

FindAGig Final Project — Spring Boot

Final Project Overview:

My Final Project is a backend WebAPI that helps musicians connect with possible events and gigs & additionally have event or gig planners connect with available musicians. There are users (musicians & planners), aspect of location (address entity), instruments (instrument entity), and events (gig entity).

- A **musician**, once created (*FUTURE: registered and logged in*), would be able to search available events, request to play at a particular event or gig.
- An **event organizer**, once created (*FUTURE: registered and logged in*), would be able to create an event or gig, with a specific number of OPEN positions, each OPEN position will be tied to an instrument. They can look at their gigs, and if a gig has been REQUESTED by a musician, they can set that spot to CONFIRMED. They can also set a gig to CANCELLED (e.g., if a wedding has been called off).

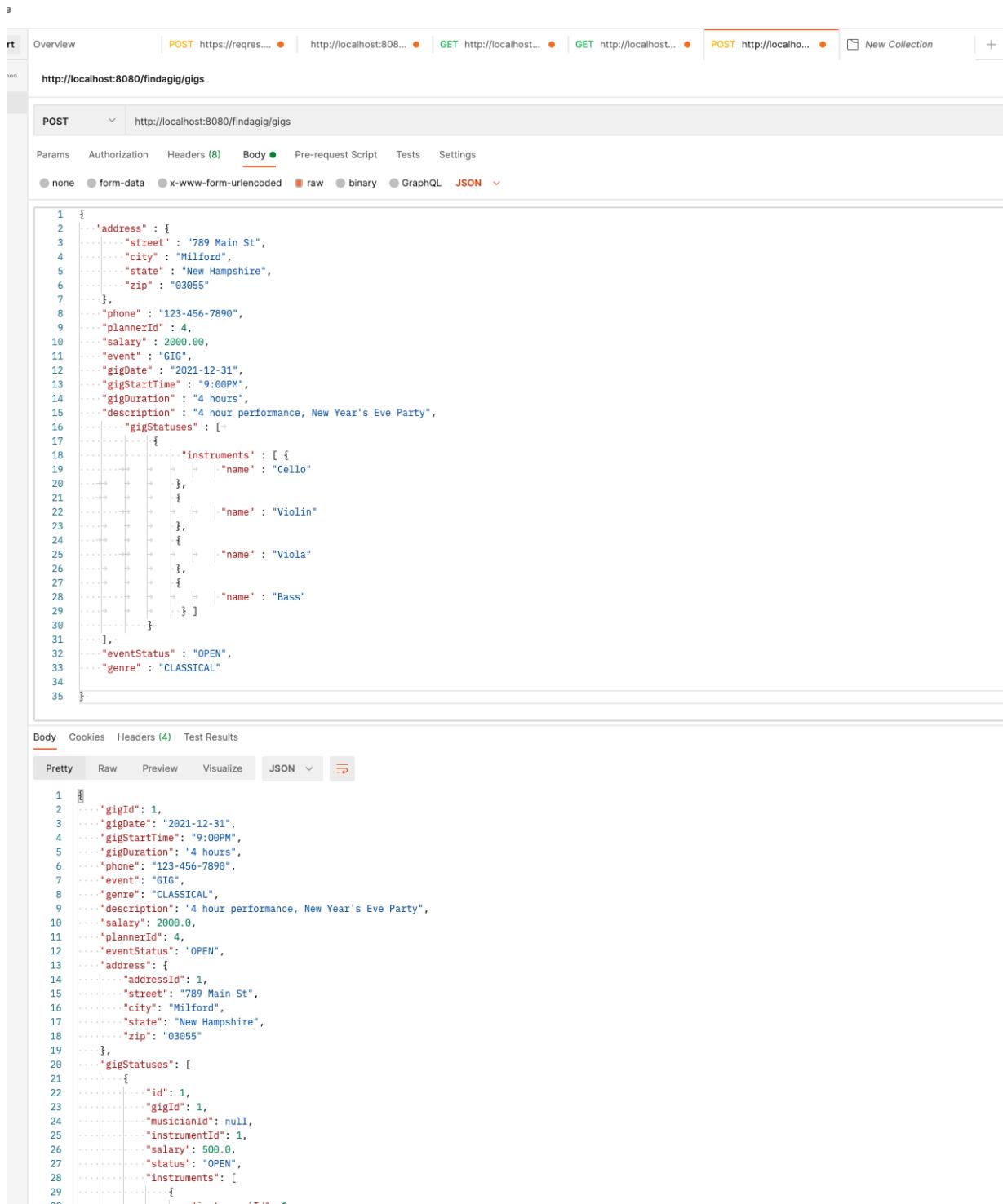
FindAGig Web API Functionality: (See *findAGigAPI Documentation* for more details!)

Two types of Users — Musicians & Planners:

- **Users** can be **CREATED** (POST), **UPDATED** (PUT), **READ** (GET), & **DELETED** (DELETE).
 - In **CREATE**: if the **instrument** doesn't exist, an **instrument** **will** be created.
 - In **DELETE**: the **instrument** record is not deleted, only the connection to the user.
- **Instruments** can be **CREATED** (POST), **UPDATED** (PUT), **READ** (GET), & **DELETED** (DELETE).
- **Gigs** can be **CREATED** (POST), **UPDATED** (PUT), or **READ** (GET),— **DELETE** is NOT ALLOWED
 - In **CREATE**: if the **instrument** doesn't exist, an **instrument** **will** be created.
- **Addresses** are **CREATED** within User or Gig creation — and never deleted!
 - In **USER** or **GIG CREATE** — if address doesn't exist, an **address** **will** be created.
 - In **DELETE**: the **address** record is **not** deleted, only the connection to the user.
 -
- **User(Musician)** Can **UPDATE** a Gig (must be OPEN and have matching instrument)
 - “/gigs/{gigId}/users/{userId}/request” — REQUEST gig
 - gig_instrument STATUS will be updated to **REQUESTED**
 - musician_id will be set to {userId}
- **User(Musicians & Planners)** can **READ** information for — GET
 - “/gigs” — All gigs
 - “/gigs/open” — All available gigs by OPEN status
 - “/gigs/state/{stateName}” — All gigs by state
 - “/gigs/open/state/{stateName}” — All OPEN gigs by state
 - “/gigs/instrument/{instrumentName}” — All gigs by instrument
 - “/gigs/open/instrument/{instrumentName}” — All OPEN gigs by instrument
 - “/gigs/genre/{genreName}” — All gigs by genre
 - “/gigs/open/genre/{genreName}” — All OPEN gigs by genre
 - “/gigs/{gigId}” — All details this gigId: list instruments required!
 - “/gigs/users/{userId}” — List all gigs assigned to this user!
 - “/gigs/{gigId}/users” — Lists all users assigned to this gigId!
- **User(Planner)** can do the following:
 - **CREATE** gigs & instrument requirements for a new gig — **POST** “/gigs”
 - Add (**CREATE**) instrument requirements to an existing gig — **POST** “/gigs/{id}”
 - **UPDATE** gigs: **PUT**
 - “/gigs/{id}/users/{musicianId}/confirm/{plannerId}” —
 - If a gig has gig_instruments that have a STATUS of **REQUESTED**, they can change status to: **CONFIRMED**
 - “/gigs/{gigId}/status/{statusType}” —
 - Can change the STATUS of their gig to **PLANNED**, **OPEN**, **CANCELLED**, or **CLOSED**

NOTE: This document contains Screenshots which demonstrates the above functionality of my FindAGig WebAPI: all tested through Postman!

Create a gig: (Nothing exists in the database yet... this stores address, instruments, gig_instruments and gigs)
(1) POST http://localhost:8080/findagig/gigs



The screenshot shows the Postman application interface. The top navigation bar includes 'Overview', 'POST https://reqres.in/api/users/2', 'http://localhost:8080/findagig/gigs' (selected), 'GET http://localhost:8080/findagig/gigs', 'GET http://localhost:8080/findagig/gigs', 'POST http://localhost:8080/findagig/gigs' (highlighted in orange), 'New Collection', and a '+' button.

The main workspace shows a 'POST' request to 'http://localhost:8080/findagig/gigs'. The 'Body' tab is selected, showing the following JSON payload:

```

1 {
2   "address": {
3     "street": "789 Main St",
4     "city": "Milford",
5     "state": "New Hampshire",
6     "zip": "03055"
7   },
8   "phone": "123-456-7890",
9   "plannerId": 4,
10  "salary": 2000.00,
11  "event": "GIG",
12  "gigDate": "2021-12-31",
13  "gigStartTime": "9:00PM",
14  "gigDuration": "4 hours",
15  "description": "4 hour performance, New Year's Eve Party",
16  "gigStatuses": [
17    {
18      "instruments": [
19        {"name": "Cello"},
20        {"name": "Violin"},
21        {"name": "Viola"},
22        {"name": "Bass"}
23      ]
24    }
25  ],
26  "eventStatus": "OPEN",
27  "genre": "CLASSICAL"
28}
29
30
31
32
33
34
35

```

Below the body, there are tabs for 'Body', 'Cookies', 'Headers (4)', and 'Test Results'. The 'Body' tab is selected, showing the raw JSON response:

```

1 {
2   "gigId": 1,
3   "gigDate": "2021-12-31",
4   "gigStartTime": "9:00PM",
5   "gigDuration": "4 hours",
6   "phone": "123-456-7890",
7   "event": "GIG",
8   "genre": "CLASSICAL",
9   "description": "4 hour performance, New Year's Eve Party",
10  "salary": 2000.0,
11  "plannerId": 4,
12  "eventStatus": "OPEN",
13  "address": {
14    "addressId": 1,
15    "street": "789 Main St",
16    "city": "Milford",
17    "state": "New Hampshire",
18    "zip": "03055"
19  },
20  "gigStatuses": [
21    {
22      "id": 1,
23      "gigId": 1,
24      "musicianId": null,
25      "instrumentId": 1,
26      "salary": 500.0,
27      "status": "OPEN",
28      "instruments": [
29        ...
30      ]
31    }
32  ]
33}
34
35

```

Retrieve all gigs: (only one stored)
(2) GET http://localhost:8080/findagig/gigs



```

1  {
2   ...
3   "gigId": 1,
4   "gigDate": "2021-12-31",
5   "gigStartTime": "9:00PM",
6   "gigDuration": "hours",
7   "phone": "123-456-7890",
8   "event": "GIG",
9   "genre": "CLASSICAL",
10  "description": "4 hour performance, New Year's Eve Party",
11  "salary": 2000.0,
12  "plannerId": 4,
13  "eventStatus": "OPEN",
14  "address": {
15    "addressId": 1,
16    "street": "789 Main St",
17    "city": "Milford",
18    "state": "New Hampshire",
19    "zip": "03055"
20  },
21  "gigStatuses": [
22    {
23      "id": 1,
24      "gigId": 1,
25      "musicianId": null,
26      "instrumentId": 1,
27      "salary": 500.0,
28      "status": "OPEN",
29      "instruments": [
30        {
31          "instrumentId": 1,
32          "name": "Cello"
33        }
34      ],
35    },
36    {
37      "id": 2,
38      "gigId": 1,
39      "musicianId": null,
40      "instrumentId": 2,
41      "salary": 500.0,
42      "status": "OPEN",
43      "instruments": [
44        {
45          "instrumentId": 2,
46          "name": "Violin"
47        }
48      ],
49    },
50    {
51      "id": 3,
52      "gigId": 1,
53      "musicianId": null,
54      "instrumentId": 3,
55      "salary": 500.0,
56      "status": "OPEN",
57      "instruments": [
58        {
59          "instrumentId": 3,
60          "name": "Viola"
61        }
62      ],
63    },
64    {
65      "id": 4,
66      "gigId": 1,
67      "musicianId": null,
68      "instrumentId": 4,
69      "salary": 500.0,
70      "status": "OPEN",
71      "instruments": [
72        {
73          "instrumentId": 4,
74          "name": "Bass"
75        }
76      ]
77    }
78  ]
79 }
80

```

Create more gigs:

(3) POST http://localhost:8080/findagig/gigs

The screenshot shows two Postman windows. The left window displays the raw JSON body of the POST request:

```

1 {
2     "address" : {
3         "street" : "6678 Downton St",
4         "city" : "Littleton",
5         "state" : "New Hampshire",
6         "zip" : "03561"
7     },
8     "phone" : "888-777-6665",
9     "plannerId" : 4,
10    "salary" : 1400.00,
11    "event" : "WEDDING",
12    "gigDate" : "2021-08-11",
13    "gigStartTime" : "8:00PM",
14    "gigDuration" : "4 hours",
15    "description" : "4 hour reception",
16    "gigStatuses" : [
17        {
18            "instruments" : [
19                {"name" : "Piano"}
20            ]
21        }
22    ],
23    "eventStatus" : "OPEN",
24    "genre" : "JAZZ"
25}
26

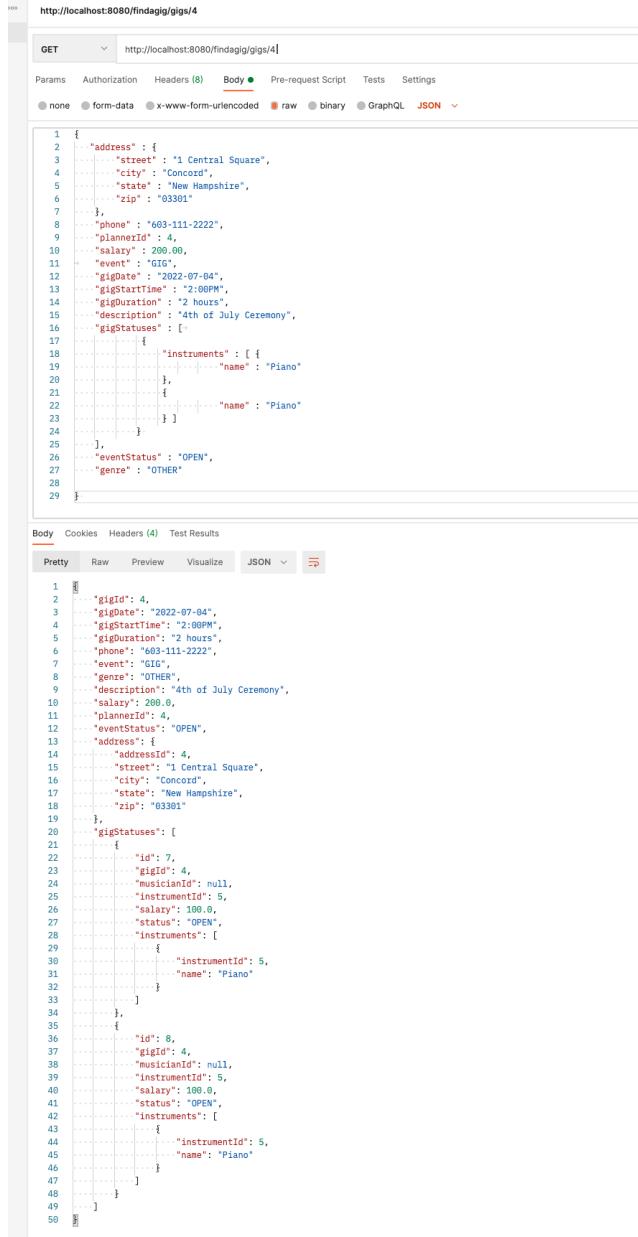
```

The right window shows the raw JSON response from the server:

```

1 {
2     "gigId": 4,
3     "gigDate": "2022-07-04",
4     "gigStartTime": "2:00PM",
5     "gigDuration": "2 hours",
6     "phone": "603-111-2222",
7     "event": "GIG",
8     "genre": "OTHER",
9     "description": "4th of July Ceremony",
10    "salary": 280.0,
11    "plannerId": 4,
12    "eventStatus": "OPEN",
13    "genre": "JAZZ",
14    "address": {
15        "addressId": 4,
16        "street": "1 Central Square",
17        "city": "Concord",
18        "state": "New Hampshire",
19        "zip": "03301"
20    },
21    "gigStatuses": [
22        {
23            "id": 7,
24            "gigId": 4,
25            "musicianId": null,
26            "instrumentId": 5,
27            "salary": 100.0,
28            "status": "OPEN",
29            "instruments": [
30                {
31                    "instrumentId": 5,
32                    "name": "Piano"
33                }
34            ]
35        }
36    ]
37
38
39
40
41
42
43
44
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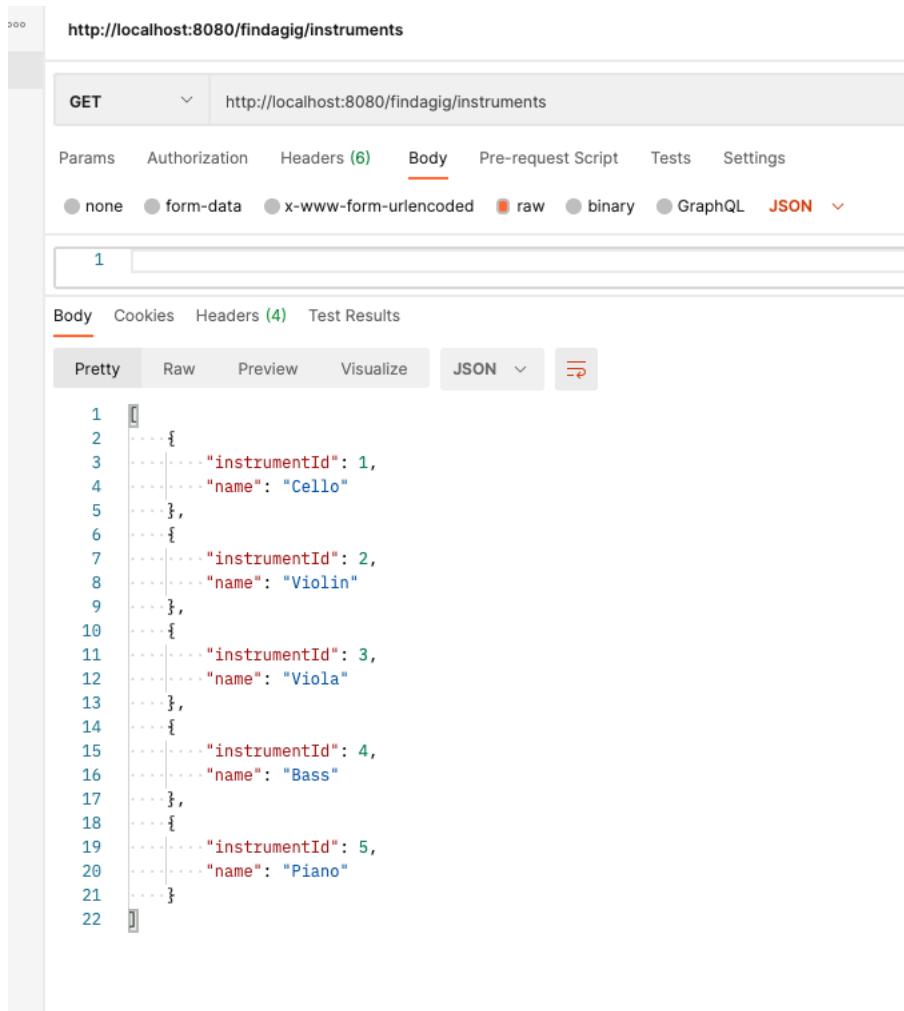
```

Read Gig #4 by id:(4) GET <http://localhost:8080/findagig/gigs/4>


```

1 {
2     "address" : {
3         "street" : "1 Central Square",
4         "city" : "Concord",
5         "state" : "New Hampshire",
6         "zip" : "03301"
7     },
8     "phone" : "(603) 411-2222",
9     "planeId" : 4,
10    "salary" : 200.0,
11    "event" : "GIG",
12    "gigDate" : "2022-07-04",
13    "gigStartTime" : "2:00PM",
14    "gigDuration" : "2 hours",
15    "description" : "4th of July Ceremony",
16    "gigStatuses" : [
17        {
18            "instruments" : [
19                {
20                    "name" : "Piano"
21                },
22                {
23                    "name" : "Piano"
24                }
25            ],
26            "eventStatus" : "OPEN",
27            "genze" : "OTHER"
28        }
29    ]
30}
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

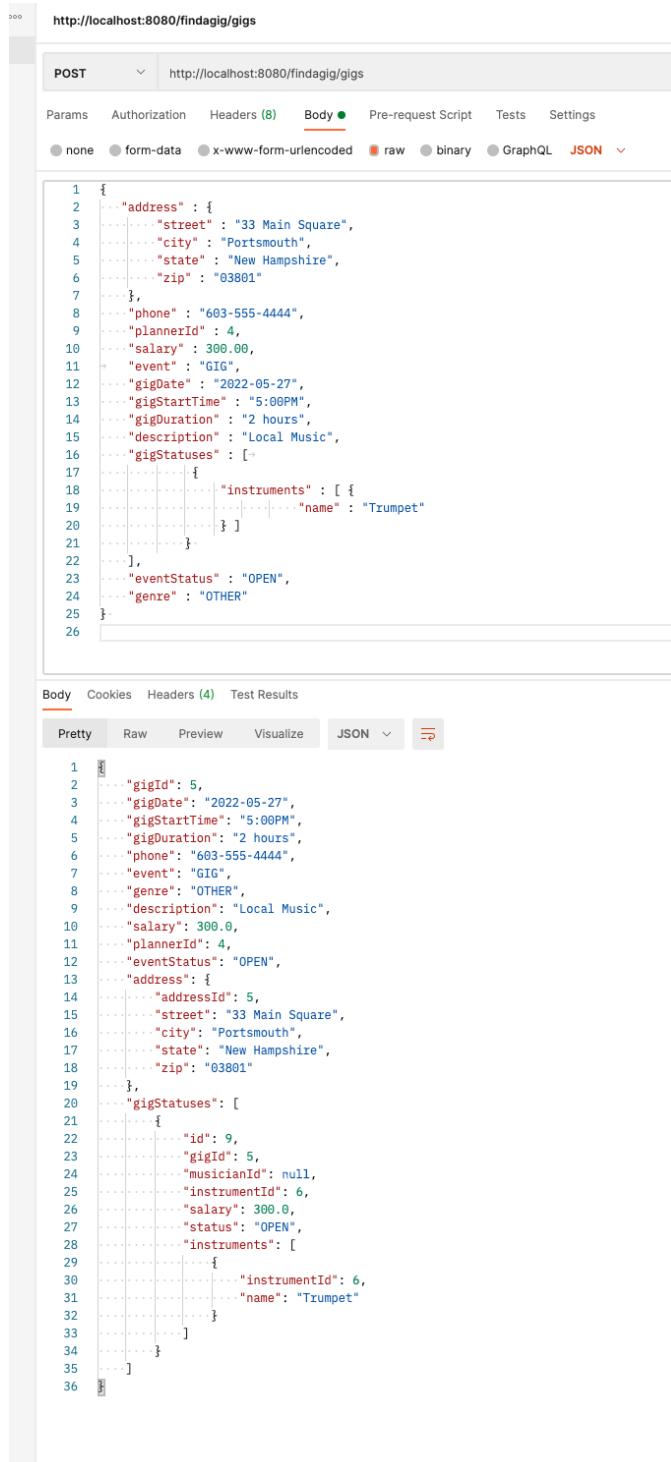
```

Read all instruments:**(5) GET <http://localhost:8080/findagig/instruments>**

The screenshot shows a Postman interface with a GET request to `http://localhost:8080/findagig/instruments`. The response body is a JSON array containing five instrument objects, each with an `instrumentId` and a `name`:

```
1 [  
2   {  
3     "instrumentId": 1,  
4     "name": "Cello"  
5   },  
6   {  
7     "instrumentId": 2,  
8     "name": "Violin"  
9   },  
10  {  
11    "instrumentId": 3,  
12    "name": "Viola"  
13  },  
14  {  
15    "instrumentId": 4,  
16    "name": "Bass"  
17  },  
18  {  
19    "instrumentId": 5,  
20    "name": "Piano"  
21  }  
22 ]
```

Create another gig:
(6) POST http://localhost:8080/findagig/gigs



The screenshot shows a Postman interface with the following details:

- Method:** POST
- URL:** http://localhost:8080/findagig/gigs
- Body (JSON):**

```

1  {
2   "address" : {
3     "street" : "33 Main Square",
4     "city" : "Portsmouth",
5     "state" : "New Hampshire",
6     "zip" : "03801"
7   },
8   "phone" : "603-555-4444",
9   "plannerId" : 4,
10  "salary" : 300.00,
11  "event" : "GIG",
12  "gigDate" : "2022-05-27",
13  "gigStartTime" : "5:00PM",
14  "gigDuration" : "2 hours",
15  "description" : "Local Music",
16  "gigStatuses" : [
17    {
18      "instruments" : [ {
19        "name" : "Trumpet"
20      } ]
21    ],
22  ],
23  "eventStatus" : "OPEN",
24  "genre" : "OTHER"
25 }
26

```

- Body (Pretty):**

```

1  {
2   "gigId": 5,
3   "gigDate": "2022-05-27",
4   "gigStartTime": "5:00PM",
5   "gigDuration": "2 hours",
6   "phone": "603-555-4444",
7   "event": "GIG",
8   "genre": "OTHER",
9   "description": "Local Music",
10  "salary": 300.0,
11  "plannerId": 4,
12  "eventStatus": "OPEN",
13  "address": {
14    "addressId": 5,
15    "street": "33 Main Square",
16    "city": "Portsmouth",
17    "state": "New Hampshire",
18    "zip": "03801"
19  },
20  "gigStatuses": [
21    {
22      "id": 9,
23      "gigId": 5,
24      "musicianId": null,
25      "instrumentId": 6,
26      "salary": 300.0,
27      "status": "OPEN",
28      "instruments": [
29        {
30          "instrumentId": 6,
31          "name": "Trumpet"
32        }
33      ]
34    }
35  ]
36

```

Read Gig #5:(7) GET <http://localhost:8080/findagig/gigs/5>

http://localhost:8080/findagig/gigs/5

GET http://localhost:8080/findagig/gigs/5

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

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

```

1  {
2   "address" : {
3     "street" : "33 Main Square",
4     "city" : "Portsmouth",
5     "state" : "New Hampshire",
6     "zip" : "03801"
7   },
8   "phone" : "603-555-4444",
9   "plannerId" : 4,
10  "salary" : 300.00,
11  "event" : "GIG",
12  "gigDate" : "2022-05-27",
13  "gigStartTime" : "5:00PM",
14  "gigDuration" : "2 hours",
15  "description" : "Local Music",
16  "gigStatuses" : [
17    {
18      "instruments" : [
19        {
20          "name" : "Trumpet"
21        }
22      ],
23      "eventStatus" : "OPEN",
24      "genre" : "OTHER"
25    }
26

```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```

1  {
2   "gigId": 5,
3   "gigDate": "2022-05-27",
4   "gigStartTime": "5:00PM",
5   "gigDuration": "2 hours",
6   "phone": "603-555-4444",
7   "event": "GIG",
8   "genre": "OTHER",
9   "description": "Local Music",
10  "salary": 300.0,
11  "plannerId": 4,
12  "eventStatus": "OPEN",
13  "address": {
14    "addressId": 5,
15    "street": "33 Main Square",
16    "city": "Portsmouth",
17    "state": "New Hampshire",
18    "zip": "03801"
19  },
20  "gigStatuses": [
21    {
22      "id": 9,
23      "gigId": 5,
24      "musicianId": null,
25      "instrumentId": 6,
26      "salary": 300.0,
27      "status": "OPEN",
28      "instruments": [
29        {
30          "instrumentId": 6,
31          "name": "Trumpet"
32        }
33      ]
34    }
35  ]
36

```

Read all instruments:**(8) GET http://localhost:8080/findagig/instruments**

http://localhost:8080/findagig/instruments

GET http://localhost:8080/findagig/instruments

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

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

```

1 {
2   "address" : {
3     "street" : "33 Main Square",
4     "city" : "Portsmouth",
5     "state" : "New Hampshire",
6     "zip" : "03801"
7   },
8   "phone" : "603-555-4444",
9   "plannerId" : 4,
10  "salary" : 300.00,
11  "event" : "GIG",
12  "gigDate" : "2022-05-27",
13  "gigStartTime" : "5:00PM",
14  "gigDuration" : "2 hours",
15  "description" : "Local Music",
16  "gigStatuses" : [
17    {
18      "instruments" : [ {
19        "name" : "Trumpet"
20      } ]
21    }
22  ],
23  "eventStatus" : "OPEN",
24  "genre" : "OTHER"
25 }
26

```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize **JSON**

```

1 []
2 [
3   {
4     "instrumentId": 1,
5     "name": "Cello"
6   },
7   {
8     "instrumentId": 2,
9     "name": "Violin"
10 },
11   {
12     "instrumentId": 3,
13     "name": "Viola"
14   },
15   {
16     "instrumentId": 4,
17     "name": "Bass"
18   },
19   {
20     "instrumentId": 5,
21     "name": "Piano"
22   },
23   {
24     "instrumentId": 6,
25     "name": "Trumpet"
26   }
]

```

Create users (type: MUSICIAN):

(9) POST http://localhost:8080/findagig/users

The screenshot shows two parallel Postman requests for creating user records.

Request 1 (Left):

- Method: POST
- URL: http://localhost:8080/findagig/users
- Body (JSON):


```

1 {
2   "firstName": "Meridith",
3   "lastName": "Maples",
4   "userType": "MUSICIAN",
5   "systemAdmin": false,
6   "instruments": [
7     {
8       "name": "Cello"
9     },
10    {
11      "name": "Bass"
12    }
13   ],
14   "address": {
15     "street": "865 Maple St",
16     "city": "Bethlehem",
17     "state": "New Hampshire",
18     "zip": "03574"
19   },
20   "username": "Musician1",
21   "password": "cb1"
22 }
```

Request 2 (Right):

- Method: POST
- URL: http://localhost:8080/findagig/users
- Body (JSON):


```

1 {
2   "firstName": "Johnny",
3   "lastName": "Johnson",
4   "userType": "MUSICIAN",
5   "systemAdmin": false,
6   "instruments": [
7     {
8       "name": "Violin"
9     }
10   ],
11   "address": {
12     "street": "923 Main St",
13     "city": "Bethlehem",
14     "state": "New Hampshire",
15     "zip": "03574"
16   },
17   "username": "JohnnyMusician",
18   "password": "jj1"
19 }
```

Responses:

Both requests return a status of 200 OK. The responses are displayed in JSON format.

Response 1 (Left):

```

1 {
2   "id": 3,
3   "username": "Musician1",
4   "firstName": "Meridith",
5   "lastName": "Maples",
6   "userType": "MUSICIAN",
7   "instruments": [
8     {
9       "instrumentId": 1,
10      "name": "Cello"
11    },
12    {
13      "instrumentId": 4,
14      "name": "Bass"
15    }
16  ],
17   "address": {
18     "addressId": 6,
19     "street": "865 Maple St",
20     "city": "Bethlehem",
21     "state": "New Hampshire",
22     "zip": "03574"
23 }
```

Response 2 (Right):

```

1 {
2   "id": 4,
3   "username": "JohnnyMusician",
4   "firstName": "Johnny",
5   "lastName": "Johnson",
6   "userType": "MUSICIAN",
7   "instruments": [
8     {
9       "instrumentId": 2,
10      "name": "Violin"
11    }
12  ],
13   "address": {
14     "addressId": 7,
15     "street": "923 Main St",
16     "city": "Bethlehem",
17     "state": "New Hampshire",
18     "zip": "03574"
19 }
```

CD Operations for Users:**Create a user (type: PLANNER):****(10) POST http://localhost:8080/findagig/users**

http://localhost:8080/findagig/users

POST http://localhost:8080/findagig/users

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

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

```

1 {
2   "firstName": "Victoria",
3   "lastName": "Valley",
4   "userType": "PLANNER",
5   "systemAdmin": false,
6   "instruments": [],
7   "address": {
8     "street": "789 Main St",
9     "city": "Milford",
10    "state": "New Hampshire",
11    "zip": "03055"
12  },
13  "username": "GigPlanner",
14  "password": "gigsRus"
15 }
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   "id": 6,
3   "username": "GigPlanner",
4   "firstName": "Victoria",
5   "lastName": "Valley",
6   "userType": "PLANNER",
7   "instruments": [],
8   "address": {
9     "addressId": 1,
10    "street": "789 Main St",
11    "city": "Milford",
12    "state": "New Hampshire",
13    "zip": "03055"
14  }
15 }
```

Delete a user:**(11) DELETE http://localhost:8080/findagig/users/1**

http://localhost:8080/findagig/users/1

DELETE http://localhost:8080/findagig/users/1

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

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

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize Text

1 Successfully deleted user with id: 1

Get all users: (Shows that user #1 has been deleted)
(12) GET <http://localhost:8080/findagig/users>



The screenshot shows a Postman interface with a GET request to <http://localhost:8080/findagig/users>. The response body is displayed in JSON format, showing a list of users. User #1 (Musician1) is present, while user #2 (JohnnyMusician) is missing, indicating it has been deleted.

```

[{"id": 3, "username": "Musician1", "firstName": "Meridith", "lastName": "Maples", "userType": "MUSICIAN", "instruments": [{"instrumentId": 1, "name": "Cello"}, {"instrumentId": 4, "name": "Bass"}], "address": {"addressId": 6, "street": "865 Maple St", "city": "Bethlehem", "state": "New Hampshire", "zip": "03574"}}, {"id": 4, "username": "JohnnyMusician", "firstName": "Johnny", "lastName": "Johnson", "userType": "MUSICIAN", "instruments": [{"instrumentId": 2, "name": "Violin"}], "address": {"addressId": 7, "street": "923 Main St", "city": "Bethlehem", "state": "New Hampshire", "zip": "03574"}}, {"id": 5, "username": "BassPlayer", "firstName": "Darryn", "lastName": "Douglas", "userType": "MUSICIAN", "instruments": [{"instrumentId": 4, "name": "Bass"}], "address": {"addressId": 8, "street": "123 Main St", "city": "Nashua", "state": "New Hampshire", "zip": "03060"}}, {"id": 6, "username": "GigPlanner", "firstName": "Victoria", "lastName": "Valley", "userType": "PLANNER", "instruments": [], "address": {"addressId": 1, "street": "789 Main St", "city": "Milford", "state": "New Hampshire", "zip": "03055"}}, {"id": 7, "username": "ViolaPlayer", "firstName": "Mary", "lastName": "Mason", "userType": "MUSICIAN", "instruments": [{"instrumentId": 3, "name": "Viola"}], "address": {"addressId": 9, "street": "456 Main St", "city": "Boston", "state": "Massachusetts", "zip": "02210"}}
]

```

Create more users: (Not all shown here)
(13) POST http://localhost:8080/findagig/users

The image displays four screenshots of the Postman application interface, each showing a POST request to the URL `http://localhost:8080/findagig/users`.

Screenshot 1 (Left): Shows the creation of a user named "Jerry". The JSON payload is:

```

1 {
2   ...
3   "firstName": "Jerry",
4   ...
5   "lastName": "Jumper",
6   ...
7   "userType": "MUSICIAN",
8   ...
9   "systemAdmin": false,
10  ...
11  "instruments": [
12    ...
13    {
14      ...
15      "name": "Didgeridoo"
16    }
17  ],
18  ...
19  "address": {
20    ...
21    "street": "295 Milk St",
22    ...
23    "city": "Lyndeborough",
24    ...
25    "state": "New Hampshire",
26    ...
27    "zip": "03082"
28  },
29  ...
30  "username": "DownUnderGuy",
31  ...
32  "password": "aussie1"
33}

```

Screenshot 2 (Top Right): Shows the creation of a user named "Phyllis". The JSON payload is:

```

1 {
2   ...
3   "firstName": "Phyllis",
4   ...
5   "lastName": "Paxton",
6   ...
7   "userType": "MUSICIAN",
8   ...
9   "systemAdmin": false,
10  ...
11  "instruments": [
12    ...
13    {
14      ...
15      "name": "Tympani"
16    }
17  ],
18  ...
19  "address": {
20    ...
21    "street": "85 Blue Island Blvd",
22    ...
23    "city": "Minocqua",
24    ...
25    "state": "Wisconsin",
26    ...
27    "zip": "54548"
28  },
29  ...
30  "username": "DrumRules",
31  ...
32  "password": "loveToDrum"
33}

```

Screenshot 3 (Bottom Left): Shows the response for the first user creation. The JSON response is:

```

1 {
2   ...
3   "id": 11,
4   ...
5   "username": "DownUnderGuy",
6   ...
7   "firstName": "Jerry",
8   ...
9   "lastName": "Jumper",
10  ...
11  "userType": "MUSICIAN",
12  ...
13  "instruments": [
14    ...
15    {
16      ...
17      "instrumentId": 7,
18      ...
19      "name": "Didgeridoo"
20    }
21  ],
22  ...
23  "address": {
24    ...
25    "addressId": 12,
26    ...
27    "street": "295 Milk St",
28    ...
29    "city": "Lyndeborough",
30    ...
31    "state": "New Hampshire",
32    ...
33    "zip": "03082"
34  }
35}

```

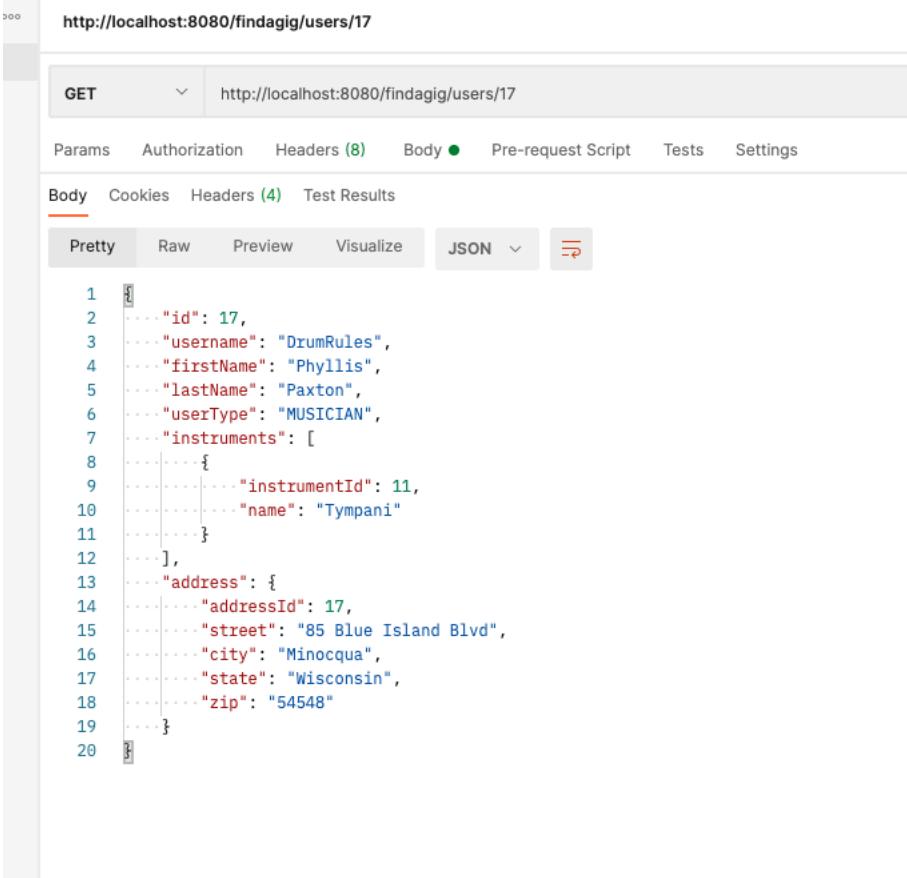
Screenshot 4 (Bottom Right): Shows the response for the second user creation. The JSON response is:

```

1 {
2   ...
3   "id": 17,
4   ...
5   "username": "DrumRules",
6   ...
7   "firstName": "Phyllis",
8   ...
9   "lastName": "Paxton",
10  ...
11  "userType": "MUSICIAN",
12  ...
13  "instruments": [
14    ...
15    {
16      ...
17      "instrumentId": 11,
18      ...
19      "name": "Tympani"
20    }
21  ],
22  ...
23  "address": {
24    ...
25    "addressId": 17,
26    ...
27    "street": "85 Blue Island Blvd",
28    ...
29    "city": "Minocqua",
30    ...
31    "state": "Wisconsin",
32    ...
33    "zip": "54548"
34  }
35}

```

Read user #17:
(14) GET <http://localhost:8080/findagig/users/17>



The screenshot shows the Postman application interface. A GET request is made to `http://localhost:8080/findagig/users/17`. The response body is displayed in JSON format, which is also copied to the clipboard. The JSON data represents a user object with various properties like id, username, first name, last name, user type, instruments, and address.

```
1 {  
2   "id": 17,  
3   "username": "DrumRules",  
4   "firstName": "Phyllis",  
5   "lastName": "Paxton",  
6   "userType": "MUSICIAN",  
7   "instruments": [  
8     {  
9       "instrumentId": 11,  
10      "name": "Tympani"  
11    }  
12  ],  
13  "address": {  
14    "addressId": 17,  
15    "street": "85 Blue Island Blvd",  
16    "city": "Minocqua",  
17    "state": "Wisconsin",  
18    "zip": "54548"  
19  }  
20}
```

Read all users:

(15) GET <http://localhost:8080/findagig/users>

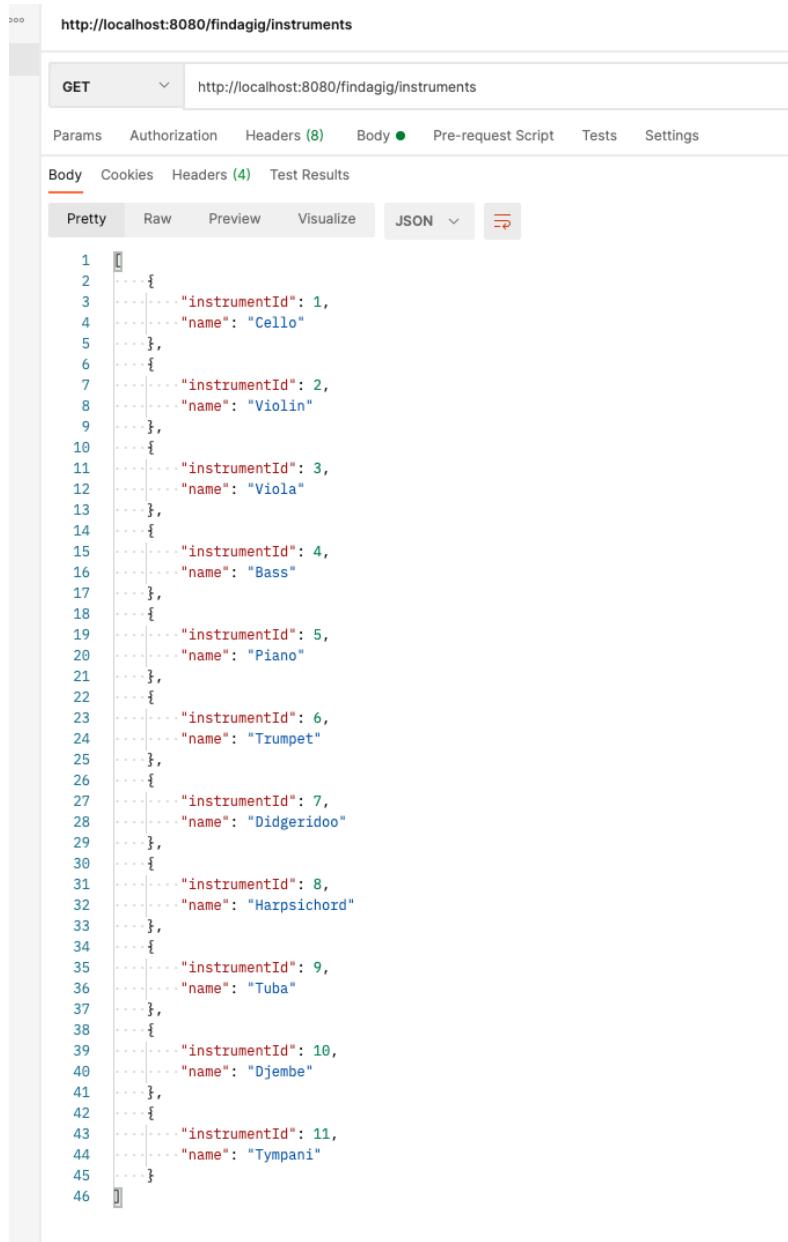
The image shows three separate Postman request windows, each displaying a JSON response for the GET /users endpoint. The responses are identical, showing a list of user objects. Each user object contains properties like id, username, firstName, lastName, userType, instruments, address, and phone. The instruments array lists specific instrument IDs and names. The address object includes addressID, street, city, state, and zip. The phone object includes number and carrier.

```

[{"id": 1, "username": "Musician1", "firstName": "Jesmy", "lastName": "Jefferson", "userType": "MUSICIAN", "instruments": [{"instrumentId": 1, "name": "Cello"}, {"instrumentId": 4, "name": "Bass"}], "address": {"addressId": 4, "street": "865 Maple St.", "city": "Bethlehem", "state": "New Hampshire", "zip": "03974"}, "phone": {"number": "555-1234", "carrier": "AT&T"}, {"id": 2, "username": "JohnnyMusician", "firstName": "Johnny", "lastName": "Johnson", "userType": "MUSICIAN", "instruments": [{"instrumentId": 2, "name": "Violin"}, {"instrumentId": 5, "name": "Bass"}], "address": {"addressId": 7, "street": "923 Main St.", "city": "Milford", "state": "New Hampshire", "zip": "03960"}, {"id": 3, "username": "Dany", "firstName": "Dany", "lastName": "Douglas", "userType": "MUSICIAN", "instruments": [{"instrumentId": 4, "name": "Bass"}, {"instrumentId": 3, "name": "Piano"}], "address": {"addressId": 8, "street": "123 Main St.", "city": "Milford", "state": "New Hampshire", "zip": "03960"}, {"id": 4, "username": "GigPlanner", "firstName": "Vitorina", "lastName": "Vitorino", "userType": "PLANNER", "instruments": [], "address": {"addressId": 1, "street": "789 Main St.", "city": "Milford", "state": "New Hampshire", "zip": "03965"}, {"id": 5, "username": "ViolaPlayer", "firstName": "Mazy", "lastName": "Mason", "userType": "MUSICIAN", "instruments": [{"instrumentId": 3, "name": "Viola"}], "address": {"addressId": 9, "street": "456 Main St.", "city": "Boston", "state": "Massachusetts", "zip": "02210"}, {"id": 6, "username": "KeyShred", "firstName": "Matthew", "lastName": "Matheson", "userType": "MUSICIAN", "instruments": [{"instrumentId": 8, "name": "Piano"}, {"instrumentId": 5, "name": "Trumpet"}], "address": {"addressId": 10, "street": "345 Milk St.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 7, "username": "TickleTheIvories", "firstName": "Jesmy", "lastName": "Jefferson", "userType": "MUSICIAN", "instruments": [{"instrumentId": 5, "name": "Piano"}, {"instrumentId": 6, "name": "Trumpet"}], "address": {"addressId": 11, "street": "456 Main St.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 8, "username": "KeysAndBells", "firstName": "Abigail", "lastName": "Ades", "userType": "MUSICIAN", "instruments": [{"instrumentId": 6, "name": "Trumpet"}, {"instrumentId": 7, "name": "Drums"}], "address": {"addressId": 12, "street": "475 Main St.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 9, "username": "BassShakes", "firstName": "Abigail", "lastName": "Ades", "userType": "MUSICIAN", "instruments": [{"instrumentId": 6, "name": "Trumpet"}, {"instrumentId": 9, "name": "Drums"}], "address": {"addressId": 11, "street": "475 Main St.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 10, "username": "StringRUs", "firstName": "Mandy", "lastName": "Mapes", "userType": "MUSICIAN", "instruments": [{"instrumentId": 3, "name": "Piano"}, {"instrumentId": 5, "name": "Piano"}], "address": {"addressId": 13, "street": "865 Blue Island Blvd.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 11, "username": "DownUnderGuy", "firstName": "Jerry", "lastName": "Jumper", "userType": "MUSICIAN", "instruments": [{"instrumentId": 7, "name": "Didgeridoo"}], "address": {"addressId": 14, "street": "865 Milk St.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 12, "username": "DownUnderGuy2", "firstName": "Bruce", "lastName": "Aussie", "userType": "MUSICIAN", "instruments": [{"instrumentId": 7, "name": "Didgeridoo"}], "address": {"addressId": 15, "street": "100 Wattle Way", "city": "Sydney", "state": "New South Wales", "zip": "2000"}, {"id": 13, "username": "Phyllis", "firstName": "Paxton", "lastName": "Newton", "userType": "MUSICIAN", "instruments": [{"instrumentId": 11, "name": "Tympani"}], "address": {"addressId": 17, "street": "456 Blue Island Blvd.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 14, "username": "TubaGuy", "firstName": "Barry", "lastName": "Blank", "userType": "MUSICIAN", "instruments": [{"instrumentId": 9, "name": "Tuba"}], "address": {"addressId": 18, "street": "2 Blueberry Way", "city": "Saratoga Springs", "state": "New York", "zip": "12866"}, {"id": 15, "username": "Anna", "firstName": "Nancy", "lastName": "Newton", "userType": "MUSICIAN", "instruments": [{"instrumentId": 10, "name": "Drums"}], "address": {"addressId": 19, "street": "475 Main St.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 16, "username": "DinstPlayer", "firstName": "Anna", "lastName": "Newton", "userType": "MUSICIAN", "instruments": [{"instrumentId": 10, "name": "Drums"}], "address": {"addressId": 20, "street": "865 Main St.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 17, "username": "PianoRules", "firstName": "Nancy", "lastName": "Newton", "userType": "MUSICIAN", "instruments": [{"instrumentId": 5, "name": "Piano"}], "address": {"addressId": 21, "street": "865 Blue Island Blvd.", "city": "Milwaukee", "state": "Wisconsin", "zip": "54548"}, {"id": 18, "username": "DrumRules", "firstName": "Phyllis", "lastName": "Paxton", "userType": "MUSICIAN", "instruments": [{"instrumentId": 11, "name": "Tympani"}], "address": {"addressId": 22, "street": "100 Wattle Way", "city": "Sydney", "state": "New South Wales", "zip": "2000"}]

```

Read all instruments:
(16) GET <http://localhost:8080/instruments>



200 http://localhost:8080/findagig/instruments

GET http://localhost:8080/findagig/instruments

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

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "instrumentId": 1,
4     "name": "Cello"
5   },
6   {
7     "instrumentId": 2,
8     "name": "Violin"
9   },
10  {
11    "instrumentId": 3,
12    "name": "Viola"
13  },
14  {
15    "instrumentId": 4,
16    "name": "Bass"
17  },
18  {
19    "instrumentId": 5,
20    "name": "Piano"
21  },
22  {
23    "instrumentId": 6,
24    "name": "Trumpet"
25  },
26  {
27    "instrumentId": 7,
28    "name": "Didgeridoo"
29  },
30  {
31    "instrumentId": 8,
32    "name": "Harpsichord"
33  },
34  {
35    "instrumentId": 9,
36    "name": "Tuba"
37  },
38  {
39    "instrumentId": 10,
40    "name": "Djembe"
41  },
42  {
43    "instrumentId": 11,
44    "name": "Tympani"
45  }
]
```

Try to create an existing instrument:**(17) POST <http://localhost:8080/instruments>***(This is an existing instrument — returns the record that exists).*

http://localhost:8080/findagig/instruments

POST http://localhost:8080/findagig/instruments

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

Body (8) none form-data x-www-form-urlencoded raw binary GraphQL JSON

```

1 {
2   ...
3     "name" : "Harpsichord"
4 }

```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   ...
3     "instrumentId": 8,
4     ...
5       "name": "Harpsichord"
6 }

```

http://localhost:8080/findagig/instruments

GET http://localhost:8080/findagig/instruments

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

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```

1 [
2   ...
3     {
4       ...
5         "instrumentId": 1,
6         ...
7           "name": "Cello"
8         ...
9     },
10    ...
11    {
12      ...
13        "instrumentId": 2,
14        ...
15          "name": "Violin"
16        ...
17    },
18    ...
19    {
20      ...
21        "instrumentId": 3,
22        ...
23          "name": "Viola"
24        ...
25    },
26    ...
27    {
28      ...
29        "instrumentId": 4,
30        ...
31          "name": "Bass"
32        ...
33    },
34    ...
35    {
36      ...
37        "instrumentId": 5,
38        ...
39          "name": "Piano"
40        ...
41    },
42    ...
43    {
44      ...
45        "instrumentId": 6,
46        ...
47          "name": "Trumpet"
48        ...
49    },
50    ...
51    {
52      ...
53        "instrumentId": 7,
54        ...
55          "name": "Didgeridoo"
56        ...
57    },
58    ...
59    {
60      ...
61        "instrumentId": 8,
62        ...
63          "name": "Harpsichord"
64        ...
65    },
66    ...
67    {
68      ...
69        "instrumentId": 9,
70        ...
71          "name": "Tuba"
72        ...
73    },
74    ...
75    {
76      ...
77        "instrumentId": 10,
78        ...
79          "name": "Djembe"
80        ...
81    },
82    ...
83    {
84      ...
85        "instrumentId": 11,
86        ...
87          "name": "Timpani"
88        ...
89    }
90 ]

```

Get all instruments:**(18) GET <http://localhost:8080/instruments>***(Shows that InstrumentId: 8 was returned above because it exists here, it was not added a second time!)*

CRUD for instruments:**Create instrument:****(19) POST <http://localhost:8080/instruments>**

```
POST http://localhost:8080/findagig/instruments
Body
1
2   "name" : "Triangle"
3
4
```

```
1
2   ...
3   "instrumentId": 12,
4   ...
5
6
```

Read instrument #12:**(20) GET <http://localhost:8080/instruments/12>**

```
GET http://localhost:8080/findagig/instruments/12
Body
1
2   "name" : "Triangle"
3
4
```

```
1
2   ...
3   "instrumentId": 12,
4   ...
5
6
```

Update instrument #12:**(21) PUT <http://localhost:8080/instruments/12>**

```
PUT http://localhost:8080/findagig/instruments/12
Body
1
2   "name" : "Silver Triangle"
3
4
```

→

```
GET http://localhost:8080/findagig/instruments/12
Body
1
2   "name" : "Silver Triangle"
3
4
```

```
1
2   ...
3   "instrumentId": 12,
4   ...
5
6
```

Delete instrument #12:**(22) DELETE <http://localhost:8080/instruments/12>**

```
DELETE http://localhost:8080/findagig/instruments/12
Body
1
2   "name" : "Silver Triangle"
3
4
```

```
1
2   ...
3   "instrumentId": 12,
4   ...
5
6
```

```
1
2
3
4
```

Successfully deleted instrument with id: 12

Create a gig:

(23) POST http://localhost:8080/findagig/gigs

The screenshot shows a Postman interface with the following details:

- Request URL:** http://localhost:8080/findagig/gigs
- Method:** POST
- Body (JSON):**

```

1  {
2   ... "address" : {
3     ... "street" : "Union Square",
4     ... "city" : "Milford",
5     ... "state" : "New Hampshire",
6     ... "zip" : "03055"
7   },
8   ... "phone" : "603-672-3333",
9   ... "plannerId" : 4,
10  ... "salary" : 200.00,
11  ... "event" : "OTHER",
12  ... "gigDate" : "2021-05-31",
13  ... "gigStartTime" : "10:00AM",
14  ... "gigDuration" : "1 hour",
15  ... "description" : "TAPS during Memorial Day Parade",
16  ... "gigStatuses" : [
17    ...
18    ... "instruments" : [ {
19      ...
20      ... "name" : "Flugelhorn"
21    ...
22  ],
23  ... "eventStatus" : "PLANNED",
24  ... "genre" : "OTHER"
25 ]

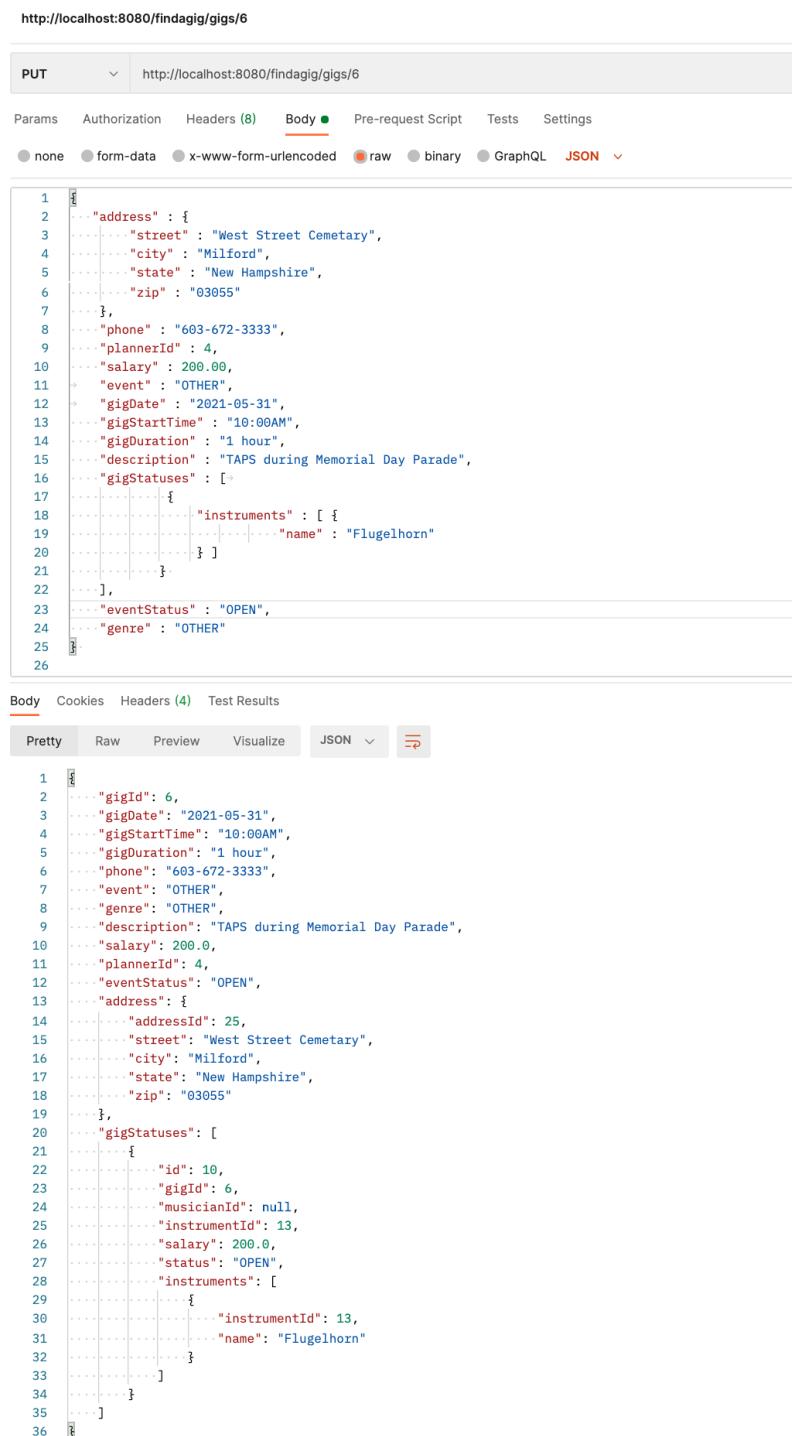
```
- Response Body (Pretty JSON):**

```

1   ...
2   ... "gigId": 6,
3   ... "gigDate": "2021-05-31",
4   ... "gigStartTime": "10:00AM",
5   ... "gigDuration": "1 hour",
6   ... "phone": "603-672-3333",
7   ... "event": "OTHER",
8   ... "genre": "OTHER",
9   ... "description": "TAPS during Memorial Day Parade",
10  ... "salary": 200.0,
11  ... "plannerId": 4,
12  ... "eventStatus": "PLANNED",
13  ... "address": {
14    ...
15    ... "addressId": 18,
16    ... "street": "Union Square",
17    ... "city": "Milford",
18    ... "state": "New Hampshire",
19    ... "zip": "03055"
20  },
21  ... "gigStatuses": [
22    ...
23    ... {
24      ...
25      ... "id": 10,
26      ... "gigId": 6,
27      ... "musicianId": null,
28      ...
29      ... "instrumentId": 13,
30      ...
31      ... "status": "OPEN",
32      ...
33      ... "instruments": [
34        ...
35        ...
36      ]

```

Update a gig: *(Change to status: OPEN and Change address)*
(24) PUT <http://localhost:8080/findagig/gigs>.



```

1
2   "address" : {
3     "street" : "West Street Cemetery",
4     "city" : "Milford",
5     "state" : "New Hampshire",
6     "zip" : "03055"
7   },
8   "phone" : "603-672-3333",
9   "plannerId" : 4,
10  "salary" : 200.00,
11  "event" : "OTHER",
12  "gigDate" : "2021-05-31",
13  "gigStartTime" : "10:00AM",
14  "gigDuration" : "1 hour",
15  "description" : "TAPS during Memorial Day Parade",
16  "gigStatuses" : [
17    {
18      "instruments" : [ {
19        "name" : "Flugelhorn"
20      } ]
21    },
22  ],
23  "eventStatus" : "OPEN",
24  "genre" : "OTHER"
25
26

```

Body Cookies Headers (4) Test Results

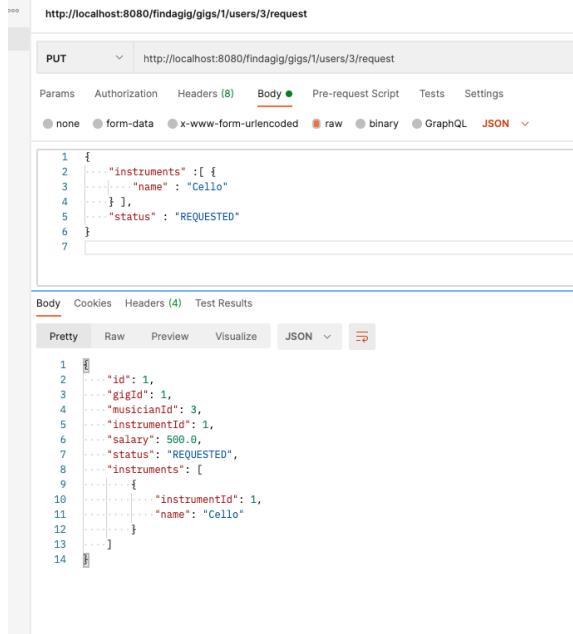
Pretty Raw Preview Visualize JSON

```

1
2   "gigId": 6,
3   "gigDate": "2021-05-31",
4   "gigStartTime": "10:00AM",
5   "gigDuration": "1 hour",
6   "phone": "603-672-3333",
7   "event": "OTHER",
8   "genre": "OTHER",
9   "description": "TAPS during Memorial Day Parade",
10  "salary": 200.0,
11  "plannerId": 4,
12  "eventStatus": "OPEN",
13  "address": {
14    "addressId": 25,
15    "street": "West Street Cemetery",
16    "city": "Milford",
17    "state": "New Hampshire",
18    "zip": "03055"
19  },
20  "gigStatuses": [
21    {
22      "id": 10,
23      "gigId": 6,
24      "musicianId": null,
25      "instrumentId": 13,
26      "salary": 200.0,
27      "status": "OPEN",
28      "instruments": [
29        {
30          "instrumentId": 13,
31          "name": "Flugelhorn"
32        }
33      ]
34    }
35  ]
36

```

User #3 is requesting to play Cello in Gig #1:
(25) PUT http://localhost:8080/findagig/gigs/1/users/3/request

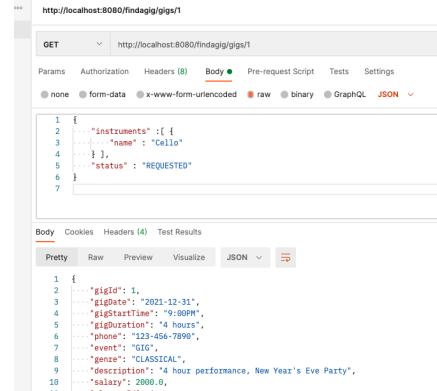


```
PUT http://localhost:8080/findagig/gigs/1/users/3/request
{
  "instruments": [
    {
      "name": "Cello",
      "status": "REQUESTED"
    }
  ]
}
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   ...
3   "id": 1,
4   ...
5   "gigId": 1,
6   ...
7   "musicianId": 3,
8   "instrumentId": 1,
9   "salary": 500.0,
10  "status": "REQUESTED",
11  "instruments": [
12    ...
13    {
14      ...
15      "instrumentId": 1,
16      "name": "Cello"
17    }
18  ]
19 }
```



```
GET http://localhost:8080/findagig/gigs/1
{
  "instruments": [
    {
      "name": "Cello"
    }
  ],
  "status": "REQUESTED"
}
```

Body Cookies Headers (4) Test Results

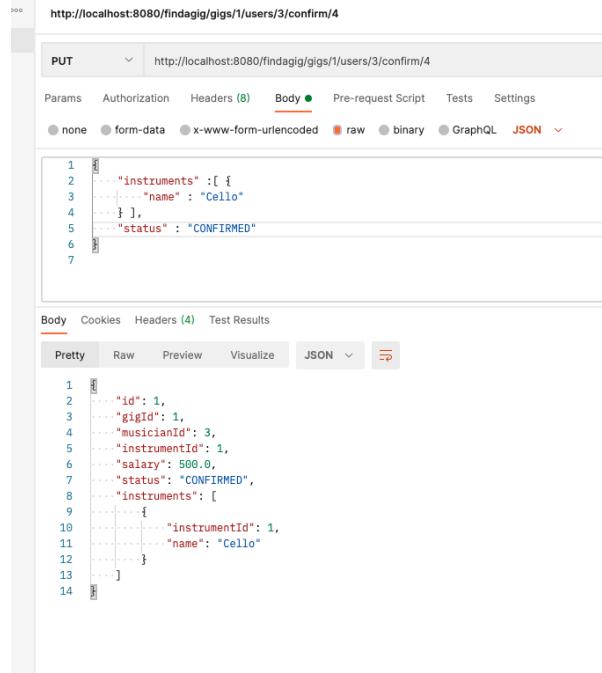
Pretty Raw Preview Visualize JSON

```
1 {
2   ...
3   "id": 1,
4   ...
5   "gigId": 1,
6   ...
7   "gigDate": "2021-12-31",
8   "gigStartTime": "9:00PM",
9   "gigDuration": "4 hours",
10  "phone": "123-456-7890",
11  "event": "GIG",
12  "genre": "CLASSICAL",
13  "description": "A hour performance, New Year's Eve Party",
14  "salary": 2000.0,
15  "plannerId": 4,
16  "eventStatus": "OPEN",
17  "addressId": 1,
18  ...
19  "street": "789 Main St",
20  "city": "Milford",
21  "state": "New Hampshire",
22  "zip": "03055"
23 },
24 "gigStatusUser": [
25   {
26     ...
27     "id": 1,
28     "gigId": 1,
29     "musicianId": 3,
30     "instrumentId": 1,
31     "salary": 500.0,
32     "status": "REQUESTED",
33     "instruments": [
34       ...
35       {
36         ...
37         "instrumentId": 1,
38         "name": "Cello"
39       }
40     ]
41   },
42   {
43     ...
44     "id": 2,
45     "gigId": 1,
46     "musicianId": null,
47     "instrumentId": 2,
48     "salary": 500.0,
49     "status": "OPEN",
50     "instruments": [
51       ...
52       {
53         ...
54         "instrumentId": 2,
55         "name": "Violin"
56       }
57     ],
58   },
59   {
60     ...
61     "id": 3,
62     "gigId": 1,
63     "musicianId": null,
64     "instrumentId": 3,
65     "salary": 500.0,
66     "status": "OPEN",
67     "instruments": [
68       ...
69       {
70         ...
71         "instrumentId": 3,
72         "name": "Viola"
73       }
74     ],
75   },
76   {
77     ...
78     "id": 4,
79     "gigId": 1,
80     "musicianId": null,
81     "instrumentId": 4,
82     "salary": 500.0,
83     "status": "OPEN",
84     "instruments": [
85       ...
86       {
87         ...
88         "instrumentId": 4,
89         "name": "Bass"
90       }
91     ],
92   }
93 ]
```

Notice: User #3 REQUESTED to play Cello in Gig #1:
(26) GET http://localhost:8080/findagig/gigs/1

→

Planner #4 is confirming User #3 to play Cello in Gig #1:
(27) GET http://localhost:8080/findagig/gigs/1/users/3/confirm/4



The screenshot shows a POST request to `http://localhost:8080/findagig/gigs/1/users/3/confirm/4`. The Body tab contains the following JSON payload:

```

1
2   "instruments": [
3     {
4       "name": "Cello"
5     }
6   ],
7   "status": "CONFIRMED"
8
9
10
11
12
13
14

```

On the right side of the interface, there is another window showing a GET request to `http://localhost:8080/findagig/gigs/1`. The Body tab displays the response JSON, which includes the updated gig information with the confirmed user.

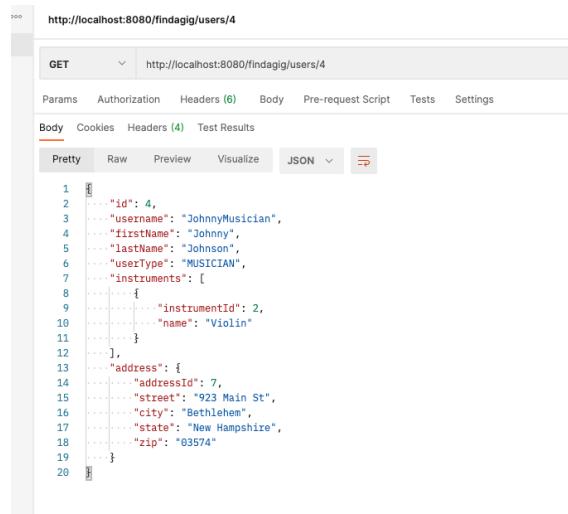
NOTE: User #3 (CONFIRMED) to play Cello in Gig #1:
(28) GET http://localhost:8080/findagig/gigs/1

→

```

1 {
2   "id": 1,
3   "gigId": 1,
4   "musicianId": 3,
5   "instrumentId": 1,
6   "salary": 500.0,
7   "status": "CONFIRMED",
8   "instruments": [
9     {
10       "instrumentId": 1,
11       "name": "Cello"
12     }
13   ]
14
15
16
17
18
19
20
21
22
23
24
25
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27
28
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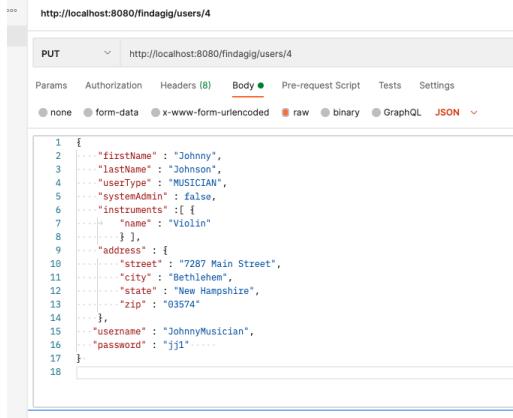
```

RU Operations for Users:**Read User #4:****(29) GET <http://localhost:8080/instruments/users/4>**


```

1 {
2   "id": 4,
3   "username": "JohnnyMusician",
4   "firstName": "Johnny",
5   "lastName": "Johnson",
6   "userType": "MUSICIAN",
7   "instruments": [
8     {
9       "instrumentId": 2,
10      "name": "Violin"
11    }
12  ],
13  "address": {
14    "addressId": 7,
15    "street": "923 Main St",
16    "city": "Bethlehem",
17    "state": "New Hampshire",
18    "zip": "03574"
19  }
20 }

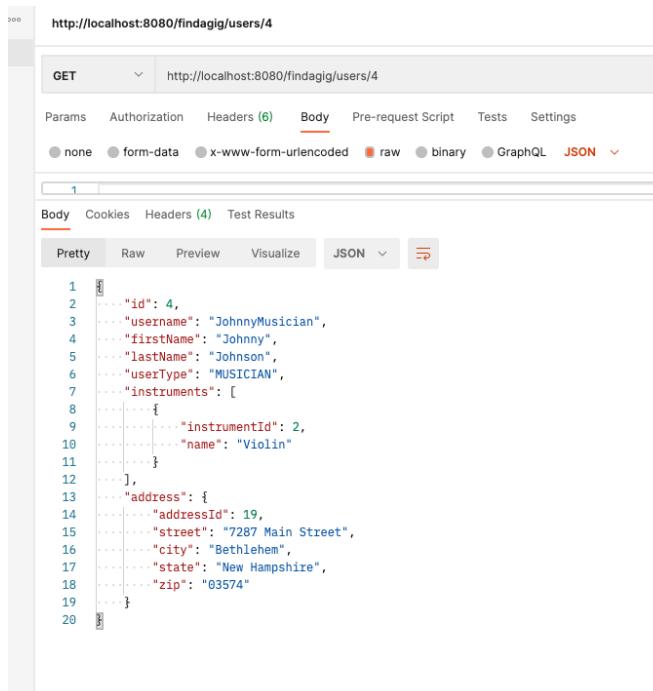
```

Update User #4**(30) PUT <http://localhost:8080/users/4>**


```

1 {
2   "firstName": "Johnny",
3   "lastName": "Johnson",
4   "userType": "MUSICIAN",
5   "systemAdmin": false,
6   "instruments": [
7     {
8       "name": "Violin"
9     }
10  ],
11  "address": {
12    "street": "7287 Main Street",
13    "city": "Bethlehem",
14    "state": "New Hampshire",
15    "zip": "03574"
16  },
17  "username": "JohnnyMusician",
18  "password": "jj1"
19
20 }

```

Read User #4: (see address has changed!)**(31) GET <http://localhost:8080/users/4>**


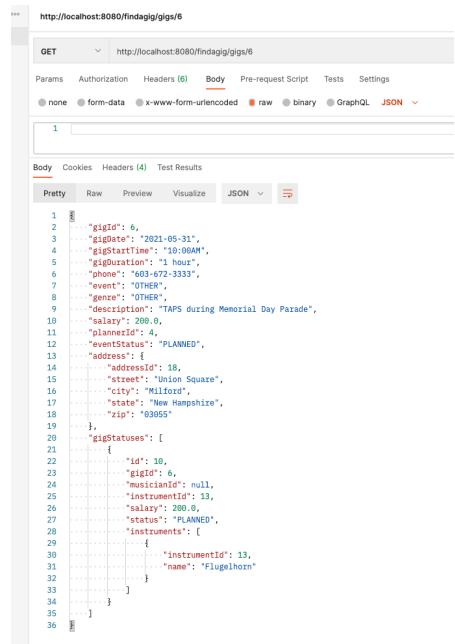
```

1 {
2   "id": 4,
3   "username": "JohnnyMusician",
4   "firstName": "Johnny",
5   "lastName": "Johnson",
6   "userType": "MUSICIAN",
7   "instruments": [
8     {
9       "instrumentId": 2,
10      "name": "Violin"
11    }
12  ],
13  "address": {
14    "addressId": 19,
15    "street": "7287 Main Street",
16    "city": "Bethlehem",
17    "state": "New Hampshire",
18    "zip": "03574"
19  }
20 }

```

Read Gig #6:

(32) GET http://localhost:8080/findagig/gigs/6



```

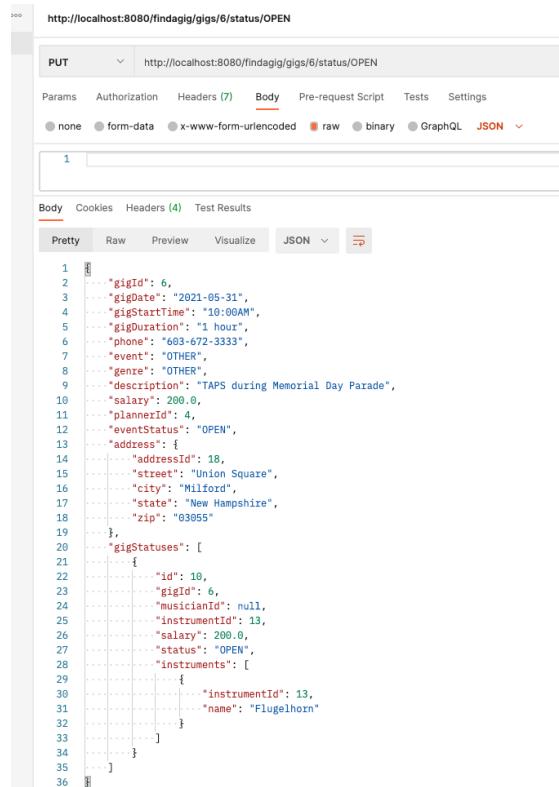
http://localhost:8080/findagig/gigs/6

GET http://localhost:8080/findagig/gigs/6
Params Authorization Headers (6) Body Pre-request Script Tests Settings
none form-data x-www-form-urlencoded raw binary GraphQL JSON
1
Body Cookies Headers (4) Test Results
Pretty Raw Preview Visualize JSON
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```

Set status of Gig #6 to OPEN:

(33) PUT http://localhost:8080/findagig/gigs/6/status/OPEN



```

http://localhost:8080/findagig/gigs/6/status/OPEN

PUT http://localhost:8080/findagig/gigs/6/status/OPEN
Params Authorization Headers (7) Body Pre-request Script Tests Settings
none form-data x-www-form-urlencoded raw binary GraphQL JSON
1
Body Cookies Headers (4) Test Results
Pretty Raw Preview Visualize JSON
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```

Create a gig with no instruments:(34) POST <http://localhost:8080/findagig/gigs>

```

200
http://localhost:8080/findagig/gigs

POST http://localhost:8080/findagig/gigs
Body (JSON)

1 {
2   "address" : {
3     "street" : "3 Lund Road",
4     "city" : "Nashua",
5     "state" : "New Hampshire",
6     "zip" : "03060"
7   },
8   "phone" : "603-882-5678",
9   "plannerId" : 4,
10  "salary" : 400.00,
11  "event" : "WEDDING",
12  "gigDate" : "2021-04-03",
13  "gigStartTime" : "2:00PM",
14  "gigDuration" : "1 hour",
15  "description" : "Ceremony",
16  "eventStatus" : "OPEN",
17  "genre" : "CHRISTIAN"
18
19 }
20

```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   "gigId": 12,
3   "gigDate": "2021-04-03",
4   "gigStartTime": "2:00PM",
5   "gigDuration": "1 hour",
6   "phone": "603-882-5678",
7   "event": "WEDDING",
8   "genre": "CHRISTIAN",
9   "description": "Ceremony",
10  "salary": 400.0,
11  "plannerId": 4,
12  "eventStatus": "OPEN",
13  "address": {
14    "addressId": 23,
15    "street": "3 Lund Road",
16    "city": "Nashua",
17    "state": "New Hampshire",
18    "zip": "03060"
19  },
20  "gigStatuses": []
21

```

NOTICE gigId —>**Add instruments to an existing gig (#1):**(35) POST <http://localhost:8080/findagig/gigs/12>

```

200
http://localhost:8080/findagig/gigs/12

POST http://localhost:8080/findagig/gigs/12
Body (JSON)

1 {
2   "instruments" : [
3     {
4       "name" : "Violin"
5     },
6     {
7       "name" : "Piano"
8     }
9   ]
10

```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   "id": 25,
3   "gigId": 12,
4   "musicianId": null,
5   "instrumentId": 2,
6   "salary": 200.0,
7   "status": "OPEN",
8   "instruments": [
9     {
10       "instrumentId": 2,
11       "name": "Violin"
12     },
13     {
14       "instrumentId": 5,
15       "name": "Piano"
16     }
17   ],
18   "gigStatuses": [
19     {
20       "id": 26,
21       "gigId": 12,
22       "musicianId": null,
23       "instrumentId": 5,
24       "salary": 200.0,
25       "status": "OPEN",
26       "instruments": [
27         {
28           "instrumentId": 2,
29           "name": "Violin"
30         },
31         {
32           "instrumentId": 5,
33           "name": "Piano"
34         }
35       ],
36     }
37   ]
38

```

**Shows that the two-step process above worked(34 & 35):
(36) GET http://localhost:8080/findagig/gigs/1**

The screenshot shows a Postman request for `http://localhost:8080/findagig/gigs/12`. The response status is 200 OK. The Body tab displays the JSON response:

```
1
2   ...
3     "gigId": 12,
4     "gigDate": "2021-04-03",
5     "gigStartTime": "2:00PM",
6     "gigDuration": "1 hour",
7     "phone": "603-882-5678",
8     "event": "WEDDING",
9     "genre": "CHRISTIAN",
10    "description": "Ceremony",
11    "salary": 400.0,
12    "plannerId": 4,
13    "eventStatus": "OPEN",
14    "address": {
15      ...
16      "addressId": 23,
17      "street": "3 Lund Road",
18      "city": "Nashua",
19      "state": "New Hampshire",
20      "zip": "03060"
21    },
22    "gigStatuses": [
23      ...
24      {
25        "id": 25,
26        "gigId": 12,
27        "musicianId": null,
28        "instrumentId": 2,
29        "salary": 200.0,
30        "status": "OPEN",
31        "instruments": [
32          ...
33          {
34            ...
35            "instrumentId": 2,
36            "name": "Violin"
37          }
38        ],
39      },
39      ...
40      {
41        "id": 26,
42        "gigId": 12,
43        "musicianId": null,
44        "instrumentId": 5,
45        "salary": 200.0,
46        "status": "OPEN",
47        "instruments": [
48          ...
49        ]
50      }
51    ]
52  }
```

Read all gigs in the state of Wisconsin:
(37) GET http://localhost:8080/findagig/gigs/state/Wisconsin



The screenshot shows a Postman request for a GET operation at `http://localhost:8080/findagig/gigs/state/Wisconsin`. The response body is a JSON array containing two gig objects. Each gig object has properties like `gigId`, `gigDate`, `gigStartTime`, `gigDuration`, `phone`, `event`, `genre`, `description`, `salary`, `plannerId`, `eventStatus`, `address`, `gigStatuses`, and `instruments`. The `gigStatuses` array contains objects with `id`, `gigId`, `musicianId`, `instrumentId`, `salary`, `status`, and `instruments` arrays.

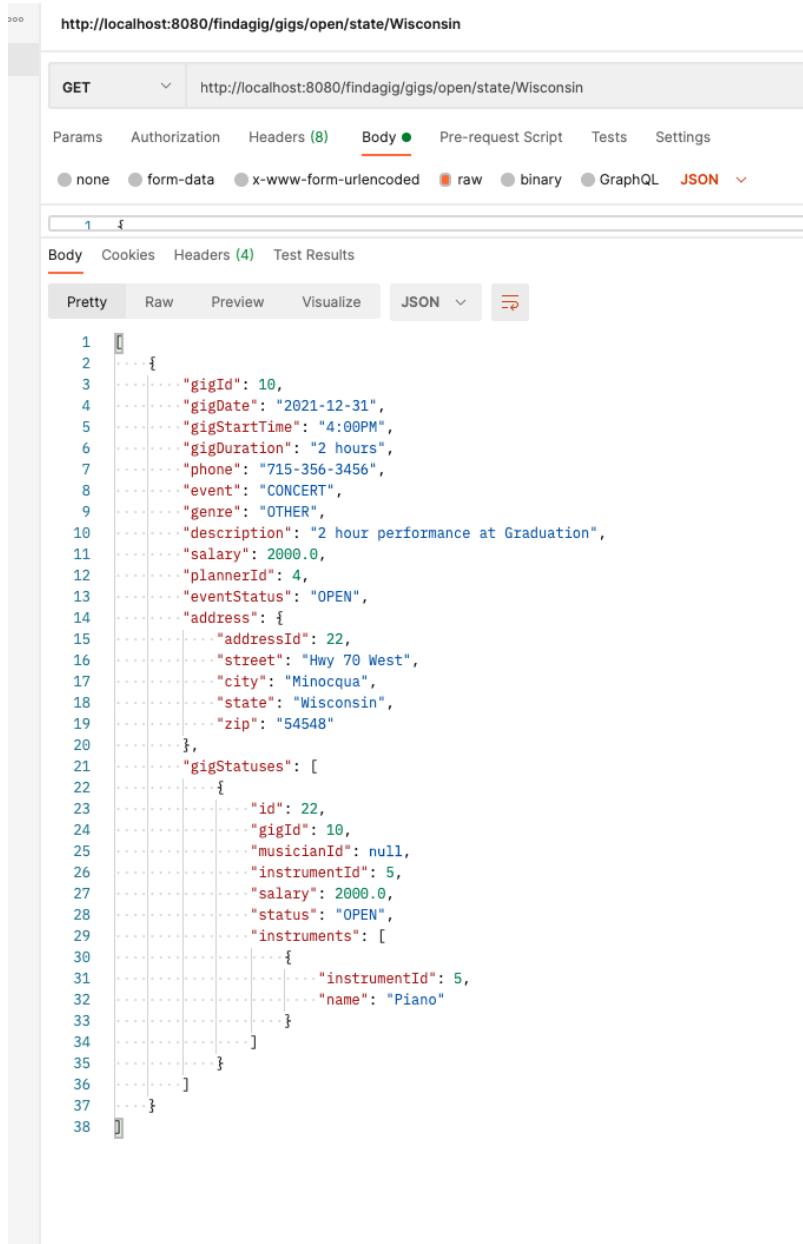
```
[{"id": 1, "gigId": 9, "gigDate": "2021-12-31", "gigStartTime": "4:00PM", "gigDuration": "2 hours", "phone": "715-356-3456", "event": "GIG", "genre": "CHRISTIAN", "description": "2 hour performance, Anniversary Party", "salary": 2000.0, "plannerId": 4, "eventStatus": "OPEN", "address": {"id": 21, "street": "1255 Blue Island Road", "city": "Atbox Vita", "state": "Wisconsin", "zip": "54568"}, "gigStatuses": [{"id": 20, "gigId": 9, "musicianId": null, "instrumentId": 2, "salary": 1000.0, "status": "OPEN", "instruments": [{"id": 2, "name": "Violin"}]}, {"id": 21, "gigId": 9, "musicianId": null, "instrumentId": 5, "salary": 1000.0, "status": "OPEN", "instruments": [{"id": 5, "name": "Piano"}]}], "instruments": [{"id": 2, "name": "Violin"}, {"id": 5, "name": "Piano"}]}, {"id": 2, "gigId": 10, "gigDate": "2021-12-31", "gigStartTime": "4:00PM", "gigDuration": "2 hours", "phone": "715-356-3456", "event": "CONCERT", "genre": "OTHER", "description": "2 hour performance at Graduation", "salary": 2000.0, "plannerId": 4, "eventStatus": "OPEN", "address": {"id": 22, "street": "Hwy 70 West", "city": "Minocqua", "state": "Wisconsin", "zip": "54548"}, "gigStatuses": [{"id": 22, "gigId": 10, "musicianId": null, "instrumentId": 5, "salary": 2000.0, "status": "OPEN", "instruments": [{"id": 5, "name": "Piano"}]}]}]
```

Update Gig #9 to be CANCELLED:

(38) PUT http://localhost:8080/findagig/gigs/9/status/CANCELLED

The screenshot shows the Postman application interface. The URL in the header is `http://localhost:8080/findagig/gigs/9/status/CANCELLED`. The method is set to `PUT`. The `Body` tab is selected, showing a JSON payload. The JSON content is a complex object representing a gig, specifically gig ID 9, with its status updated to `CANCELLED`. The JSON is formatted with line numbers from 1 to 50.

```
1 {
2     "gigId": 9,
3     "gigDate": "2021-12-31",
4     "gigStartTime": "4:00PM",
5     "gigDuration": "2 hours",
6     "phone": "715-356-3456",
7     "event": "GIG",
8     "genre": "CHRISTIAN",
9     "description": "2 hour performance, Anniversary Party",
10    "salary": 2000.0,
11    "plannerId": 4,
12    "eventStatus": "CANCELLED",
13    "address": {
14        "addressId": 21,
15        "street": "1255 Blue Island Road",
16        "city": "Arbor Vitae",
17        "state": "Wisconsin",
18        "zip": "54568"
19    },
20    "gigStatuses": [
21        {
22            "id": 20,
23            "gigId": 9,
24            "musicianId": null,
25            "instrumentId": 2,
26            "salary": 1000.0,
27            "status": "CANCELLED",
28            "instruments": [
29                {
30                    "instrumentId": 2,
31                    "name": "Violin"
32                }
33            ]
34        },
35        {
36            "id": 21,
37            "gigId": 9,
38            "musicianId": null,
39            "instrumentId": 5,
40            "salary": 1000.0,
41            "status": "CANCELLED",
42            "instruments": [
43                {
44                    "instrumentId": 5,
45                    "name": "Piano"
46                }
47            ]
48        }
49    ]
50 }
```

Read all OPEN gigs in the state of Wisconsin:**(39) GET http://localhost:8080/findagig/gigs/open/state/Wisconsin***(Notice: Gig #9 no longer shows up here because we CANCELLED it above)*

```
1 {
2   ...
3   "gigId": 10,
4   ...
5   "gigDate": "2021-12-31",
6   ...
7   "gigStartTime": "4:00PM",
8   ...
9   "gigDuration": "2 hours",
10  ...
11  "phone": "715-356-3456",
12  ...
13  "event": "CONCERT",
14  ...
15  "genre": "OTHER",
16  ...
17  "description": "2 hour performance at Graduation",
18  ...
19  "salary": 2000.0,
20  ...
21  "plannerId": 4,
22  ...
23  "eventStatus": "OPEN",
24  ...
25  "address": {
26    ...
27    "addressId": 22,
28    ...
29    "street": "Hwy 70 West",
30    ...
31    "city": "Minocqua",
32    ...
33    "state": "Wisconsin",
34    ...
35    "zip": "54548"
36  },
37  ...
38  "gigStatuses": [
39    ...
40    {
41      ...
42      "id": 22,
43      ...
44      "gigId": 10,
45      ...
46      "musicianId": null,
47      ...
48      "instrumentId": 5,
49      ...
50      "salary": 2000.0,
51      ...
52      "status": "OPEN",
53      ...
54      "instruments": [
55        ...
56        {
57          ...
58          "instrumentId": 5,
59          ...
60          "name": "Piano"
61        }
62      ]
63    }
64  ]
65 }
```

Read all OPEN gigs that need a Trumpet:**(40) GET http://localhost:8080/findagig/gigs/open/instrument/Trumpet**

```
200
http://localhost:8080/findagig/gigs/open/instrument/Trumpet
GET http://localhost:8080/findagig/gigs/open/instrument/Trumpet|
```

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

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

1

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON ↴

```
1 [
2   {
3     "gigId": 5,
4     "gigDate": "2022-05-27",
5     "gigStartTime": "5:00PM",
6     "gigDuration": "2 hours",
7     "phone": "603-555-4444",
8     "event": "GIG",
9     "genre": "OTHER",
10    "description": "Local Music",
11    "salary": 300.0,
12    "plannerId": 4,
13    "eventStatus": "OPEN",
14    "address": {
15      "addressId": 5,
16      "street": "33 Main Square",
17      "city": "Portsmouth",
18      "state": "New Hampshire",
19      "zip": "03801"
20    },
21    "gigStatuses": [
22      {
23        "id": 9,
24        "gigId": 5,
25        "musicianId": null,
26        "instrumentId": 6,
27        "salary": 300.0,
28        "status": "OPEN",
29        "instruments": [
30          {
31            "instrumentId": 6,
32            "name": "Trumpet"
33          }
34        ]
35      }
36    ],
37    "gigId": 8,
38    "gigDate": "2021-12-31",
39    "gigStartTime": "9:00PM",
40    "gigDuration": "4 hours",
41    "phone": "123-456-7890",
42    "event": "GIG",
43    "genre": "JAZZ",
44    "description": "4 hour performance, New Year's Eve Party",
45    "salary": 2000.0,
46    "plannerId": 4,
47    "eventStatus": "OPEN",
48    "address": {
49      "addressId": 1,
50      "street": "789 Main St",
51      "city": "Milford",
52      "state": "New Hampshire",
53      "zip": "03855"
54    },
55    "gigStatuses": [
56      {
57        "id": 15,
58        "gigId": 8,
59        "musicianId": null,
60        "instrumentId": 6,
61        "salary": 400.0,
62        "status": "OPEN",
63        "instruments": [
64          {
65            "instrumentId": 6,
66            "name": "Trumpet"
67          }
68        ]
69      }
70    ]
71  }
72 ]
73 ]
```

User #9 requests to play Trumpet at Gig #5:**(41) PUT http://localhost:8080/findagig/gigs/5/users/9/request**

```

1 {
2   ...
3     "instruments": [
4       ...
5         "name": "Trumpet"
6     ],
7   ...
8   "status": "REQUESTED"
9 }

```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   ...
3     "id": 9,
4     "gigId": 5,
5     "musicianId": 9,
6     "instrumentId": 6,
7     "salary": 300.0,
8     "status": "REQUESTED",
9     "instruments": [
10       ...
11         "instrumentId": 6,
12         "name": "Trumpet"
13     ]
14 }

```

http://localhost:8080/findagig/gigs/open/instrument/Trumpet

```

1 {
2   ...
3     "gigId": 8,
4     "gigDate": "2021-12-31",
5     "gigStartTime": "9:00PM",
6     "gigDuration": "4 hours",
7     "phone": "123-456-7890",
8     "event": "GIG",
9     "genre": "JAZZ",
10    "description": "4 hour performance, New Year's Eve Party",
11    "salary": 2000.0,
12    "plannerId": 4,
13    "eventStatus": "OPEN",
14    "address": {
15      ...
16      "addressId": 1,
17      "street": "789 Main St",
18      "city": "Milford",
19      "state": "New Hampshire",
20      "zip": "03055"
21    },
22    "gigStatuses": [
23      ...
24      {
25        ...
26        "id": 15,
27        "gigId": 8,
28        ...
29        "musicianId": null,
30        "instrumentId": 6,
31        "salary": 400.0,
32        "status": "OPEN",
33        "instruments": [
34          ...
35          {
36            ...
37            "instrumentId": 6,
38            "name": "Trumpet"
39          }
40        ]
41      }
42    ]
43 }

```

Read all OPEN gigs that need a Trumpet:**(42) GET http://localhost:8080/findagig/gigs/open/instrument/Trumpet**

(Notice: gig #5 no longer appears, because it has been requested by User #9 above)

Read all gigs listed in the genre JAZZ:(43) GET <http://localhost:8080/findagig/gigs/genre/JAZZ>

```
GET http://localhost:8080/findagig/gigs/genre/JAZZ
Params Authorization Headers (8) Body Pre-request Script Tests Settings
none form-data x-www-form-urlencoded raw binary GraphQL JSON
Body Cookies Headers (4) Test Results
Pretty Raw Preview Visualize JSON
1  [
2     {
3         "id": 5,
4         "gigId": 5,
5         "musicianId": null,
6         "eventId": "2021-12-31",
7         "gigStartTime": "9:00PM",
8         "gigDuration": "2 hours",
9         "event": "New Year's Eve Party",
10        "genre": "JAZZ",
11        "status": "OPEN",
12        "instruments": [
13            {
14                "instrumentId": 5,
15                "name": "Piano"
16            }
17        ],
18        "gigStatuses": [
19            {
20                "id": 5,
21                "gigId": 5,
22                "musicianId": null,
23                "instrumentId": 5,
24                "salary": 1000.0,
25                "status": "OPEN",
26                "instruments": [
27                    {
28                        "instrumentId": 5,
29                        "name": "Trumpet"
30                    }
31                ]
32            }
33        ],
34        "address": {
35            "street": "4 Main St",
36            "city": "Milford",
37            "state": "New Hampshire",
38            "zip": "03065"
39        },
40        "gigStatus": [
41            {
42                "id": 5,
43                "gigId": 5,
44                "musicianId": null,
45                "instrumentId": 5,
46                "salary": 1000.0,
47                "status": "OPEN",
48                "instruments": [
49                    {
50                        "instrumentId": 5,
51                        "name": "Piano"
52                    }
53                ]
54            }
55        ],
56        "id": 16,
57        "gigId": 16,
58        "musicianId": null,
59        "eventId": "2022-01-01",
60        "gigStartTime": "9:00PM",
61        "gigDuration": "2 hours",
62        "event": "New Year's Eve Party",
63        "genre": "JAZZ",
64        "status": "OPEN",
65        "instruments": [
66            {
67                "instrumentId": 5,
68                "name": "Trumpet"
69            }
70        ],
71        "gigStatuses": [
72            {
73                "id": 16,
74                "gigId": 16,
75                "musicianId": null,
76                "instrumentId": 5,
77                "salary": 1000.0,
78                "status": "OPEN",
79                "instruments": [
80                    {
81                        "instrumentId": 5,
82                        "name": "Piano"
83                    }
84                ]
85            }
86        ],
87        "address": {
88            "street": "4 Main St",
89            "city": "Milford",
90            "state": "New Hampshire",
91            "zip": "03065"
92        },
93        "gigStatus": [
94            {
95                "id": 16,
96                "gigId": 16,
97                "musicianId": null,
98                "instrumentId": 5,
99                "salary": 1000.0,
100               "status": "OPEN",
101              "instruments": [
102                  {
103                      "instrumentId": 5,
104                      "name": "Trumpet"
105                  }
106              ]
107          }
108      ],
109      "id": 17,
110      "gigId": 17,
111      "musicianId": null,
112      "eventId": "2022-01-01",
113      "gigStartTime": "9:00PM",
114      "gigDuration": "2 hours",
115      "event": "New Year's Eve Party",
116      "genre": "JAZZ",
117      "status": "OPEN",
118      "instruments": [
119          {
120              "instrumentId": 5,
121              "name": "Piano"
122          }
123      ],
124      "gigStatuses": [
125          {
126              "id": 17,
127              "gigId": 17,
128              "musicianId": null,
129              "instrumentId": 5,
130              "salary": 1000.0,
131              "status": "OPEN",
132              "instruments": [
133                  {
134                      "instrumentId": 5,
135                      "name": "Trumpet"
136                  }
137              ]
138          }
139      ],
140      "address": {
141          "street": "4 Main St",
142          "city": "Milford",
143          "state": "New Hampshire",
144          "zip": "03065"
145      },
146      "gigStatus": [
147          {
148              "id": 17,
149              "gigId": 17,
150              "musicianId": null,
151              "instrumentId": 5,
152              "salary": 1000.0,
153              "status": "OPEN",
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155                  {
156                      "instrumentId": 5,
157                      "name": "Trumpet"
158                  }
159              ]
160          }
161      ],
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163      "gigId": 18,
164      "musicianId": null,
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166      "gigStartTime": "9:00PM",
167      "gigDuration": "2 hours",
168      "event": "New Year's Eve Party",
169      "genre": "JAZZ",
170      "status": "OPEN",
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173              "instrumentId": 5,
174              "name": "Piano"
175          }
176      ],
177      "gigStatuses": [
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179              "id": 18,
180              "gigId": 18,
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182              "instrumentId": 5,
183              "salary": 1000.0,
184              "status": "OPEN",
185              "instruments": [
186                  {
187                      "instrumentId": 5,
188                      "name": "Trumpet"
189                  }
190              ]
191          }
192      ],
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194          "street": "4 Main St",
195          "city": "Milford",
196          "state": "New Hampshire",
197          "zip": "03065"
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199      "gigStatus": [
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204              "instrumentId": 5,
205              "salary": 1000.0,
206              "status": "OPEN",
207              "instruments": [
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209                      "instrumentId": 5,
210                      "name": "Trumpet"
211                  }
212              ]
213          }
214      ],
215      "id": 19,
216      "gigId": 19,
217      "musicianId": null,
218      "eventId": "2022-01-01",
219      "gigStartTime": "9:00PM",
220      "gigDuration": "2 hours",
221      "event": "New Year's Eve Party",
222      "genre": "JAZZ",
223      "status": "OPEN",
224      "instruments": [
225          {
226              "instrumentId": 5,
227              "name": "Piano"
228          }
229      ],
230      "gigStatuses": [
231          {
232              "id": 19,
233              "gigId": 19,
234              "musicianId": null,
235              "instrumentId": 5,
236              "salary": 1000.0,
237              "status": "OPEN",
238              "instruments": [
239                  {
240                      "instrumentId": 5,
241                      "name": "Trumpet"
242                  }
243              ]
244          }
245      ],
246      "address": {
247          "street": "4 Main St",
248          "city": "Milford",
249          "state": "New Hampshire",
250          "zip": "03065"
251      },
252      "gigStatus": [
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255              "gigId": 19,
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257              "instrumentId": 5,
258              "salary": 1000.0,
259              "status": "OPEN",
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261                  {
262                      "instrumentId": 5,
263                      "name": "Trumpet"
264                  }
265              ]
266          }
267      ],
268      "id": 20,
269      "gigId": 20,
270      "musicianId": null,
271      "eventId": "2022-01-01",
272      "gigStartTime": "9:00PM",
273      "gigDuration": "2 hours",
274      "event": "New Year's Eve Party",
275      "genre": "JAZZ",
276      "status": "OPEN",
277      "instruments": [
278          {
279              "instrumentId": 5,
280              "name": "Piano"
281          }
282      ],
283      "gigStatuses": [
284          {
285              "id": 20,
286              "gigId": 20,
287              "musicianId": null,
288              "instrumentId": 5,
289              "salary": 1000.0,
290              "status": "OPEN",
291              "instruments": [
292                  {
293                      "instrumentId": 5,
294                      "name": "Trumpet"
295                  }
296              ]
297          }
298      ],
299      "address": {
300          "street": "4 Main St",
301          "city": "Milford",
302          "state": "New Hampshire",
303          "zip": "03065"
304      },
305      "gigStatus": [
306          {
307              "id": 20,
308              "gigId": 20,
309              "musicianId": null,
310              "instrumentId": 5,
311              "salary": 1000.0,
312              "status": "OPEN",
313              "instruments": [
314                  {
315                      "instrumentId": 5,
316                      "name": "Trumpet"
317                  }
318              ]
319          }
320      ],
321      "id": 21,
322      "gigId": 21,
323      "musicianId": null,
324      "eventId": "2022-01-01",
325      "gigStartTime": "9:00PM",
326      "gigDuration": "2 hours",
327      "event": "New Year's Eve Party",
328      "genre": "JAZZ",
329      "status": "OPEN",
330      "instruments": [
331          {
332              "instrumentId": 5,
333              "name": "Piano"
334          }
335      ],
336      "gigStatuses": [
337          {
338              "id": 21,
339              "gigId": 21,
340              "musicianId": null,
341              "instrumentId": 5,
342              "salary": 1000.0,
343              "status": "OPEN",
344              "instruments": [
345                  {
346                      "instrumentId": 5,
347                      "name": "Trumpet"
348                  }
349              ]
350          }
351      ],
352      "address": {
353          "street": "4 Main St",
354          "city": "Milford",
355          "state": "New Hampshire",
356          "zip": "03065"
357      },
358      "gigStatus": [
359          {
360              "id": 21,
361              "gigId": 21,
362              "musicianId": null,
363              "instrumentId": 5,
364              "salary": 1000.0,
365              "status": "OPEN",
366              "instruments": [
367                  {
368                      "instrumentId": 5,
369                      "name": "Trumpet"
370                  }
371              ]
372          }
373      ],
374      "id": 22,
375      "gigId": 22,
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378      "gigStartTime": "9:00PM",
379      "gigDuration": "2 hours",
380      "event": "New Year's Eve Party",
381      "genre": "JAZZ",
382      "status": "OPEN",
383      "instruments": [
384          {
385              "instrumentId": 5,
386              "name": "Piano"
387          }
388      ],
389      "gigStatuses": [
390          {
391              "id": 22,
392              "gigId": 22,
393              "musicianId": null,
394              "instrumentId": 5,
395              "salary": 1000.0,
396              "status": "OPEN",
397              "instruments": [
398                  {
399                      "instrumentId": 5,
400                      "name": "Trumpet"
401                  }
402              ]
403          }
404      ],
405      "address": {
406          "street": "4 Main St",
407          "city": "Milford",
408          "state": "New Hampshire",
409          "zip": "03065"
410      },
411      "gigStatus": [
412          {
413              "id": 22,
414              "gigId": 22,
415              "musicianId": null,
416              "instrumentId": 5,
417              "salary": 1000.0,
418              "status": "OPEN",
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421                      "instrumentId": 5,
422                      "name": "Trumpet"
423                  }
424              ]
425          }
426      ],
427      "id": 23,
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431      "gigStartTime": "9:00PM",
432      "gigDuration": "2 hours",
433      "event": "New Year's Eve Party",
434      "genre": "JAZZ",
435      "status": "OPEN",
436      "instruments": [
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438              "instrumentId": 5,
439              "name": "Piano"
440          }
441      ],
442      "gigStatuses": [
443          {
444              "id": 23,
445              "gigId": 23,
446              "musicianId": null,
447              "instrumentId": 5,
448              "salary": 1000.0,
449              "status": "OPEN",
450              "instruments": [
451                  {
452                      "instrumentId": 5,
453                      "name": "Trumpet"
454                  }
455              ]
456          }
457      ],
458      "address": {
459          "street": "4 Main St",
460          "city": "Milford",
461          "state": "New Hampshire",
462          "zip": "03065"
463      },
464      "gigStatus": [
465          {
466              "id": 23,
467              "gigId": 23,
468              "musicianId": null,
469              "instrumentId": 5,
470              "salary": 1000.0,
471              "status": "OPEN",
472              "instruments": [
473                  {
474                      "instrumentId": 5,
475                      "name": "Trumpet"
476                  }
477              ]
478          }
479      ],
480      "id": 24,
481      "gigId": 24,
482      "musicianId": null,
483      "eventId": "2022-01-01",
484      "gigStartTime": "9:00PM",
485      "gigDuration": "2 hours",
486      "event": "New Year's Eve Party",
487      "genre": "JAZZ",
488      "status": "OPEN",
489      "instruments": [
490          {
491              "instrumentId": 5,
492              "name": "Piano"
493          }
494      ],
495      "gigStatuses": [
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497              "id": 24,
498              "gigId": 24,
499              "musicianId": null,
500              "instrumentId": 5,
501              "salary": 1000.0,
502              "status": "OPEN",
503              "instruments": [
504                  {
505                      "instrumentId": 5,
506                      "name": "Trumpet"
507                  }
508              ]
509          }
510      ],
511      "address": {
512          "street": "4 Main St",
513          "city": "Milford",
514          "state": "New Hampshire",
515          "zip": "03065"
516      },
517      "gigStatus": [
518          {
519              "id": 24,
520              "gigId": 24,
521              "musicianId": null,
522              "instrumentId": 5,
523              "salary": 1000.0,
524              "status": "OPEN",
525              "instruments": [
526                  {
527                      "instrumentId": 5,
528                      "name": "Trumpet"
529                  }
530              ]
531          }
532      ],
533      "id": 25,
534      "gigId": 25,
535      "musicianId": null,
536      "eventId": "2022-01-01",
537      "gigStartTime": "9:00PM",
538      "gigDuration": "2 hours",
539      "event": "New Year's Eve Party",
540      "genre": "JAZZ",
541      "status": "OPEN",
542      "instruments": [
543          {
544              "instrumentId": 5,
545              "name": "Piano"
546          }
547      ],
548      "gigStatuses": [
549          {
550              "id": 25,
551              "gigId": 25,
552              "musicianId": null,
553              "instrumentId": 5,
554              "salary": 1000.0,
555              "status": "OPEN",
556              "instruments": [
557                  {
558                      "instrumentId": 5,
559                      "name": "Trumpet"
560                  }
561              ]
562          }
563      ],
564      "address": {
565          "street": "4 Main St",
566          "city": "Milford",
567          "state": "New Hampshire",
568          "zip": "03065"
569      },
570      "gigStatus": [
571          {
572              "id": 25,
573              "gigId": 25,
574              "musicianId": null,
575              "instrumentId": 5,
576              "salary": 1000.0,
577              "status": "OPEN",
578              "instruments": [
579                  {
580                      "instrumentId": 5,
581                      "name": "Trumpet"
582                  }
583              ]
584          }
585      ],
586      "id": 26,
587      "gigId": 26,
588      "musicianId": null,
589      "eventId": "2022-01-01",
590      "gigStartTime": "9:00PM",
591      "gigDuration": "2 hours",
592      "event": "New Year's Eve Party",
593      "genre": "JAZZ",
594      "status": "OPEN",
595      "instruments": [
596          {
597              "instrumentId": 5,
598              "name": "Piano"
599          }
600      ],
601      "gigStatuses": [
602          {
603              "id": 26,
604              "gigId": 26,
605              "musicianId": null,
606              "instrumentId": 5,
607              "salary": 1000.0,
608              "status": "OPEN",
609              "instruments": [
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611                      "instrumentId": 5,
612                      "name": "Trumpet"
613                  }
614              ]
615          }
616      ],
617      "address": {
618          "street": "4 Main St",
619          "city": "Milford",
620          "state": "New Hampshire",
621          "zip": "03065"
622      },
623      "gigStatus": [
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628              "instrumentId": 5,
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630              "status": "OPEN",
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633                      "instrumentId": 5,
634                      "name": "Trumpet"
635                  }
636              ]
637          }
638      ],
639      "id": 27,
640      "gigId": 27,
641      "musicianId": null,
642      "eventId": "2022-01-01",
643      "gigStartTime": "9:00PM",
644      "gigDuration": "2 hours",
645      "event": "New Year's Eve Party",
646      "genre": "JAZZ",
647      "status": "OPEN",
648      "instruments": [
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650              "instrumentId": 5,
651              "name": "Piano"
652          }
653      ],
654      "gigStatuses": [
655          {
656              "id": 27,
657              "gigId": 27,
658              "musicianId": null,
659              "instrumentId": 5,
660              "salary": 1000.0,
661              "status": "OPEN",
662              "instruments": [
663                  {
664                      "instrumentId": 5,
665                      "name": "Trumpet"
666                  }
667              ]
668          }
669      ],
670      "address": {
671          "street": "4 Main St",
672          "city": "Milford",
673          "state": "New Hampshire",
674          "zip": "03065"
675      },
676      "gigStatus": [
677          {
678              "id": 27,
679              "gigId": 27,
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681              "instrumentId": 5,
682              "salary": 1000.0,
683              "status": "OPEN",
684              "instruments": [
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686                      "instrumentId": 5,
687                      "name": "Trumpet"
688                  }
689              ]
690          }
691      ],
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693      "gigId": 28,
694      "musicianId": null,
695      "eventId": "2022-01-01",
696      "gigStartTime": "9:00PM",
697      "gigDuration": "2 hours",
698      "event": "New Year's Eve Party",
699      "genre": "JAZZ",
700      "status": "OPEN",
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702          {
703              "instrumentId": 5,
704              "name": "Piano"
705          }
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707      "gigStatuses": [
708          {
709              "id": 28,
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714              "status": "OPEN",
715              "instruments": [
716                  {
717                      "instrumentId": 5,
718                      "name": "Trumpet"
719                  }
720              ]
721          }
722      ],
723      "address": {
724          "street": "4 Main St",
725          "city": "Milford",
726          "state": "New Hampshire",
727          "zip": "03065"
728      },
729      "gigStatus": [
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731              "id": 28,
732              "gigId": 28,
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734              "instrumentId": 5,
735              "salary": 1000.0,
736              "status": "OPEN",
737              "instruments": [
738                  {
739                      "instrumentId": 5,
740                      "name": "Trumpet"
741                  }
742              ]
743          }
744      ],
745      "id": 29,
746      "gigId": 29,
747      "musicianId": null,
748      "eventId": "2022-01-01",
749      "gigStartTime": "9:00PM",
750      "gigDuration": "2 hours",
751      "event": "New Year's Eve Party",
752      "genre": "JAZZ",
753      "status": "OPEN",
754      "instruments": [
755          {
756              "instrumentId": 5,
757              "name": "Piano"
758          }
759      ],
760      "gigStatuses": [
761          {
762              "id": 29,
763              "gigId": 29,
764              "musicianId": null,
765              "instrumentId": 5,
766              "salary": 1000.0,
767              "status": "OPEN",
768              "instruments": [
769                  {
770                      "instrumentId": 5,
771                      "name": "Trumpet"
772                  }
773              ]
774          }
775      ],
776      "address": {
777          "street": "4 Main St",
778          "city": "Milford",
779          "state": "New Hampshire",
780          "zip": "03065"
781      },
782      "gigStatus": [
783          {
784              "id": 29,
785              "gigId": 29,
786              "musicianId": null,
787              "instrumentId": 5,
788              "salary": 1000.0,
789              "status": "OPEN",
790              "instruments": [
791                  {
792                      "instrumentId": 5,
793                      "name": "Trumpet"
794                  }
795              ]
796          }
797      ],
798      "id": 30,
799      "gigId": 30,
800      "musicianId": null,
801      "eventId": "2022-01-01",
802      "gigStartTime": "9:00PM",
803      "gigDuration": "2 hours",
804      "event": "New Year's Eve Party",
805      "genre": "JAZZ",
806      "status": "OPEN",
807      "instruments": [
808          {
809              "instrumentId": 5,
810              "name": "Piano"
811          }
812      ],
813      "gigStatuses": [
814          {
815              "id": 30,
816              "gigId": 30,
817              "musicianId": null,
818              "instrumentId": 5,
819              "salary": 1000.0,
820              "status": "OPEN",
821              "instruments": [
822                  {
823                      "instrumentId": 5,
824                      "name": "Trumpet"
825                  }
826              ]
827          }
828      ],
829      "address": {
830          "street": "4 Main St",
831          "city": "Milford",
832          "state": "New Hampshire",
833          "zip": "03065"
834      },
835      "gigStatus": [
836          {
837              "id": 30,
838              "gigId": 30,
839              "musicianId": null,
840              "instrumentId": 5,
841              "salary": 1000.0,
842              "status": "OPEN",
843              "instruments": [
844                  {
845                      "instrumentId": 5,
846                      "name": "Trumpet"
847                  }
848              ]
849          }
850      ],
851      "id": 31,
852      "gigId": 31,
853      "musicianId": null,
854      "eventId": "2022-01-01",
855      "gigStartTime": "9:00PM",
856      "gigDuration": "2 hours",
857      "event": "New Year's Eve Party",
858      "genre": "JAZZ",
859      "status": "OPEN",
860      "instruments": [
861          {
862              "instrumentId": 5,
863              "name": "Piano"
864          }
865      ],
866      "gigStatuses": [
867          {
868              "id": 31,
869              "gigId": 31,
870              "musicianId": null,
871              "instrumentId": 5,
872              "salary": 1000.0,
873              "status": "OPEN",
874              "instruments": [
875                  {
876                      "instrumentId": 5,
877                      "name": "Trumpet"
878                  }
879              ]
880          }
881      ],
882      "address": {
883          "street": "4 Main St",
884          "city": "Milford",
885          "state": "New Hampshire",
886          "zip": "03065"
887      },
888      "gigStatus": [
889          {
890              "id": 31,
891              "gigId": 31,
892              "musicianId": null,
893              "instrumentId": 5,
894              "salary": 1000.0,
895              "status": "OPEN",
896              "instruments": [
897                  {
898                      "instrumentId": 5,
899                      "name": "Trumpet"
900                  }
901              ]
902          }
903      ],
904      "id": 32,
905      "gigId": 32,
906      "musicianId": null,
907      "eventId": "2022-01-01",
908      "gigStartTime": "9:00PM",
909      "gigDuration": "2 hours",
910      "event": "New Year's Eve Party",
911      "genre": "JAZZ",
912      "status": "OPEN",
913      "instruments": [
914          {
915              "instrumentId": 5,
916              "name": "Piano"
917          }
918      ],
919      "gigStatuses": [
920          {
921              "id": 32,
922              "gigId": 32,
923              "musicianId": null,
924              "instrumentId": 5,
925              "salary": 1000.0,
926              "status": "OPEN",
927              "instruments": [
928                  {
929                      "instrumentId": 5,
930                      "name": "Trumpet"
931                  }
932              ]
933          }
934      ],
935      "address": {
936          "street": "4 Main St",
937          "city": "Milford",
938          "state": "New Hampshire",
939          "zip": "03065"
940      },
941      "gigStatus": [
942          {
943              "id": 32,
944              "gigId": 32,
945              "musicianId": null,
946              "instrumentId": 5,
947              "salary": 1000.0,
948              "status": "OPEN",
949              "instruments": [
950                  {
951                      "instrumentId": 5,
952                      "name": "Trumpet"
953                  }
954              ]
955          }
956      ],
957      "id": 33,
958      "gigId": 33,
959      "musicianId": null,
960      "eventId": "2022-01-01",
961      "gigStartTime": "9:00PM",
962      "gigDuration": "2 hours",
963      "event": "New Year's Eve Party",
964      "genre": "JAZZ",
965      "status": "OPEN",
966      "instruments": [
967          {
968              "instrumentId": 5,
969              "name": "Piano"
970          }
971      ],
972      "gigStatuses": [
973          {
974              "id": 33,
975              "gigId": 33,
976              "musicianId": null,
977              "instrumentId": 5,
978              "salary": 1000.0,
979              "status": "OPEN",
980              "instruments": [
981                  {
982                      "instrumentId": 5,
983                      "name": "Trumpet"
984                  }
985              ]
986          }
987      ],
988      "address": {
989          "street": "4 Main St",
990          "city": "Milford",
991          "state": "New Hampshire",
992          "zip": "03065"
993      },
994      "gigStatus": [
995          {
996              "id": 33,
997              "gigId": 33,
998              "musicianId": null,
999              "instrumentId": 5,
1000             "salary": 1000.0,
1001             "status": "OPEN",
1002             "instruments": [
1003                 {
1004                     "instrumentId": 5,
1005                     "name": "Trumpet"
1006                 }
1007             ]
1008         }
1009     ],
1010     "id": 12,
1011     "gigId": 12,
1012     "musicianId": null,
1013     "eventId": "2022-04-03",
1014     "gigStartTime": "10:00AM",
1015     "gigDuration": "1 hour",
1016     "event": "Wedding Ceremony",
1017     "genre": "CHRISTIAN",
1018     "status": "PLANNED",
1019     "instruments": [
1020         {
1021             "instrumentId": 2,
1022             "name": "Violin"
1023         }
1024     ],
1025     "gigStatuses": [
1026         {
1027             "id": 12,
1028             "gigId": 12,
1029             "musicianId": null,
1030             "instrumentId": 2,
1031             "salary": 1000.0,
1032             "status": "PLANNED",
1033             "instruments": [
1034                 {
1035                     "instrumentId": 2,
1036                     "name": "Violin"
1037                 }
1038             ]
1039         }
1040     ],
1041     "address": {
1042         "street": "123 Main Street",
1043         "city": "Arden Hills",
1044         "state": "Minnesota",
1045         "zip": "55303"
1046     },
1047     "gigStatus": [
1048         {
1049             "id": 12,
1050             "gigId": 12,
1051             "musicianId": null,
1052             "instrumentId": 2,
1053             "salary": 1000.0,
1054             "status": "PLANNED",
1055             "instruments": [
1056                 {
1057                     "instrumentId": 2,
1058                     "name": "Violin"
1059                 }
1060             ]
1061         }
1062     ],
1063     "id": 13,
1064     "gigId": 13,
1065     "musicianId": null,
1066     "eventId": "2022-04-03",
1067     "gigStartTime": "10:00AM",
1068     "gigDuration": "1 hour",
1069     "event": "Wedding Ceremony",
1070     "genre": "CHRISTIAN",
1071     "status": "PLANNED",
1072     "instruments": [
1073         {
1074             "instrumentId": 2,
1075             "name": "Violin"
1076         }
1077     ],
1078     "gigStatuses": [
1079         {
1080             "id": 13,
1081             "gigId": 13,
1082             "musicianId": null,
1083             "instrumentId": 2,
1084             "salary": 1000.0,
1085             "status": "PLANNED",
1086             "instruments": [
1087                 {
1088                     "instrumentId": 2,
1089                     "name": "Violin"
1090                 }
1091             ]
1092         }
1093     ],
1094     "address": {
1095         "street": "123 Main Street",
1096         "city": "Arden Hills",
1097         "state": "Minnesota",
1098         "zip": "55303"
1099     },
1100     "gigStatus": [
1101         {
1102             "id": 13,
1103             "gigId": 13,
1104             "musicianId": null,
1105             "instrumentId": 2,
1106             "salary": 1000.0,
1107             "status": "PLANNED",
1108             "instruments": [
1109                 {
1110                     "instrumentId": 2,
1111                     "name": "Violin"
1112                 }
1113             ]
1114         }
1115     ],
1116     "id": 14,
1117     "gigId": 14,
1118     "musicianId": null,
1119     "eventId": "2022-04-03",
1120     "gigStartTime": "10:00AM",
1121     "gigDuration": "1 hour",
1122     "event": "Wedding Ceremony",
1123     "genre": "CHRISTIAN",
1124     "status": "PLANNED",
1125     "instruments": [
1126         {
1127             "instrumentId": 2,
1128             "name": "Violin"
1129         }
1130     ],
1131     "gigStatuses": [
1132         {
1133             "id": 14,
1134             "gigId": 14,
1135             "musicianId": null,
1136             "instrumentId": 2,
1137             "salary": 1000.0,
1138             "status": "PLANNED",
1139             "instruments": [
1140                 {
1141                     "instrumentId": 2,
1142                     "name": "Violin"
1143                 }
1144             ]
1145         }
1146     ],
1147     "address": {
11
```

Get all OPEN gigs in the genre CHRISTIAN:**(45) GET http://localhost:8080/findagig/gigs/open/genre/CHRISTIAN**

(Notice: the CANCELLED gig listed above in (44) is not listed here, because it is not OPEN)

GET http://localhost:8080/findagig/gigs/open/genre/CHRISTIAN

Params Authorization Headers (6) Body Pre-request Script Tests Settings

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

1

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```

1  [
2   {
3     "gigId": 3,
4     "gigDate": "2022-10-13",
5     "gigStartTime": "2:00PM",
6     "gigDuration": "2 hours",
7     "phone": "603-444-5555",
8     "event": "WEDDING",
9     "genre": "CHRISTIAN",
10    "description": "wedding ceremony",
11    "salary": 800.0,
12    "plannerId": 4,
13    "eventStatus": "OPEN",
14    "address": {
15      "addressId": 3,
16      "street": "33 Nashua St",
17      "city": "Merrimack",
18      "state": "New Hampshire",
19      "zip": 03054
20    },
21    "gigStatuses": [
22      {
23        "id": 6,
24        "gigId": 3,
25        "musicianId": null,
26        "instrumentId": 5,
27        "salary": 800.0,
28        "status": "OPEN",
29        "instruments": [
30          {
31            "instrumentId": 5,
32            "name": "Piano"
33          }
34        ]
35      }
36    ],
37  },
38  {
39    "gigId": 12,
40    "gigDate": "2021-04-03",
41    "gigStartTime": "2:00PM",
42    "gigDuration": "1 hour",
43    "phone": "603-882-5678",
44    "event": "WEDDING",
45    "genre": "CHRISTIAN",
46    "description": "Ceremony",
47    "salary": 400.0,
48    "plannerId": 4,
49    "eventStatus": "OPEN",
50    "address": {
51      "addressId": 23,
52      "street": "3 Lund Road",
53      "city": "Nashua",
54      "state": "New Hampshire",
55      "zip": 03060
56    },
57    "gigStatuses": [
58      {
59        "id": 25,
60        "gigId": 12,
61        "musicianId": null,
62        "instrumentId": 2,
63        "salary": 200.0,
64        "status": "OPEN",
65        "instruments": [
66          {
67            "instrumentId": 2,
68            "name": "Violin"
69          }
70        ],
71      },
72      {
73        "id": 26,
74        "gigId": 12,
75        "musicianId": null,
76        "instrumentId": 5,
77        "salary": 200.0,
78        "status": "OPEN",
79        "instruments": [
80          {
81            "instrumentId": 5,
82            "name": "Piano"
83          }
84        ]
85      }
86    ],
87  }
]

```

CRUD Operations for Users:**Get User #14:****(46) GET http://localhost:8080/findagig/users/14**

http://localhost:8080/findagig/users/14

```

1
2   "id": 14,
3   "username": "TubaGuy",
4   "firstName": "Barry",
5   "lastName": "Blank",
6   "userType": "MUSICIAN",
7   "instruments": [
8     {
9       "instrumentId": 9,
10      "name": "Tuba"
11    }
12  ],
13  "address": {
14    "addressId": 15,
15    "street": "475 Main St",
16    "city": "New York",
17    "state": "New York",
18    "zip": "10044"
19  }
20

```

Delete User #14:**(47) DELETE http://localhost:8080/findagig/users/14**

http://localhost:8080/findagig/users/14

```

1  Successfully deleted user with id: 14

```

Read User #14:**(48) GET http://localhost:8080/findagig/users/14**

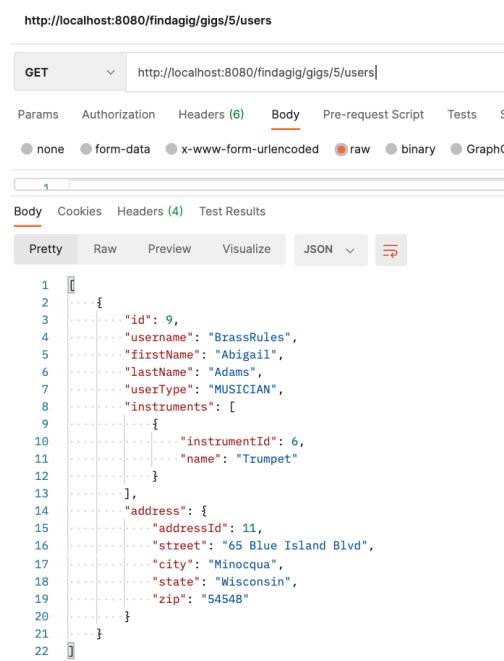
http://localhost:8080/findagig/users/14

```

1

```

Read the Users assigned to Gig #5:
(49) GET http://localhost:8080/findagig/gigs/5/users



```

http://localhost:8080/findagig/gigs/5/users

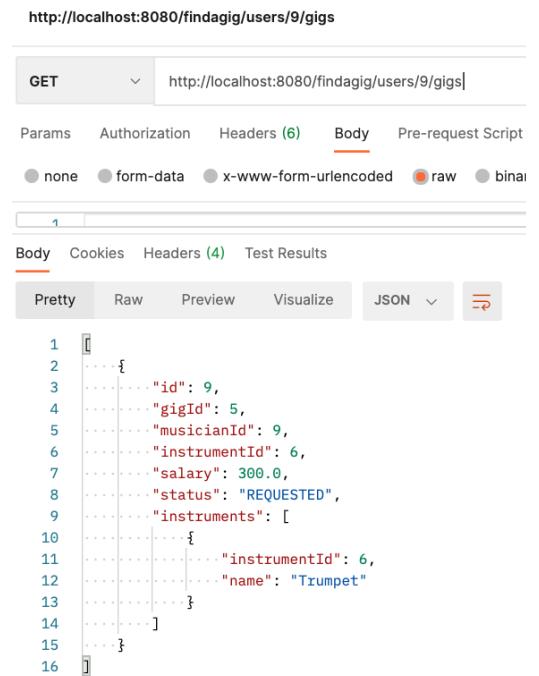
GET http://localhost:8080/findagig/gigs/5/users

Params Authorization Headers (6) Body Pre-request Script Tests
none form-data x-www-form-urlencoded raw binary GraphQ

1
Body Cookies Headers (4) Test Results
Pretty Raw Preview Visualize JSON
1 [
2   {
3     "id": 9,
4     "username": "BrassRules",
5     "firstName": "Abigail",
6     "lastName": "Adams",
7     "userType": "MUSICIAN",
8     "instruments": [
9       {
10         "instrumentId": 6,
11         "name": "Trumpet"
12       }
13     ],
14     "address": {
15       "addressId": 11,
16       "street": "65 Blue Island Blvd",
17       "city": "Minocqua",
18       "state": "Wisconsin",
19       "zip": "54548"
20     }
21   }
22 ]

```

Read the Gigs assigned to User #9:
(50) GET http://localhost:8080/findagig/gigs/5/users



```

http://localhost:8080/findagig/users/9/gigs

GET http://localhost:8080/findagig/users/9/gigs

Params Authorization Headers (6) Body Pre-request Script
none form-data x-www-form-urlencoded raw binary

1
Body Cookies Headers (4) Test Results
Pretty Raw Preview Visualize JSON
1 [
2   {
3     "id": 9,
4     "gigId": 5,
5     "musicianId": 9,
6     "instrumentId": 6,
7     "salary": 300.0,
8     "status": "REQUESTED",
9     "instruments": [
10       {
11         "instrumentId": 6,
12         "name": "Trumpet"
13       }
14     ]
15   }
16 ]

```

Read Gig #9:

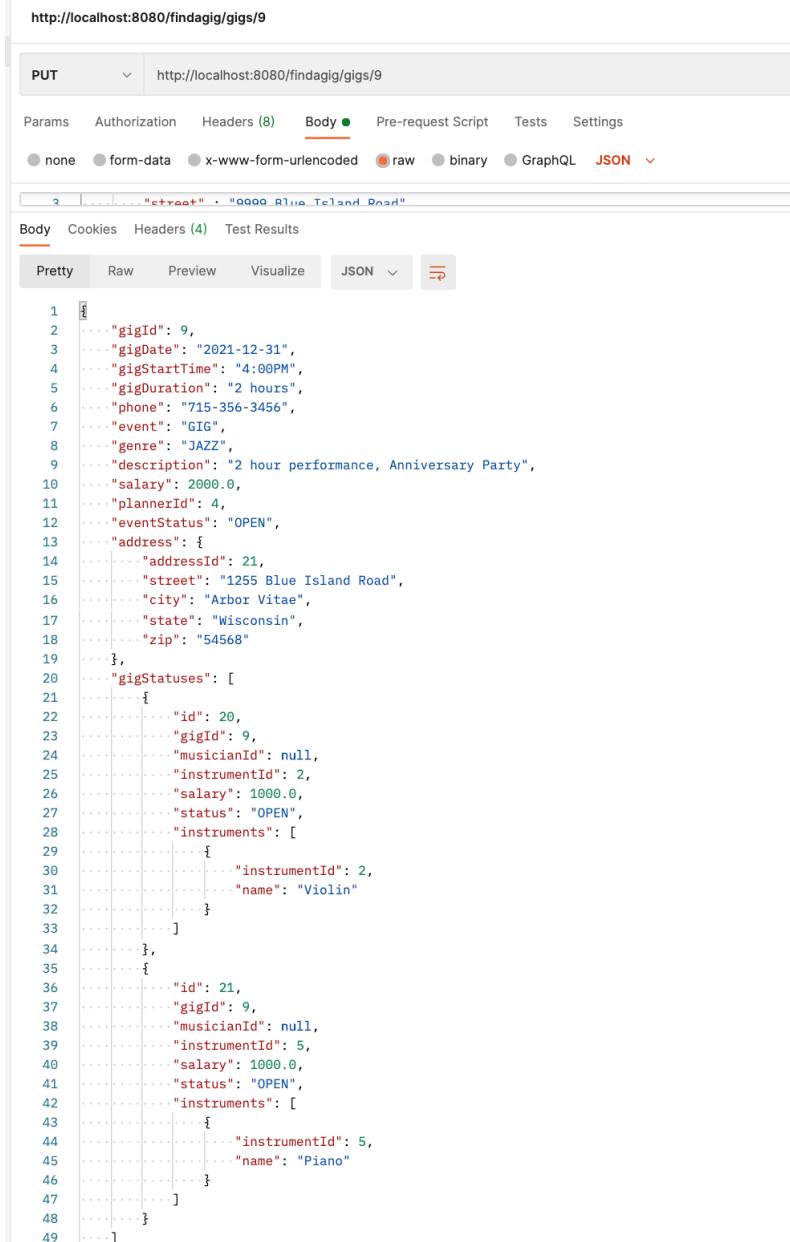
(51) GET http://localhost:8080/findagig/gigs/9

http://localhost:8080/findagig/gigs/9

```
1
2     "gigId": 9,
3     "gigDate": "2021-12-31",
4     "gigStartTime": "4:00PM",
5     "gigDuration": "2 hours",
6     "phone": "715-356-3456",
7     "event": "GIG",
8     "genre": "CHRISTIAN",
9     "description": "2 hour performance, Anniversary Party",
10    "salary": 2000.0,
11    "plannerId": 4,
12    "eventStatus": "CANCELLED",
13    "address": {
14        "addressId": 21,
15        "street": "1255 Blue Island Road",
16        "city": "Arbor Vitae",
17        "state": "Wisconsin",
18        "zip": "54568"
19    },
20    "gigStatuses": [
21        {
22            "id": 20,
23            "gigId": 9,
24            "musicianId": null,
25            "instrumentId": 2,
26            "salary": 1000.0,
27            "status": "CANCELLED",
28            "instruments": [
29                {
30                    "instrumentId": 2,
31                    "name": "Violin"
32                }
33            ],
34        },
35        {
36            "id": 21,
37            "gigId": 9,
38            "musicianId": null,
39            "instrumentId": 5,
40            "salary": 1000.0,
41            "status": "CANCELLED",
42            "instruments": [
43                {
44                    "instrumentId": 5,
45                    "name": "Piano"
46                }
47            ],
48        }
49    ]
50
```

Update Gig #9: *(Set it to status: OPEN, and genre: JAZZ)*
(52) PUT http://localhost:8080/findagig/gigs/9

http://localhost:8080/findagig/gigs/9

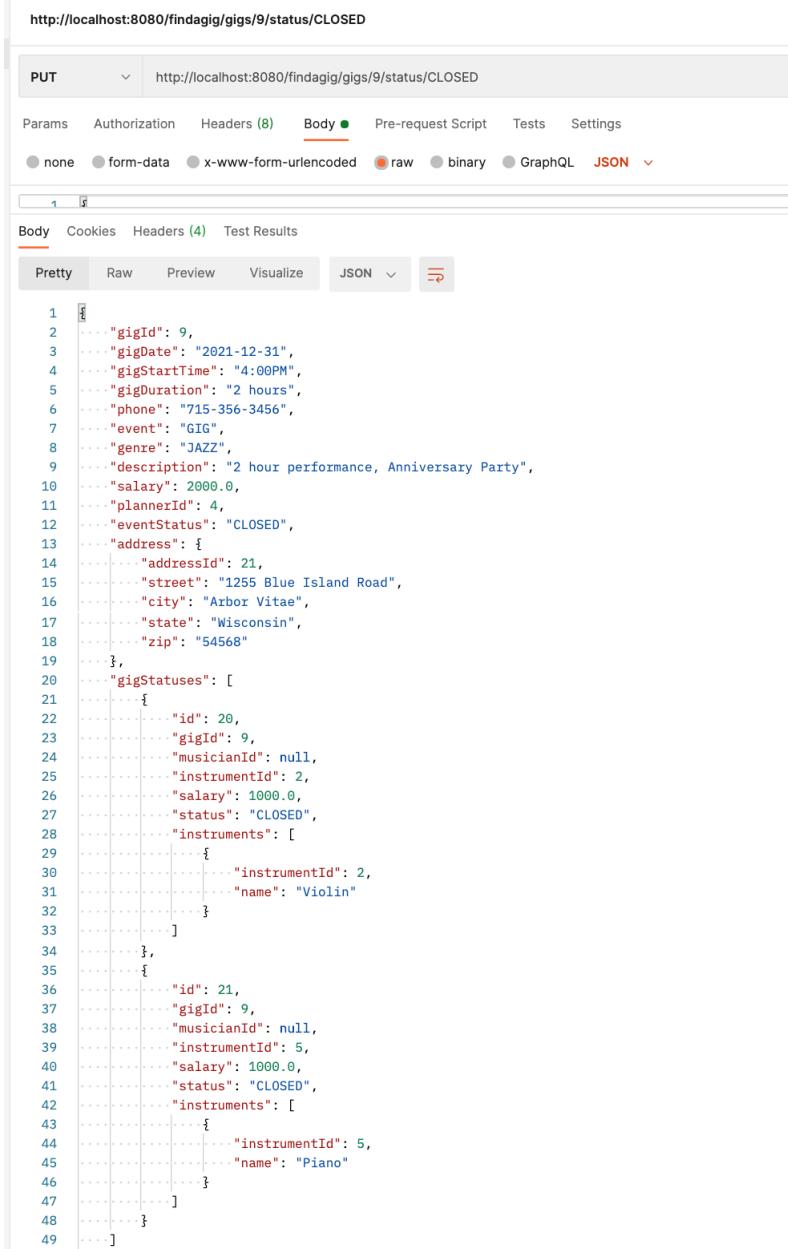


```

PUT http://localhost:8080/findagig/gigs/9
Body (8)
Params Authorization Headers (8) Body (1) Pre-request Script Tests Settings
none form-data x-www-form-urlencoded raw binary GraphQL JSON
2 "street": "1255 Blue Island Road"
Body Cookies Headers (4) Test Results
Pretty Raw Preview Visualize JSON
1
2     "gigId": 9,
3     "gigDate": "2021-12-31",
4     "gigStartTime": "4:00PM",
5     "gigDuration": "2 hours",
6     "phone": "715-356-3456",
7     "event": "GIG",
8     "genre": "JAZZ",
9     "description": "2 hour performance, Anniversary Party",
10    "salary": 2000.0,
11    "plannerId": 4,
12    "eventStatus": "OPEN",
13    "address": {
14        "addressId": 21,
15        "street": "1255 Blue Island Road",
16        "city": "Arbor Vitae",
17        "state": "Wisconsin",
18        "zip": "54568"
19    },
20    "gigStatuses": [
21        {
22            "id": 20,
23            "gigId": 9,
24            "musicianId": null,
25            "instrumentId": 2,
26            "salary": 1000.0,
27            "status": "OPEN",
28            "instruments": [
29                {
30                    "instrumentId": 2,
31                    "name": "Violin"
32                }
33            ],
34        },
35        {
36            "id": 21,
37            "gigId": 9,
38            "musicianId": null,
39            "instrumentId": 5,
40            "salary": 1000.0,
41            "status": "OPEN",
42            "instruments": [
43                {
44                    "instrumentId": 5,
45                    "name": "Piano"
46                }
47            ],
48        }
49    ]

```

Update Gig #9: *(Set it to status: CLOSED)*
(53) PUT http://localhost:8080/findagig/gigs/9/status/CLOSED

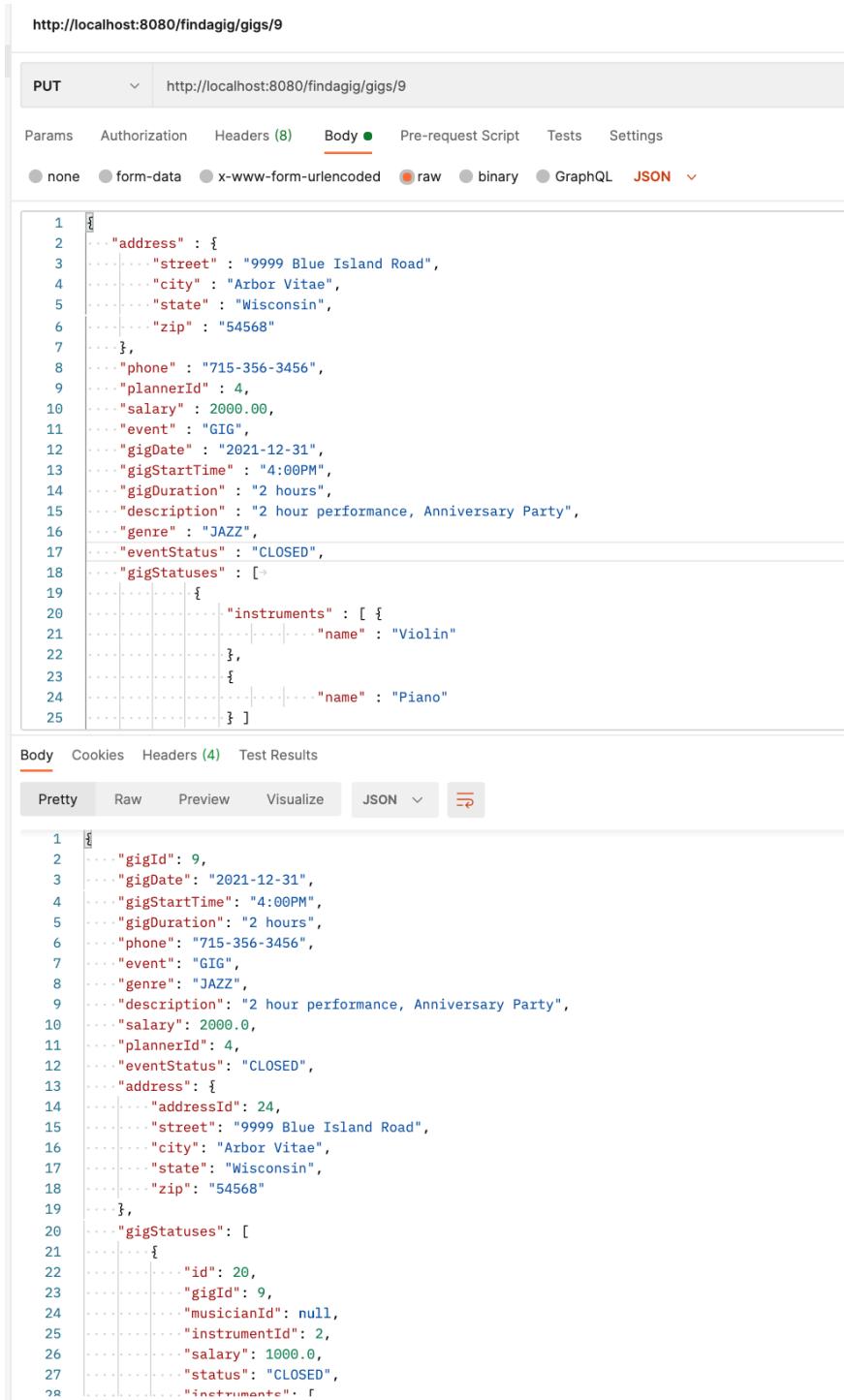


The screenshot shows the Postman application interface. The URL in the header is `http://localhost:8080/findagig/gigs/9/status/CLOSED`. The method is set to `PUT`. The `Body` tab is selected, showing a JSON payload with line numbers. The payload is a complex object representing a gig, including its ID, date, start time, duration, phone number, event name, genre, description, salary, planner ID, event status, address, and gig statuses. Each gig status includes an ID, gig ID, musician ID, instrument ID, salary, status, and instruments. The instruments array contains objects with instrument IDs and names.

```
1 {
2     "gigId": 9,
3     "gigDate": "2021-12-31",
4     "gigStartTime": "4:00PM",
5     "gigDuration": "2 hours",
6     "phone": "715-356-3456",
7     "event": "GIG",
8     "genre": "JAZZ",
9     "description": "2 hour performance, Anniversary Party",
10    "salary": 2000.0,
11    "plannerId": 4,
12    "eventStatus": "CLOSED",
13    "address": {
14        "addressId": 21,
15        "street": "1255 Blue Island Road",
16        "city": "Aibor Vitae",
17        "state": "Wisconsin",
18        "zip": "54568"
19    },
20    "gigStatuses": [
21        {
22            "id": 20,
23            "gigId": 9,
24            "musicianId": null,
25            "instrumentId": 2,
26            "salary": 1000.0,
27            "status": "CLOSED",
28            "instruments": [
29                {
30                    "instrumentId": 2,
31                    "name": "Violin"
32                }
33            ],
34        },
35        {
36            "id": 21,
37            "gigId": 9,
38            "musicianId": null,
39            "instrumentId": 5,
40            "salary": 1000.0,
41            "status": "CLOSED",
42            "instruments": [
43                {
44                    "instrumentId": 5,
45                    "name": "Piano"
46                }
47            ]
48        }
49    ]
}
```

Update Gig #9: *(Change the address!)*
(54) PUT http://localhost:8080/findagig/gigs/9

http://localhost:8080/findagig/gigs/9



The screenshot shows a POSTMAN interface with the following details:

- Method:** PUT
- URL:** http://localhost:8080/findagig/gigs/9
- Body (JSON):**

```

1
2   "address" : {
3     "street" : "9999 Blue Island Road",
4     "city" : "Arbor Vitae",
5     "state" : "Wisconsin",
6     "zip" : "54568"
7   },
8   "phone" : "715-356-3456",
9   "plannerId" : 4,
10  "salary" : 2000.00,
11  "event" : "GIG",
12  "gigDate" : "2021-12-31",
13  "gigStartTime" : "4:00PM",
14  "gigDuration" : "2 hours",
15  "description" : "2 hour performance, Anniversary Party",
16  "genre" : "JAZZ",
17  "eventStatus" : "CLOSED",
18  "gigStatuses" : [
19    {
20      "instruments" : [
21        {
22          "name" : "Violin"
23        },
24        {
25          "name" : "Piano"
26        }
27      ]
28    }
29  ]

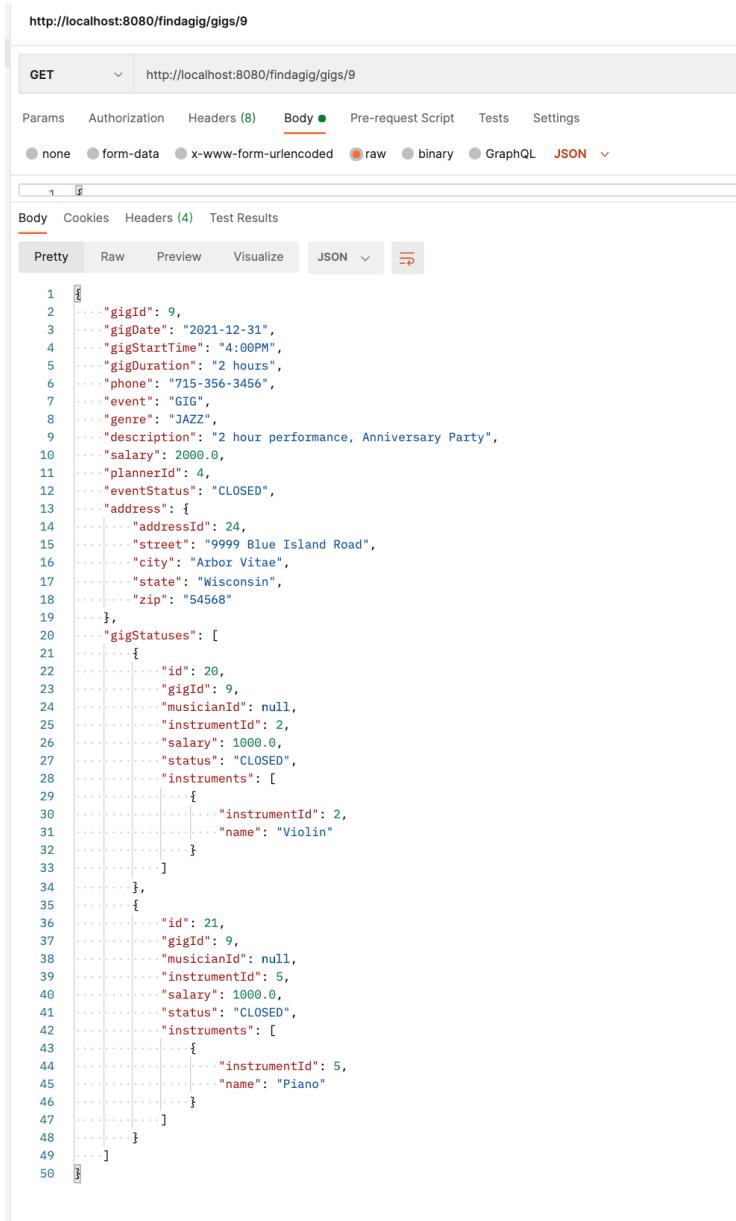
```
- Headers:** (4)
- Body:** Pretty
- Response (Pretty JSON):**

```

1
2   "gigId": 9,
3   "gigDate": "2021-12-31",
4   "gigStartTime": "4:00PM",
5   "gigDuration": "2 hours",
6   "phone": "715-356-3456",
7   "event": "GIG",
8   "genre": "JAZZ",
9   "description": "2 hour performance, Anniversary Party",
10  "salary": 2000.0,
11  "plannerId": 4,
12  "eventStatus": "CLOSED",
13  "address": {
14    "addressId": 24,
15    "street": "9999 Blue Island Road",
16    "city": "Arbor Vitae",
17    "state": "Wisconsin",
18    "zip": "54568"
19  },
20  "gigStatuses": [
21    {
22      "id": 20,
23      "gigId": 9,
24      "musicianId": null,
25      "instrumentId": 2,
26      "salary": 1000.0,
27      "status": "CLOSED",
28      "instruments": [
29        {
30          "name": "Violin"
31        },
32        {
33          "name": "Piano"
34        }
35      ]
36    }
37  ]

```

Read Gig #9:
(55) GET http://localhost:8080/findagig/gigs/9



The screenshot shows the Postman application interface. A GET request is made to `http://localhost:8080/findagig/gigs/9`. The response body is displayed in JSON format, showing gig details including address, instruments, and gig statuses.

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