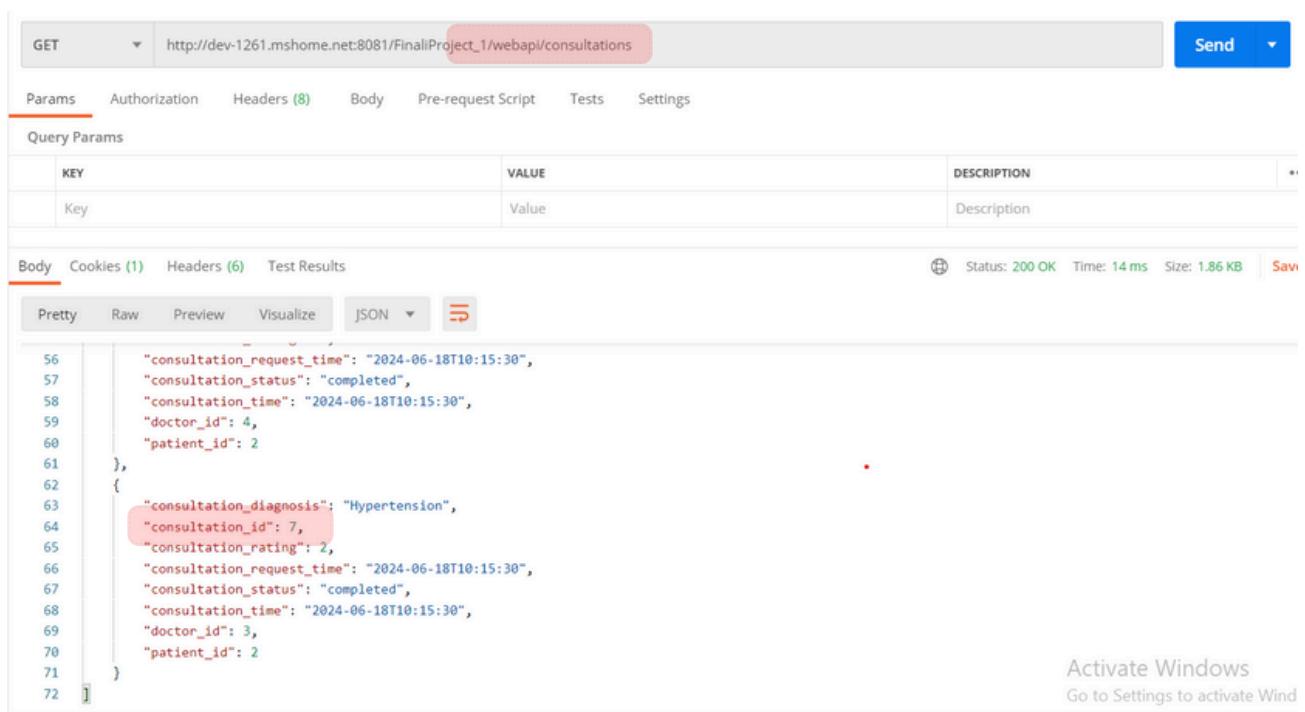
```
1 [ { 2   "doctor_id": 1, 3   "schedule_end_time": "2024-07-01T16:00:00", 4   "schedule_id": 1, 5   "schedule_is_available": false, 6   "schedule_start_time": "2024-07-01T08:00:00" 7 }, 8   { 9     "doctor_id": 4, 10    "schedule_end_time": "2024-07-03T16:00:00", 11    "schedule_id": 6, 12    "schedule_is_available": false, 13    "schedule_start_time": "2024-07-03T08:00:00" 14 } ]
```

Consultations

- Consultations Get All
- Consultations Get By Consultations_id
- Consultations Post
- Consultations PUT
- Consultations Get By Filter
(Consultations_Rating,
Consultations_Status)

Image For Consultations Testing

- Consultations Post with automatic ID addition



GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations

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

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

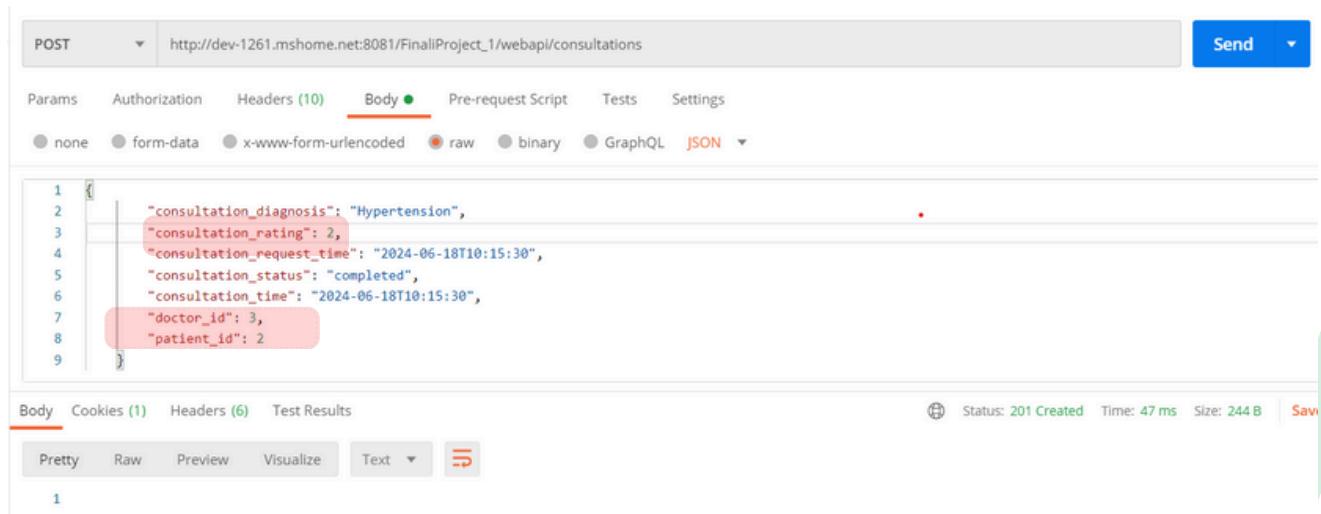
Body Cookies (1) Headers (6) Test Results

Status: 200 OK Time: 14 ms Size: 1.86 KB Save

Pretty Raw Preview Visualize JSON

```
56      "consultation_request_time": "2024-06-18T10:15:30",
57      "consultation_status": "completed",
58      "consultation_time": "2024-06-18T10:15:30",
59      "doctor_id": 4,
60      "patient_id": 2
61    },
62    {
63      "consultation_diagnosis": "Hypertension",
64      "consultation_id": 7,
65      "consultation_rating": 2,
66      "consultation_request_time": "2024-06-18T10:15:30",
67      "consultation_status": "completed",
68      "consultation_time": "2024-06-18T10:15:30",
69      "doctor_id": 3,
70      "patient_id": 2
71    }
72  ]
```

Activate Windows
Go to Settings to activate Wind



POST http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations

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

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

Body Cookies (1) Headers (6) Test Results

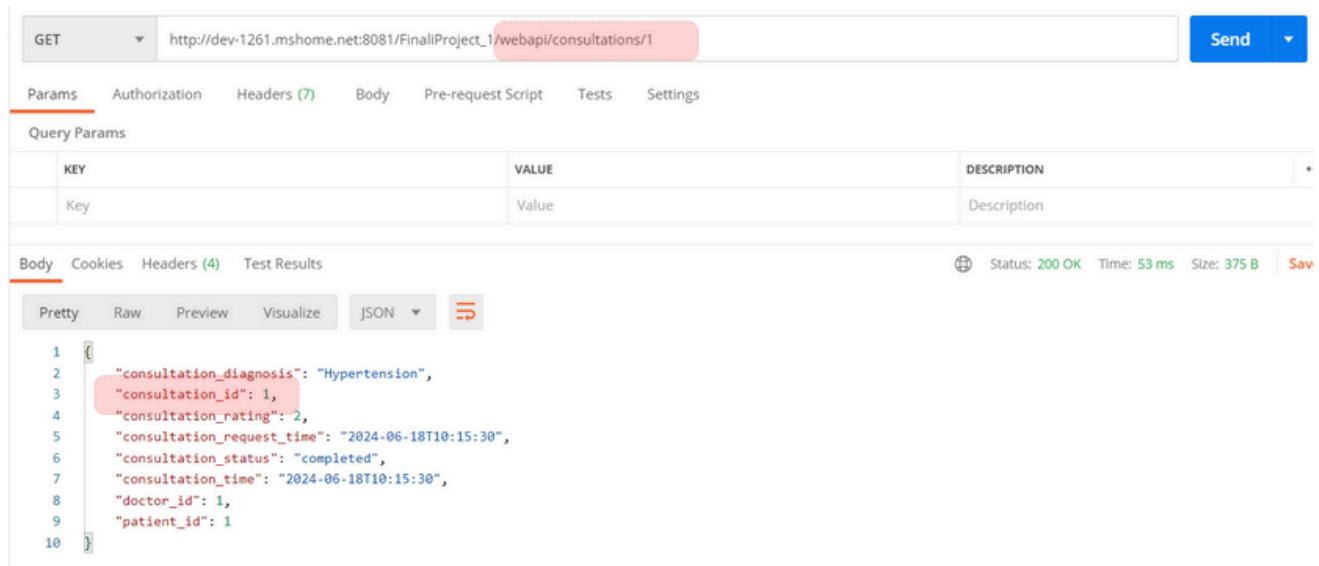
Status: 201 Created Time: 47 ms Size: 244 B Save

Pretty Raw Preview Visualize Text

```
1  [
2    {
3      "consultation_diagnosis": "Hypertension",
4      "consultation_id": 2,
5      "consultation_rating": 2,
6      "consultation_request_time": "2024-06-18T10:15:30",
7      "consultation_status": "completed",
8      "consultation_time": "2024-06-18T10:15:30",
9      "doctor_id": 3,
10     "patient_id": 2
11   }
12 ]
```

Image For Consultations Testing

- Consultations Get By Consultations_id



The screenshot shows a Postman request for a GET operation on the URL `http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations/1`. The 'Params' tab is selected, showing a single query parameter 'Key' with the value 'Value'. The 'Body' tab is selected, displaying a JSON response with line numbers:

```
1 {  
2   "consultation_diagnosis": "Hypertension",  
3   "consultation_id": 1,  
4   "consultation_rating": 2,  
5   "consultation_request_time": "2024-06-18T10:15:30",  
6   "consultation_status": "completed",  
7   "consultation_time": "2024-06-18T10:15:30",  
8   "doctor_id": 1,  
9   "patient_id": 1  
10 }
```

The status bar at the bottom indicates a successful response: Status: 200 OK, Time: 53 ms, Size: 375 B.

Image For Consultations Testing

Consultations Post

POST http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations

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

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

```
1 {
2     "consultation_diagnosis": "Hypertension",
3     "consultation_rating": 3,
4     "consultation_request_time": "2024-06-18T10:15:30",
5     "consultation_status": "completed",
6     "consultation_time": "2024-06-18T10:15:30",
7     "doctor_id": 4,
8     "patient_id": 2
9 }
```

Body Cookies (2) Headers (6) Test Results Status: 201 Created Time: 16 ms Size: 244 B Save

Pretty Raw Preview Visualize Text

GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations

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

Query Params

KEY	VALUE	DESCRIPTION	***
Key	Value	Description	

Body Cookies (2) Headers (6) Test Results Status: 200 OK Time: 10 ms Size: 1.62 KB Save

Pretty Raw Preview Visualize JSON

```
44     "consultation_id": >,
45     "consultation_rating": 0,
46     "consultation_request_time": "2024-06-18T10:15:30",
47     "consultation_status": "completed",
48     "consultation_time": "2024-06-18T10:15:30",
49     "doctor_id": 6,
50     "patient_id": 6
51 },
52 {
53     "consultation_diagnosis": "Hypertension",
54     "consultation_id": 6,
55     "consultation_rating": 3,
56     "consultation_request_time": "2024-06-18T10:15:30",
57     "consultation_status": "completed",
58     "consultation_time": "2024-06-18T10:15:30",
59     "doctor_id": 4,
60     "patient_id": 2
61 }
62 ]
```

Activate Windows
Go to Settings to activate Wind

Image For Consultations Testing

- Consultations PUT to change only rating

The screenshot shows a POST request in Postman. The URL is `http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations/1`. The 'Body' tab is selected, showing a JSON payload:

```
{  
  "consultation_rating": 2  
}
```

Two red circles are drawn around the URL (labeled 1) and the JSON key 'consultation_rating' (labeled 2).

The screenshot shows a GET request in Postman. The URL is `http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations/`. The 'Params' tab is selected, showing a 'Query Params' table:

KEY	VALUE	DESCRIPTION
Key	Value	Description

The 'Body' tab is selected, showing a JSON response:

```
{  
  "consultation_diagnosis": "Hypertension",  
  "consultation_id": 1,  
  "consultation_rating": 2,  
  "consultation_request_time": "2024-06-18T10:15:30",  
  "consultation_status": "completed",  
  "consultation_time": "2024-06-18T10:15:30",  
  "doctor_id": 1,  
  "patient_id": 1  
},  
,  
{  
  "consultation_diagnosis": "Hypertension",  
  "consultation_id": 2,  
  "consultation_rating": 3,  
  "consultation_request_time": "2023-05-18T10:15:30",  
  "consultation_status": "completed",  
  "doctor_id": 2,  
  "patient_id": 2  
}
```

A red circle is drawn around the JSON key 'consultation_rating' in the first object (labeled 3).

Image For Consultations Testing

- Consultations Get By Filter
Consultations_Status

The screenshot shows a Postman request configuration for a GET request to http://dev-1261.mshome.net:8081/FinalProject_1/webapi/consultations?consultation_status=Pending. The 'Params' tab is selected, showing a single query parameter 'consultation_status' set to 'Pending'. The 'Body' tab is also visible. The response JSON is displayed in Pretty mode, showing a single consultation object with the following fields:

```
1  {
2   "consultation_diagnosis": "",
3   "consultation_id": 4,
4   "consultation_rating": 0,
5   "consultation_request_time": "2021-06-18T10:15:30",
6   "consultation_status": "Pending",
7   "consultation_time": "2021-06-18T10:15:30",
8   "doctor_id": 4,
9   "patient_id": 4
10 }
11 ]
12 }
```

The status bar at the bottom indicates a successful 200 OK response with a time of 11 ms and a size of 446 B.

Login

- Doctors Login
- Patient Login

Image For Login Testing

Doctors Login

Untitled Request

GET http://DEV-1261.mshome.net:8081/FinalProject_1/webapi/secures

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

TYPE Basic Auth

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Username Noor@gmail.com
Password Noor1
 Show Password

Body Cookies (1) Headers (4) Test Results Status: 200 OK Time: 11 ms Size: 145 B Save Response

Pretty Raw Preview Visualize Text

```
1  you are logged in
```

GET http://dev-1261.mshome.net:8081/FinalProject_1/webapi/doctors/

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

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies (1) Headers (4) Test Results Status: 200 OK Time: 16 ms Size: 2.72 KB Save

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "doctor_email": "Noor@gmail.com",
4     "doctor_id": 1,
5     "doctor_name": "Noor",
6     "doctor_password": "Noor1",
7     "doctor_phone": "0567889998",
8     "doctor_specialty": "Pediatrics"
9   },
10  {
11    "doctor_email": "Roz@gmail.com",
12    "doctor_id": 2,
13    "doctor_name": "Roz",
14    "doctor_password": "Roz1",
15    "doctor_phone": "0566671234",
16  }
```

Activate Windows
Go to Settings to activate Wind

Image For Login Testing

• Patient Login

The screenshot shows a POST request to http://DEV-1261.mshome.net:8081/FinalProject_1/webapi/secures. The 'Authorization' tab is selected, showing 'Basic Auth' with the username 'abdullah.alharbi@example.com' and password 'pass1234'. A note says: 'Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables.' The response status is 200 OK, time 7 ms, size 145 B.

```
1 you are logged in
```

The screenshot shows a GET request to http://dev-1261.mshome.net:8081/FinalProject_1/webapi/PATIENTS. The 'Body' tab is selected, showing a JSON response with three patient records. The response status is 200 OK, time 29 ms, size 1.64 KB.

```
1 [
2   {
3     "patient_birth_date": "1980-05-10",
4     "patient_email": "abdullah.alharbi@example.com",
5     "patient_id": 6,
6     "patient_name": "Abdullah Al-Harbi",
7     "patient_password": "pass1234",
8     "patient_phone": "+966-55-456-7890"
9   },
10  {
11    "patient_birth_date": "1992-08-15",
12    "patient_email": "aisha.almutairi@example.com",
13    "patient_id": 7,
14    "patient_name": "Aisha Al-Mutairi",
15    "patient_password": "pass5678",
16    "patient_phone": "+966-55-567-8901"
17  },
18  {
19    "patient_birth_date": "1985-12-20",
20    "patient_email": "Ali.alghamdi@example.com",
21    "patient_id": 8,
22    "patient_name": "Ali Al-Ghamdi",
23    "patient_password": "pass91011",
24    "patient_phone": "+966-55-678-9012"
25  }
]
```

Activate Windows
Go to Settings to activate Wind