

# API Calls & Test Results

## Room End Points :

### 1.Create room

The screenshot shows a Postman interface with a successful API call. The URL is `http://127.0.0.1:3001/rooms`. The request method is `POST`. The response status is `201 Created` with a response time of `143 ms` and a size of `473 B`. The response body is a JSON object representing a created room:

```
1 {  
2   "name": "Meeting Room - 5",  
3   "capacity": 80,  
4   "floor": 4,  
5   "amenities": [ "Air-conditioned", "projector", "Wi-Fi", "Canteen"]  
6 }
```

The response body in the preview tab is identical:

```
1 {  
2   "name": "MEETING ROOM - 5",  
3   "capacity": 80,  
4   "floor": 4,  
5   "amenities": [  
6     "Air-conditioned",  
7     "projector",  
8     "Wi-Fi",  
9     "Canteen"  
10    ],  
11    "_id": "6943718d9f0d31f3bc8271fe",  
12    "createdAt": "2025-12-18T03:14:21.386Z",  
13    "updatedAt": "2025-12-18T03:14:21.386Z",  
14    "__v": 0  
15 }
```

### 2.Check minCapacity & floor values must be integer

The screenshot shows a Postman interface with a failed API call. The URL is `http://127.0.0.1:3001/rooms`. The request method is `POST`. The response status is `400 Bad Request` with a response time of `9 ms` and a size of `352 B`. The response body is a JSON object indicating validation errors:

```
1 {  
2   "errorType": "ValidationError",  
3   "messages": [  
4     "Capacity must be an integer",  
5     "Floor value must be an integer"  
6   ]  
7 }
```

### 3.Capacity must be positive(>=1)

The screenshot shows a POST request to `http://127.0.0.1:3001/rooms`. The request body contains:

```
1 {  
2   "name" : "Meeting Room - 5",  
3   "capacity" : -50,  
4   "floor" : 4,  
5   "amenities": [ "Air-conditioned", "projector", "Wi-Fi", "Canteen"]  
6 }
```

The response is a 400 Bad Request with the message: "Capacity must be positive (>=1)".

### 4.name must be unique

The screenshot shows a POST request to `http://127.0.0.1:3001/rooms`. The request body contains:

```
1 {  
2   "name" : "Meeting Room - 5",  
3   "capacity" : 50,  
4   "floor" : 4,  
5   "amenities": [ "Air-conditioned", "projector", "Wi-Fi", "Canteen"]  
6 }
```

The response is a 400 Bad Request with the message: "Room name must be unique".

## 5.Get all rooms

GET http://127.0.0.1:3001/rooms

Params

Key	Value	Description
Key	Value	Description

Body

```
1 [  
2 {  
3   "_id": "6940f2a47e3c6b3893a220b3",  
4   "name": "MEETING ROOM - 1",  
5   "capacity": 70,  
6   "floor": 1,  
7   "amenities": [  
8     "Air-conditioned",  
9     "projector",  
10    "Wi-Fi",  
11    "parking"  
12  ],  
13  "createdAt": "2025-12-16T05:48:20.149Z",  
14  "updatedAt": "2025-12-16T05:48:20.149Z"  
15 },  
16 ]
```

200 OK • 135 ms • 1.32 KB • Save Response

## 6.Get rooms only using minCapacity

GET http://127.0.0.1:3001/rooms?minCapacity=70

Params

Key	Value	Description
minCapacity	70	
Key	Value	Description

Body

```
1 [  
2 {  
3   "_id": "6940f2a47e3c6b3893a220b3",  
4   "name": "MEETING ROOM - 1",  
5   "capacity": 70,  
6   "floor": 1,  
7   "amenities": [  
8     "Air-conditioned",  
9     "projector",  
10    "Wi-Fi",  
11    "parking"  
12  ],  
13  "createdAt": "2025-12-16T05:48:20.149Z",  
14  "updatedAt": "2025-12-16T05:48:20.149Z"  
15 },  
16 {  
17   "_id": "6943718d9f0d31f3bc8271fe",  
18   "name": "MEETING ROOM - 5",  
19   "capacity": 80,  
20   "floor": 5  
21 }]
```

200 OK • 95 ms • 688 B • Save Response

## 7.Get rooms only using amenity

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** http://127.0.0.1:3001/rooms?amenity=parking
- Headers:** (9)
- Body:** (JSON) [ Room Object ]
- Response Status:** 200 OK
- Response Time:** 93 ms
- Response Size:** 462 B
- Content:** (JSON object)

Key	Value	Description	Bulk Edit
amenity	parking		

```
1 [  
2 {  
3   "_id": "6940f2a47e3c6b3893a220b3",  
4   "name": "MEETING ROOM - 1",  
5   "capacity": 70,  
6   "floor": 1,  
7   "amenities": [  
8     "Air-conditioned",  
9     "projector",  
10    "Wi-Fi",  
11    "parking"  
12  ],  
13  "createdAt": "2025-12-16T05:48:20.149Z",  
14  "updatedAt": "2025-12-16T05:48:20.149Z"  
15 }]  
16 ]
```

## 8.Get rooms using minCapacity & amenity

The screenshot shows a Postman request for a GET endpoint at `http://127.0.0.1:3001/rooms?minCapacity=80&amenity=Wi-Fi`. The Params tab is selected, showing two parameters: `minCapacity` with value `80` and `amenity` with value `Wi-Fi`. The response status is `200 OK` with a time of `96 ms` and a size of `462 B`. The response body is a JSON array containing one room object:

```
1 [ 2 { 3   "_id": "6943718d9f0d31f3bc8271fe", 4   "name": "MEETING ROOM - 5", 5   "capacity": 80, 6   "floor": 4, 7   "amenities": [ 8     "Air-conditioned", 9     "projector", 10    "Wi-Fi", 11    "Canteen" 12 ], 13   "createdAt": "2025-12-18T03:14:21.386Z", 14   "updatedAt": "2025-12-18T03:14:21.386Z" 15 } 16 ]
```

## 9.minCapacity must be an integer

The screenshot shows a Postman request for a GET endpoint at `http://127.0.0.1:3001/rooms?minCapacity=60.5`. The Params tab is selected, showing one parameter: `minCapacity` with value `60.5`. The response status is `400 Bad Request` with a time of `9 ms` and a size of `288 B`. The response body is a JSON object with a single key `message`:

```
1 { 2   "message": "minCapacity must be an integer" 3 }
```

## Booking end points :

### 10.Create booking

The screenshot shows a Postman interface with the following details:

- Method:** POST
- URL:** http://127.0.0.1:3001/bookings
- Body:** Raw JSON (selected)
- Request Body:**

```
1 {  
2     "roomId" : "6943718d9f0d31f3bc8271fe",  
3     "title" : "Meeting Room 5 - 1",  
4     "organizerEmail" : "abc@gmail.com",  
5     "startTime" : "2025-12-23T12:00:00+05:30",  
6     "endTime" : "2025-12-23T14:30:00+05:30"  
7 }
```
- Response Status:** 201 Created
- Response Time:** 413 ms
- Response Size:** 480 B
- Response Headers:** (7)
- Response Body:**

```
1 {  
2     "roomId": "6943718d9f0d31f3bc8271fe",  
3     "title": "Meeting Room 5 - 1",  
4     "organizerEmail": "abc@gmail.com",  
5     "startTime": "2025-12-23T12:00:00+05:30",  
6     "endTime": "2025-12-23T14:30:00+05:30",  
7     "status": "confirmed",  
8     "_id": "69437aa98bac15fc525b605e",  
9     "__v": 0  
10 }
```

### 11.Check startTime < endTime

The screenshot shows a Postman interface with the following details:

- Method:** POST
- URL:** http://127.0.0.1:3001/bookings
- Body:** Raw JSON (selected)
- Request Body:**

```
1 {  
2     "roomId" : "6943718d9f0d31f3bc8271fe",  
3     "title" : "Meeting Room 5 - 1",  
4     "organizerEmail" : "abc@gmail.com",  
5     "startTime" : "2025-12-23T15:00:00+05:30",  
6     "endTime" : "2025-12-23T14:30:00+05:30"  
7 }
```
- Response Status:** 400 Bad Request
- Response Time:** 8 ms
- Response Size:** 293 B
- Response Headers:** (7)
- Response Body:**

```
1 {  
2     "message": "Start time must be before end time."  
3 }
```

## 12.Check booking duration

POST <http://127.0.0.1:3001/bookings> Send

Docs Params Authorization Headers (9) **Body** • Scripts Tests Settings Cookies

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

```
1 {  
2   "roomId" : "6943718d9f0d31f3bc8271fe",  
3   "title" : "Meeting Room 5 - 1",  
4   "organizerEmail" : "abc@gmail.com",  
5   "startTime" : "2025-12-23T10:00:00+05:30",  
6   "endTime" : "2025-12-23T10:14:00+05:30"  
7 }
```

Body Cookies Headers (7) Test Results | ⌚

400 Bad Request • 8 ms • 306 B • 🌐 Save Response ⚙️

{ } JSON ▾ ▶ Preview ⚡ Debug with AI ▾

```
1 {  
2   "message": "Duration must be between 15 minutes and 4 hours."  
3 }
```

POST <http://127.0.0.1:3001/bookings> Send

Docs Params Authorization Headers (9) **Body** • Scripts Tests Settings Cookies

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

```
1 {  
2   "roomId" : "6943718d9f0d31f3bc8271fe",  
3   "title" : "Meeting Room 5 - 1",  
4   "organizerEmail" : "abc@gmail.com",  
5   "startTime" : "2025-12-23T10:00:00+05:30",  
6   "endTime" : "2025-12-23T14:00:01+05:30"  
7 }
```

Body Cookies Headers (7) Test Results | ⌚

400 Bad Request • 7 ms • 306 B • 🌐 Save Response ⚙️

{ } JSON ▾ ▶ Preview ⚡ Debug with AI ▾

```
1 {  
2   "message": "Duration must be between 15 minutes and 4 hours."  
3 }
```

### 13.Booking only from Mon - Fri

The screenshot shows a Postman request configuration for a POST method to the URL `http://127.0.0.1:3001/bookings`. The request body is set to raw JSON with the following content:

```
1 {
2     "roomId" : "6943718d9f0d31f3bc8271fe",
3     "title" : "Meeting Room 5 - 1",
4     "organizerEmail" : "abc@gmail.com",
5     "startTime" : "2025-12-20T11:00:00+05:30",
6     "endTime" : "2025-12-20T12:00:00+05:30"
7 }
```

The response status is 400 Bad Request, with a duration of 18 ms and a size of 292 B. The response body is:

```
{ "message": "Bookings are allowed only Mon-Fri." }
```

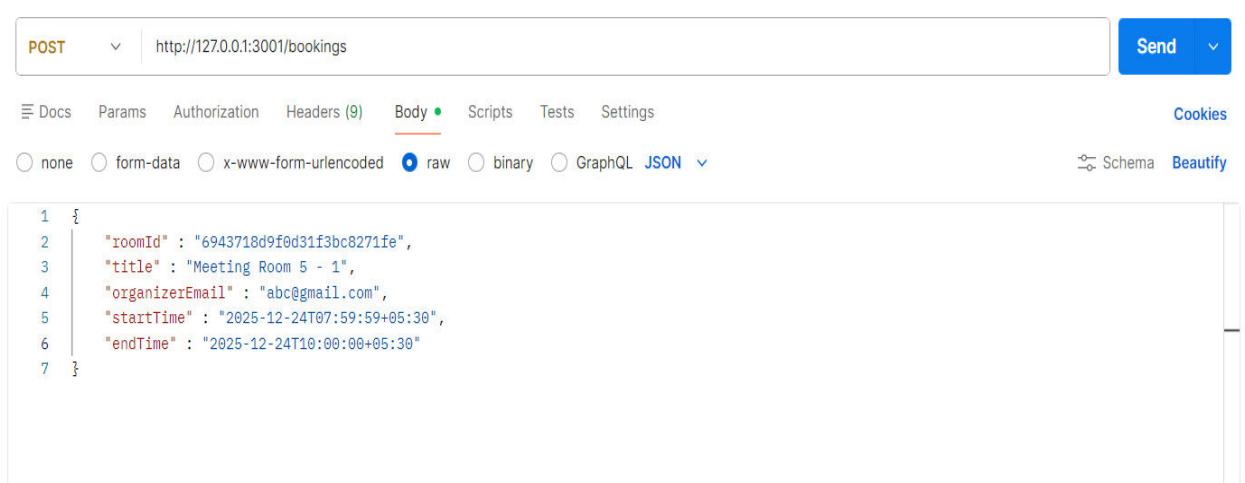
The screenshot shows a Postman request configuration for a POST method to the URL `http://127.0.0.1:3001/bookings`. The request body is set to raw JSON with the following content:

```
1 {
2     "roomId" : "6943718d9f0d31f3bc8271fe",
3     "title" : "Meeting Room 5 - 1",
4     "organizerEmail" : "abc@gmail.com",
5     "startTime" : "2025-12-21T11:00:00+05:30",
6     "endTime" : "2025-12-21T12:00:00+05:30"
7 }
```

The response status is 400 Bad Request, with a duration of 10 ms and a size of 292 B. The response body is:

```
{ "message": "Bookings are allowed only Mon-Fri." }
```

## 14. Booking only from 08:00 - 20:00



POST  http://127.0.0.1:3001/bookings

Docs Params Authorization Headers (9) **Body**   Scripts Tests Settings Cookies

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

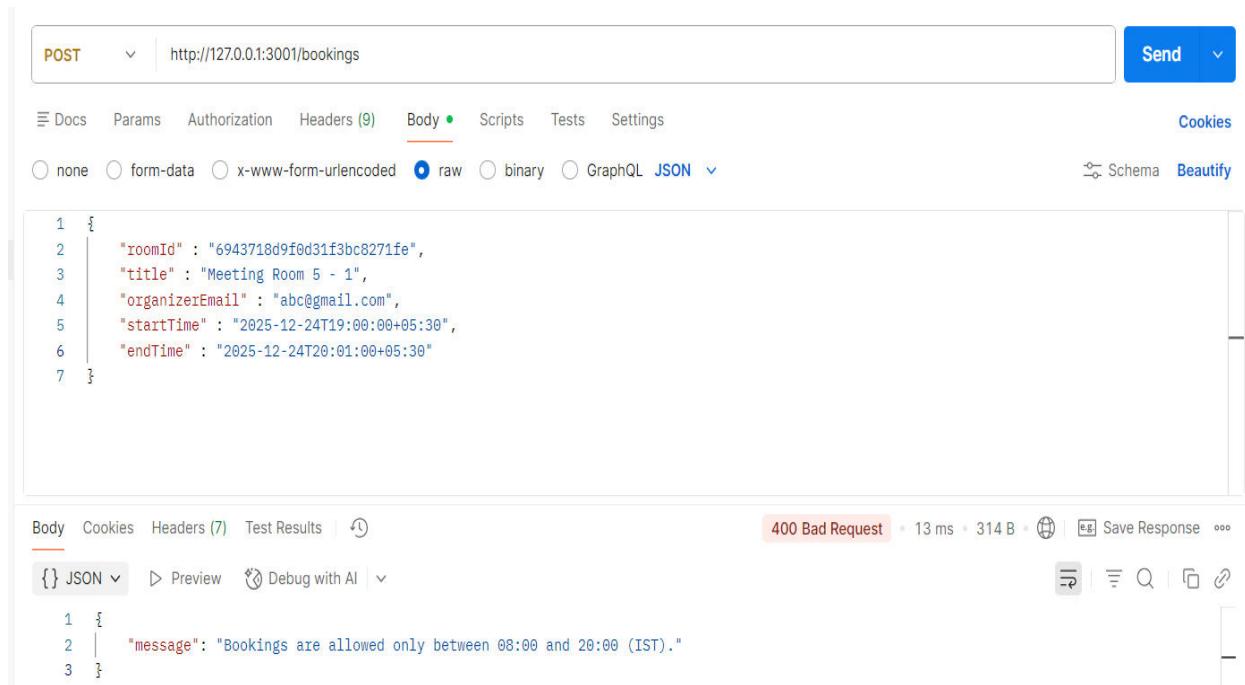
```
1 {  
2   "roomId" : "6943718d9f0d31f3bc8271fe",  
3   "title" : "Meeting Room 5 - 1",  
4   "organizerEmail" : "abc@gmail.com",  
5   "startTime" : "2025-12-24T07:59:59+05:30",  
6   "endTime" : "2025-12-24T10:00:00+05:30"  
7 }
```

Body Cookies Headers (7) Test Results

400 Bad Request • 20 ms • 314 B •

{ } JSON

```
1 {  
2   "message": "Bookings are allowed only between 08:00 and 20:00 (IST)."  
3 }
```



POST  http://127.0.0.1:3001/bookings

Docs Params Authorization Headers (9) **Body**   Scripts Tests Settings Cookies

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

```
1 {  
2   "roomId" : "6943718d9f0d31f3bc8271fe",  
3   "title" : "Meeting Room 5 - 1",  
4   "organizerEmail" : "abc@gmail.com",  
5   "startTime" : "2025-12-24T19:00:00+05:30",  
6   "endTime" : "2025-12-24T20:01:00+05:30"  
7 }
```

Body Cookies Headers (7) Test Results

400 Bad Request • 13 ms • 314 B •

{ } JSON

```
1 {  
2   "message": "Bookings are allowed only between 08:00 and 20:00 (IST)."  
3 }
```

## 15. Ensure no overlapping confirmed bookings

POST  http://127.0.0.1:3001/bookings

Docs Params Authorization Headers (9) **Body**  Scripts Tests Settings Cookies

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

`1 {  
2 "roomId" : "6943718d9f0d31f3bc8271fe",  
3 "title" : "Meeting Room 5 - 1",  
4 "organizerEmail" : "abc@gmail.com",  
5 "startTime" : "2025-12-23T13:00:00+05:30",  
6 "endTime" : "2025-12-23T15:30:00+05:30"  
7 }`

Body Cookies Headers (7) Test Results |

409 Conflict • 269 ms • 310 B •

{ } JSON  Preview

`1 {  
2 "message": "This room is already booked for the selected time slot."  
3 }`

## 16. Handling undefined routes

POST  http://127.0.0.1:3001/bookings/undefinedRoute

Docs Params Authorization Headers (9) **Body**  Scripts Tests Settings Cookies

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

`1 {  
2 "roomId" : "6943718d9f0d31f3bc8271fe",  
3 "title" : "Meeting Room 5 - 1",  
4 "organizerEmail" : "abc@gmail.com",  
5 "startTime" : "2025-12-23T13:00:00+05:30",  
6 "endTime" : "2025-12-23T15:30:00+05:30"  
7 }`

Body Cookies Headers (7) Test Results |

404 Not Found • 12 ms • 271 B •

{ } JSON  Preview

`1 {  
2 "message": "Route not found"  
3 }`

## 17. Get all bookings

The screenshot shows a Postman interface with a GET request to `http://127.0.0.1:3001/bookings`. The response status is 200 OK, with a response time of 272 ms and a size of 7.08 KB. The response body is a JSON array of booking objects, each containing details like room ID, title, organizer email, start time, end time, and status. The total count is 30, limit is null, and offset is null.

```
257 |     "roomId": "6940f31e7e3c6b3893a220b7",
258 |     "title": "Meeting Room 3 - 10",
259 |     "organizerEmail": "abc@gmail.com",
260 |     "startTime": "2025-12-23T19:20:00+05:30",
261 |     "endTime": "2025-12-23T19:50:00+05:30",
262 |     "status": "confirmed"
263 |   },
264 |   {
265 |     "_id": "69437aa98bac15fc525b605e",
266 |     "roomId": "6943718d9ff0d31f3bc8271fe",
267 |     "title": "Meeting Room 5 - 1",
268 |     "organizerEmail": "abc@gmail.com",
269 |     "startTime": "2025-12-23T12:00:00+05:30",
270 |     "endTime": "2025-12-23T14:30:00+05:30",
271 |     "status": "confirmed"
272 |   }
273 | ],
274 | "total": 30,
275 | "limit": null,
276 | "offset": null
277 | }
```

## 18. Get bookings using 3 filters(roomId, from, to)

The screenshot shows a Postman interface with a GET request to `http://127.0.0.1:3001/bookings?roomId=6940f31e7e3c6b3893a220b7&from=2025-12-23T11:00:00+05:30&to=2025-12-23T18:00:00+05:30&limit=3&offset=2`. The response status is 200 OK, with a response time of 268 ms and a size of 975 B. The response body is a JSON array of booking objects, each containing details like room ID, title, organizer email, start time, end time, and status. The total count is 6, limit is 3, and offset is 2.

```
19 |     "status": "confirmed"
20 |   },
21 |   {
22 |     "_id": "694230605bf1c4e36f200ce7",
23 |     "roomId": "6940f31e7e3c6b3893a220b7",
24 |     "title": "Meeting Room 2 - 7",
25 |     "organizerEmail": "abc@gmail.com",
26 |     "startTime": "2025-12-23T16:30:00+05:30",
27 |     "endTime": "2025-12-23T17:00:00+05:30",
28 |     "status": "confirmed"
29 |   }
30 | ],
31 | "total": 6,
32 | "limit": 3,
33 | "offset": 2
34 | }
```

## 19. Get bookings only using roomId & from

The screenshot shows the Postman interface with a GET request to `http://127.0.0.1:3001/bookings?roomId=6940f31e7e3c6b3893a220b7&from=2025-12-23T11:00:00+05:30&limit=1&offset=0`. The 'Params' tab is selected, displaying the following parameters:

Key	Value	Description	Bulk Edit
roomId	6940f31e7e3c6b3893a220b7		
from	2025-12-23T11:00:00+05:30		
limit	1		
offset	0		

The 'Body' tab shows the JSON response:

```
1 {  
2   "items": [  
3     {  
4       "_id": "694230095bf1c4e36f200cd1",  
5       "roomId": "6940f31e7e3c6b3893a220b7",  
6       "title": "Meeting Room 2 - 3",  
7       "organizerEmail": "abc@gmail.com",  
8       "startTime": "2025-12-23T10:30:00+05:30",  
9       "endTime": "2025-12-23T11:30:00+05:30",  
10      "status": "confirmed"  
11    }  
12  ],  
13  "total": 8,  
14  "limit": 1,  
15  "offset": 0  
16 }
```

## 20. Get bookings only using roomId & to

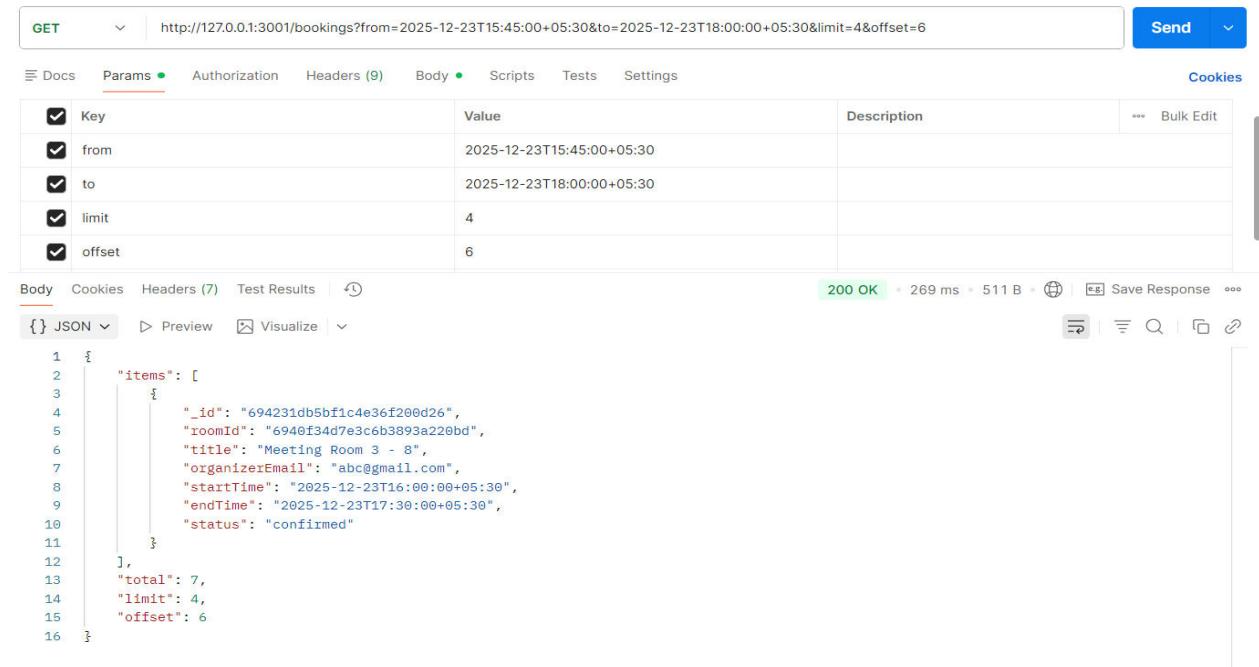
The screenshot shows the Postman interface with a GET request to `http://127.0.0.1:3001/bookings?roomId=6940f31e7e3c6b3893a220b7&to=2025-12-23T17:45:00+05:30&limit=1&offset=7`. The 'Params' tab is selected, displaying the following parameters:

Key	Value	Description	Bulk Edit
roomId	6940f31e7e3c6b3893a220b7		
to	2025-12-23T17:45:00+05:30		
limit	1		
offset	7		

The 'Body' tab shows the JSON response:

```
1 {  
2   "items": [  
3     {  
4       "_id": "6942306c5bf1c4e36f200ceb",  
5       "roomId": "6940f31e7e3c6b3893a220b7",  
6       "title": "Meeting Room 2 - 8",  
7       "organizerEmail": "abc@gmail.com",  
8       "startTime": "2025-12-23T17:30:00+05:30",  
9       "endTime": "2025-12-23T18:00:00+05:30",  
10      "status": "confirmed"  
11    }  
12  ],  
13  "total": 8,  
14  "limit": 1,  
15  "offset": 7  
16 }
```

## 21. Get bookings only using from & to



GET http://127.0.0.1:3001/bookings?from=2025-12-23T15:45:00+05:30&to=2025-12-23T18:00:00+05:30&limit=4&offset=6

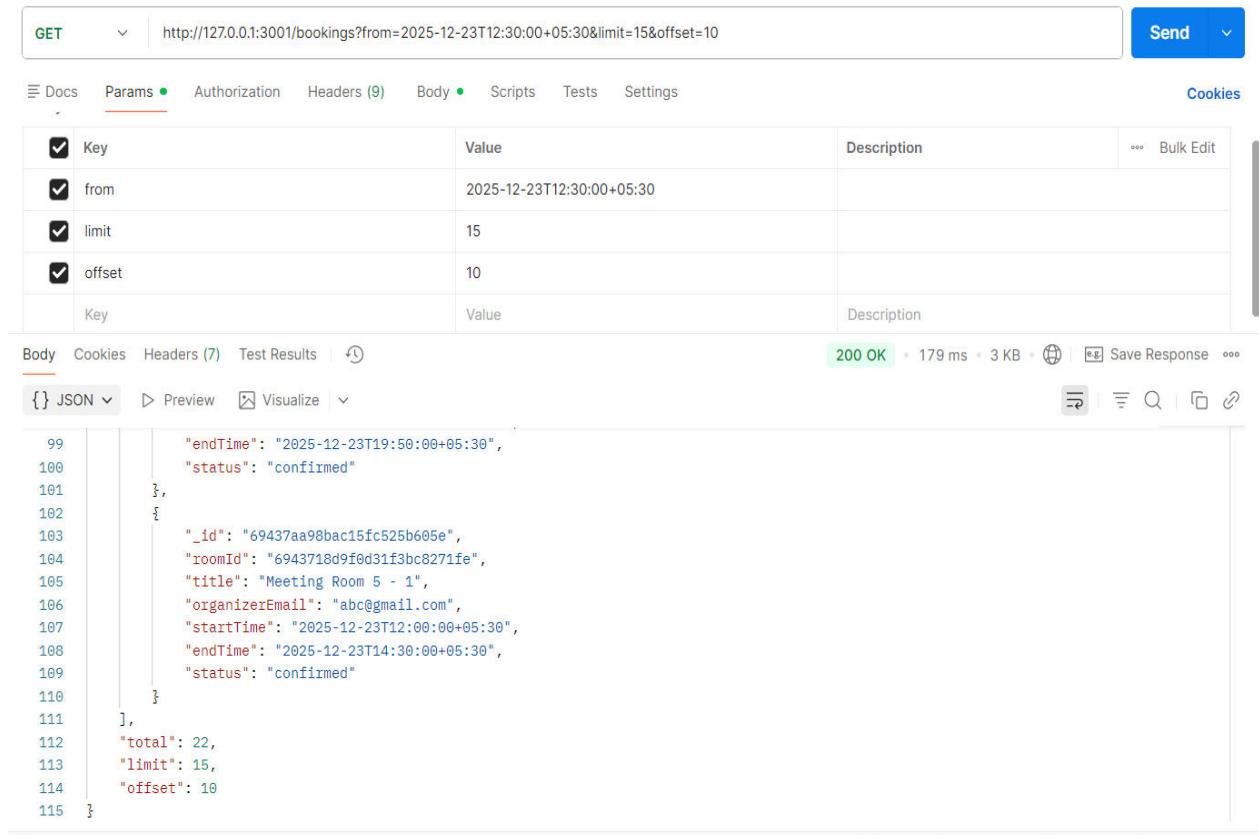
Params (9)

Key	Value	Description
from	2025-12-23T15:45:00+05:30	
to	2025-12-23T18:00:00+05:30	
limit	4	
offset	6	

Body (JSON)

```
1 {  
2   "items": [  
3     {  
4       "_id": "694231db5bf1c4e36f200d26",  
5       "roomId": "6940f34d7e3c6b3893a220bd",  
6       "title": "Meeting Room 3 - 8",  
7       "organizerEmail": "abc@gmail.com",  
8       "startTime": "2025-12-23T16:00:00+05:30",  
9       "endTime": "2025-12-23T17:30:00+05:30",  
10      "status": "confirmed"  
11    },  
12    ],  
13    "total": 7,  
14    "limit": 4,  
15    "offset": 6  
16  }  
17  
```

## 22. Get bookings only using from



GET http://127.0.0.1:3001/bookings?from=2025-12-23T12:30:00+05:30&limit=15&offset=10

Params (9)

Key	Value	Description
from	2025-12-23T12:30:00+05:30	
limit	15	
offset	10	

Body (JSON)

```
99  {  
100   "items": [  
101     {  
102       "endTime": "2025-12-23T19:50:00+05:30",  
103       "status": "confirmed"  
104     },  
105     {  
106       "_id": "69437aa98bac15fc525b605e",  
107       "roomId": "6943718d9f0d31f3bc8271fe",  
108       "title": "Meeting Room 5 - 1",  
109       "organizerEmail": "abc@gmail.com",  
110       "startTime": "2025-12-23T12:00:00+05:30",  
111       "endTime": "2025-12-23T14:30:00+05:30",  
112       "status": "confirmed"  
113     },  
114   ],  
115   "total": 22,  
116   "limit": 15,  
117   "offset": 10  
118 }  
119  
```

## 23. Get bookings only using to

GET http://127.0.0.1:3001/bookings?to=2025-12-23T16:30:00+05:30&limit=10&offset=5

Params

Key	Value	Description	Bulk Edit
to	2025-12-23T16:30:00+05:30		
limit	10		
offset	5		

Body

```
{ } JSON ▾ ▶ Preview □ Visualize ▾
```

```
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97 }
```

200 OK 237 ms 2.54 KB Save Response

## 24. Get bookings only using roomId

GET http://127.0.0.1:3001/bookings?roomId=6940f2a47e3c6b3893a220b3

Params

Key	Value	Description	Bulk Edit
roomId	6940f2a47e3c6b3893a220b3		

Query Params

Key	Value	Description

Body

```
{ } JSON ▾ ▶ Preview □ Visualize ▾
```

```
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97 }
```

200 OK 233 ms 2.55 KB Save Response