

## FINAL PROJECT: Restaurant Multi-Purpose API

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GITHUB link: <<https://github.com/wlindstrom55/restaurantManagement>>

### USERS CRUD TESTS:

#### Test 1: POST <http://localhost:8080/users/register>

POST <http://localhost:8080/users/register>

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

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

```
1 {
2   ... "username": "B",
3   ... "password": "12345",
4   ... "address": "CA",
5   ... "orderlevel": "DIAMOND"
6 }
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize **JSON**

```
1 {
2   "id": 2,
3   "hash": "$2a$10$PoBB2ab0zQWyGtXC8VSV0ekCykNd2numg4sGv7sC/Exr.aX5y../C",
4   "userName": "B",
5   "address": "CA",
6   "orderlevel": "DIAMOND",
7   "orders": null
8 }
```

Then, POST another user:

POST

▼

http://localhost:8080/users/register

Params

Authorization

Headers (8)

Body ●

Pre-request Script

Tests

Settings

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

JSON

```
1 {
2   ... "username": "V",
3   ... "password": "12345",
4   ... "address": "KS",
5   ... "orderlevel": "SILVER"
6 }
```

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

↺

```
1 {
2   "id": 3,
3   "hash": "$2a$10$7uUdqI4D00z/_ioceQRF2ruZAvDNebuSdxVvNVhZMohGgjMPNcM/3",
4   "userName": "V",
5   "address": "KS",
6   "orderlevel": "SILVER",
7   "orders": null
}
```

## Test 2: GET /users

GET

http://localhost:8080/users

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

5

"userName": null,

6

"address": "CA",

7

"orderlevel": "DIAMOND",

8

"orders": [],

9

"reviews": []

10

},

11

{

12

"id": 2,

13

"hash": "\$2a\$10\$PoBB2ab0zQWyGtXC8VSV0ekCykNd2numg4sGv7sC/Exr.aX5y../C",

14

"userName": "B",

15

"address": "CA",


16


"orderlevel": "DIAMOND",

17

"orders": [],

## Test: DELETE users/1



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

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

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


1 5


Body Cookies Headers (4) Test Results


Pretty Raw Preview Visualize Text  

1 Successfully deleted customer with id: 1

## Test: PUT users/2:



PUT  http://localhost:8080/users/2

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

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

```
1 {
2   ... "userName": "Ben",
3   ... "password": "09253947uh",
4   ... "address": "91284 S Road, Kearney, NE",
5   ... "orderlevel": "SILVER"
6 }
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON  

```
1 {
2   "id": 2,
3   "hash": "$2a$10$PoBB2ab0zQWyGtXC8VSV0ekCykNd2numg4sGv7sC/Exr.aX5y../C",
4   "userName": "Ben",
5   "address": "91284 S Road, Kearney, NE",
6   "orderlevel": "SILVER"
```

## CRUD TESTS ON RESTAURANT:

### Test: POST /restaurants

POST

http://localhost:8080/restaurants

Params

Authorization

Headers (8)

Body

Pre-request Script

Test Results

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ text

```
1 {
2   "restaurant_name": "A",
3   "restaurant_description": "A cool place"
4 }
```

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview



Visualize

JSON

```
1 {
2   "id": 1,
3   "restaurant_name": "A",
4   "restaurant_description": "A cool place",
5   "restaurant_res": [],
6   "restaurant_menu": [],
7   "restaurant_review": []
8 }
```

## Test: POST another restaurant:

http://localhost:8080/restaurants


POST  

http://localhost:8080/restaurants

Params

Authorization


Headers (8)


Body 


Pre-request Script


Tests


Settings


 none


 form-data

 x-www-form-urlencoded

 **raw**

 binary

 GraphQL

**JSON** 

```
1 {  
2   ... "restaurant_name": "Reenie's Beanery",  
3   ... "restaurant_description": "Neat ambiance and goodish food."  
4 }
```

Body

Cookies

Headers (4)


Test Results


Pretty


Raw

Preview

Visualize

JSON 



```
1 {  
2   "id": 2,  
3   "restaurant_name": "Reenie's Beanery",  
4   "restaurant_description": "Neat ambiance and goodish food.",   
5   "restaurant_res": null,  
6   "restaurant_menu": null,  
7   "restaurant_review": null  
8 }
```

## Test: GET /restaurants:

GET

http://localhost:8080/restaurants

Params

Authorization

Headers (8)

**Body**

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JS

1

1

1

1

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1  [
2    {
3      "id": 1,
4      "restaurant_name": "A",
5      "restaurant_description": "A cool place",
6      "restaurant_res": [],
7      "restaurant_menu": [],
8      "restaurant_review": []
9    },
10   {
11     "id": 2,
12     "restaurant_name": "Reenie's Beanery",
13     "restaurant_description": "Neat ambiance and goodish food.",
```

## Test: PUT restaurant/1:

PUT

http://localhost:8080/restaurants/1

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   ... "restaurant_name": "A hip place",
3   ... "restaurant_description": "We renovated and now this place is real hip"
4 }
```

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview


Visualize

JSON

```
1 {
2   "id": 1,
3   "restaurant_name": "A hip place",
4   "restaurant_description": "We renovated and now this place is real hip",
5   "restaurant_res": [],
6   "restaurant_menu": [],
```



## Test: DELETE restaurants/2:


DELETE  ▼

http://localhost:8080/restaurants/2

Params

Authorization


Headers (8)


**Body** 

Pre-request Script


Tests


Settings


 none

 form-data

 x-www-form-urlencoded

 raw

 binary

 GraphQL

**JSON** ▼

```
1 {}  
2 ... "restaurant_name": "A hip place",  
3 ... "restaurant_description": "We renovated and now this place is real hip"  
4 }
```

**Body**

Cookies

Headers (4)

Test Results


Pretty


Raw

Preview

Visualize

Text ▼




```
1 Successfully deleted restaurant with id: 2 
```

## CRUD TESTS ON REVIEWS:

### Test: POST /reviews:

http://localhost:8080/reviews


POST  

http://localhost:8080/reviews


Params

Authorization


Headers (8)

Body 

Pre-request Sc

 none

 form-data

 x-www-form-urlencoded

 raw

 bir

```
1 {
2   ... "restId": 1,
3   ... "reviewDescription": "not all that good",
4   ... "rating": "ONESTAR"
5 }
```

Body

Cookies

Headers (4)

Test Results


Pretty

Raw

Preview



Visualize

JSON 



```
1 {
2   "id": 1,
3   "restId": 1,
4   "reviewDescription": "not all that good",
5   "rating": "ONESTAR"
6 }
```

## Test: POST again to reviews:


POST  

http://localhost:8080/reviews

Params

Authorization


Headers (8)


Body 


Pre-request Script


Tests


Settings


 none


 form-data

 x-www-form-urlencoded

 raw

 binary

 GraphQL

JSON 

```
1 {  
2   ... "restId": 2,  
3   ... "reviewDescription": "Pretty solid actually, I really liked the staff",  
4   ... "rating": "FOURSTAR"  
5 }
```

Body

Cookies

Headers (4)


Test Results


Pretty

Raw

Preview

Visualize

JSON 



```
1 {  
2   "id": 2,  
3   "restId": 2,  
4   "reviewDescription": "Pretty solid actually, I really liked the staff",  
5   "rating": "FOURSTAR"  
6 }
```

## Test: GET /reviews:

GET

▼

http://localhost:8080/reviews

Params

Authorization

Headers (8)

Body ●

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON ▼

1

5

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

≡

2

3

4

5

6

7

8

9

10

11

12

13

14

{

"restId": 1,

"reviewDescription": "not all that good",

"rating": "ONESTAR"

}

,

{


"restId": 2,

"reviewDescription": "Pretty solid actually, I really liked the staff",

"rating": "FOURSTAR"

}

## Test: PUT /reviews/1:


PUT 

http://localhost:8080/reviews/1

Params


Authorization


Headers (8)


Body 


Pre-request Script

Tests


 none

 form-data

 x-www-form-urlencoded

 raw

 binary

 GraphQL

```
1 {
2   ... "restId": 1,
3   ... "reviewDescription": "I changed my mind it was ok",
4   ... "rating": "TWOSTAR"
5 }
```

Body

Cookies

Headers (4)


Test Results


Pretty

Raw

Preview


Visualize

JSON 



```
1 {
2   "id": 1,
3   "restId": 1,
4   "reviewDescription": "I changed my mind it was ok",
5   "rating": "TWOSTAR"
6 }
```

## Test: DELETE /reviews/1:


DELETE 

http://localhost:8080/reviews/1

Params

Authorization

Headers (8)

**Body** 

Pre-request Script

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐

```
1 {  
2   ... "restId": 1,  
3   ... "reviewDescription": "I changed my mind it was ok",  
4   ... "rating": "TWOSTAR"  
5 }
```

**Body**

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

Text 



```
1 Successfully delete review with id: 1 
```

## PRODUCT CRUD TESTS:

### Test: POST /products

POST  ▼ http://localhost:8080/products


Params Authorization Headers (8) Body ● Pre-request Sci

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ bin

```
1 {  
2   "product_name": "Banana",  
3   "description": "A banana. Yellow",  
4   "price": 2.98  
5 }
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize

JSON ▼ 

```
1 {  
2   "id": 1,  
3   "product_name": "Banana",  
4   "price": 2.98,  
5   "description": "A banana. Yellow"  
6 }
```

## Test: POST another product:

POST

⌵

http://localhost:8080/products

●

Params

Authorization

Headers (8)

Body

●

Pre-request Script

1

●

 none

●

 form-data

●

 x-www-form-urlencoded

●

 raw

●

 binary

●

1

}

2

→

"product\_name": "Swiss-Mushroom Runza",

3

→

"description": "Beef, Swiss Cheese, Mushrooms",

4

→

"price": 7.50

5

}

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON ⌵

↺

1

}

2

"id": 2,

3

"product\_name": "Swiss-Mushroom Runza",

4

"price": 7.5,

5

"description": "Beef, Swiss Cheese, Mushrooms"

6

}



## Test : GET /products

GET

http://localhost:8080/products

Params

Authorization

Headers (8)

Body

Pre-request Script

Test

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● Gr

```
1 {
2   "product_name": "Pickle",
3   "description": "it's a pickle",
4   "price": 1000.00
5 }
```

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON

↺

```
9   "id": 2,
10  "product_name": "Swiss-Mushroom Runza",
11  "price": 7.5,
12  "description": "Beef, Swiss Cheese, Mushrooms"
13 },
14 {
15   "id": 3,
16   "product name": "Pickle",
```

## Test: PUT /products/2

PUT

▼

http://localhost:8080/products/2

Params

Authorization

Headers (8)

Body ●

Pre-request Script

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

```
1 {
2   "product_name": "Orange",
3   "description": "it's an orange",
4   "price": 5000.00
5 }
```

Body

Cookies

Headers (4)

Test Results


Pretty

Raw

Preview

Visualize

JSON ▼



```
1 {
2   "id": 2,
3   "product_name": "Orange",
4   "price": 5000.0,
5   "description": "it's an orange"
6 }
```

## Test: DELETE /products/2

● DELETE ▾

http://localhost:8080/products/2

Params

Authorization

Headers (8)

Body ●

Pre-reqs

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

```
1  {
2    →  "product_name": "Orange",
3    →  "description": "it's an orange",
4    →  "price": 5000.00
5  }
```

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize


Text ▾


☰








```
1  Successfully deleted product with id: 2 ●
```



## ORDER CRUD TESTS:

### Test: POST /users/3/orders



POST  http://localhost:8080/users/3/orders

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   "id": 2,
3   "ordered": {
4     "year": 2021,
5     "month": "APRIL",
6     "era": "CE",
7     "dayOfMonth": 15,
8     "dayOfWeek": "THURSDAY",
9     "dayOfYear": 105,
10    "leapYear": false,
11    "monthValue": 4,
12    "chronology": {
13      "calendarType": "iso8601",
14      "id": "ISO"
15    }
16  },
17  "estimatedDelivery": {
18    "year": 2021,
19    "month": "APRIL",
20    "era": "CE",
21    "dayOfMonth": 16,
22    "dayOfWeek": "FRIDAY",
23    "dayOfYear": 106,
24    "leapYear": false,
25    "monthValue": 4,
26    "chronology": {
27      "calendarType": "iso8601",
28      "id": "ISO"
29    }
30  },
31  "delivered": null,
32  "invoiceAmount": 360.0,
```

## POST an order under User 1:



POST  http://localhost:8080/users/1/orders

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

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



1 `[{"id": 1, "year": 2021, "month": "APRIL", "era": "CE", "dayOfMonth": 15, "dayOfWeek": "THURSDAY", "dayOfYear": 105, "leapYear": false, "monthValue": 4, "chronology": {"calendarType": "iso8601", "id": "ISO"}}, {"id": 2, "year": 2021, "month": "APRIL", "era": "CE", "dayOfMonth": 16, "dayOfWeek": "FRIDAY", "dayOfYear": 106, "leapYear": false, "monthValue": 4, "chronology": {"calendarType": "iso8601", "id": "ISO"}}]`


Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize **JSON**  

```
1  [
2    {
3      "id": 1,
4      "year": 2021,
5      "month": "APRIL",
6      "era": "CE",
7      "dayOfMonth": 15,
8      "dayOfWeek": "THURSDAY",
9      "dayOfYear": 105,
10     "leapYear": false,
11     "monthValue": 4,
12     "chronology": {
13       "calendarType": "iso8601",
14       "id": "ISO"
15     }
16   },
17   {
18     "id": 2,
19     "year": 2021,
20     "month": "APRIL",
21     "era": "CE",
22     "dayOfMonth": 16,
23     "dayOfWeek": "FRIDAY",
24     "dayOfYear": 106,
25     "leapYear": false,
26     "monthValue": 4,
27     "chronology": {
28       "calendarType": "iso8601",
29       "id": "ISO"
30     }
31   }
32 ]
```

## Test: PUT /users/2/orders/1 “CANCELLED”



PUT   http://localhost:8080/users/2/orders/1

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

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



```
1 {
2   ... "status": "CANCELLED"
3 }
```


Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON  


```
30 },
31   "delivered": null,
32   "invoiceAmount": 0.0,
33   "status": "CANCELLED",
34   "products": []
35 }
```

## Test: PUT /users/2/orders/1 “DELIVERED”



PUT   http://localhost:8080/users/2/orders/1


Params Authorization Headers (8) Body  Pre-request S

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ I

```
1 {  
2   ... "status": "DELIVERED"   
3 }
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON  

```
43   }  
44   },  
45   "invoiceAmount": 0.0,  
46   "status": "DELIVERED",   
47   "products": []
```

RESERVATION TESTS:

Test: POST users/3/reservations

POST

▼

http://localhost:8080/users/3/reservations

Params

Authorization

Headers (8)

Body ●

Pre-request Script

Tests

Settings

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

JSON ▼

1

[ 1, 2, 3 ]

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

1

{

2

"id": 2,

3

"reservation\_group": [ ●

4

{

5

"id": 3, ●

6

"hash": "\$2a\$10\$1QKQT1ntSatxx.HMCVHXzeMSeU6ryxwp88y5wvV8kgnATUba7G0La",

7

"address": "CA",

8

"orderlevel": "GOLD",

9


"orders": [

10

{



## Test: PUT reservation CANCELLED:

PUT 


▼

http://localhost:8080/users/2/reservations/1

Params

Authorization

Headers (8)

**Body **

Pre-request


☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐

```
1 {  
2   ... "status": "CANCELLED"   
3 }
```

Body

Cookies

Headers (4)

Test Results


Pretty


Raw

Preview

Visualize

JSON ▼



```
163     },  
164     ],  
165     "reviews": [],  
166     "userName": "R"  
167   }  
168 ],  
169 "status": "CANCELLED",   
170 "booked": null,  
171 "submitted": {  
172   "year": 2021,
```

## Test: PUT reservation BOOKED:

PUT

▼

http://localhost:8080/users/2/reservations/1

Params

Authorization

Headers (8)

Body ●

Pre-request Script

Tests

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

1

}

2

... "status": "BOOKED" ●

3

}

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

↺

165

"reviews": [],

166

"userName": "c"

167

}

168

],

169

"status": "BOOKED", ●

170

"booked": {

171

"year": 2021,

172

"month": "APRIL",

173

"era": "CE",

174

"dayOfMonth": 16,

## Test DELETE users/1/reservations/4

DELETE

▼

http://localhost:8080/users/1/reservations/4

Params

Authorization

Headers (6)

Body

Pre-request Script

T

▶ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

1

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

Text ▼

1

Successfully deleted reservation with id: 4

## LOGIN TESTING:

First, must create another user:

The screenshot displays a REST client interface for a POST request to `http://localhost:8080/users/register`. The request body is a JSON object with `username: "Sam"` and `password: "Huskiers"`. The response is a JSON object indicating a successful registration with an `id` of 7, a `hash`, and `username: "Sam"`.

**Request:**

```
POST http://localhost:8080/users/register
```

**Body:**

```
{  "username": "Sam",  "password": "Huskiers"}
```

**Response:**

```
{  "id": 7,  "hash": "$2a$10$SBTTluovrxRpv98Ye9U/FuDxavD67P8AAj3I8Hdis5bEHcrL2B0Sw",  "address": null,  "orderlevel": null,  "orders": null,  "reviews": null,  "userName": "Sam"}
```

Test: POST users/login

POST

http://localhost:8080/users/login

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

username

Sam

password

Huskers

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

id

7

hash

\$2a\$10\$SBTTluovixRpv98Ye9U/FuDxavD67P6AAj3I8HdIs5bEHcrL2B0Sw

address

null

orderlevel

null


orders


reviews

userName

Sam

## Test: /users/login BUT w/ incorrect password...



POST  http://localhost:8080/users/login

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

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

```
1 {
2   ... "username": "Sam",
3   ... "password": "Hawkeyes"
4 }
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize Text  

1 Incorrect username or password 