

Screenshots:

- Start the spring boot and below database tables gets generated automatically,

```
mysql> desc admin;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int(11) | NO | PRI | NULL | auto_increment |
| admin_id | varchar(255) | YES | | NULL | |
| admin_pwd | varchar(255) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

```
mysql> desc shoe_users;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int(11) | NO | PRI | NULL | auto_increment |
| address | varchar(255) | YES | | NULL | |
| age   | int(11) | YES | | NULL | |
| city  | varchar(255) | YES | | NULL | |
| contact_no | bigint(20) | YES | | NULL | |
| country | varchar(255) | YES | | NULL | |
| fname | varchar(255) | YES | | NULL | |
| lname | varchar(255) | YES | | NULL | |
| zipcode | bigint(20) | YES | | NULL | |
| state | varchar(255) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.03 sec)
```

```
mysql> desc shoe_category;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
name	varchar(255)	YES		NULL	

2 rows in set (0.01 sec)

```
mysql> desc shoe_product;
```

Field	Type	Null	Key	Default	Extra
product_id	int(11)	NO	PRI	NULL	auto_increment
color	varchar(255)	YES		NULL	
created_date	varchar(255)	YES		NULL	
discount	varchar(255)	YES		NULL	
name	varchar(255)	YES		NULL	
price	float	YES		NULL	
quantity	int(11)	YES		NULL	
season	varchar(255)	YES		NULL	
shoetype	varchar(255)	YES		NULL	
category_id	int(11)	YES	MUL	NULL	

10 rows in set (0.01 sec)

```
mysql>
```

```
mysql> desc purchase_items;
```

Field	Type	Null	Key	Default	Extra
purchase_id	bigint(20)	NO	PRI	NULL	
cust_name	varchar(255)	YES		NULL	
prod_category	varchar(255)	YES		NULL	
product_id	bigint(20)	YES		NULL	
purchase_date	varchar(255)	YES		NULL	
quantity	int(11)	YES		NULL	
user_id	bigint(20)	YES		NULL	
vendor_name	varchar(255)	YES		NULL	

8 rows in set (0.00 sec)

- Add admin in the system,

```
{
  "adminId": "Kala",
  "pwd": "Kala123"
}
```

<http://localhost:8080/Admin/addadmin>

POST ⌵ <http://localhost:8080/Admin/addadmin>

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

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

```
1 {
2   "adminId": "Kala",
3   "pwd": "Kala123"
4 }
```

Body Cookies Headers (3) Test Results

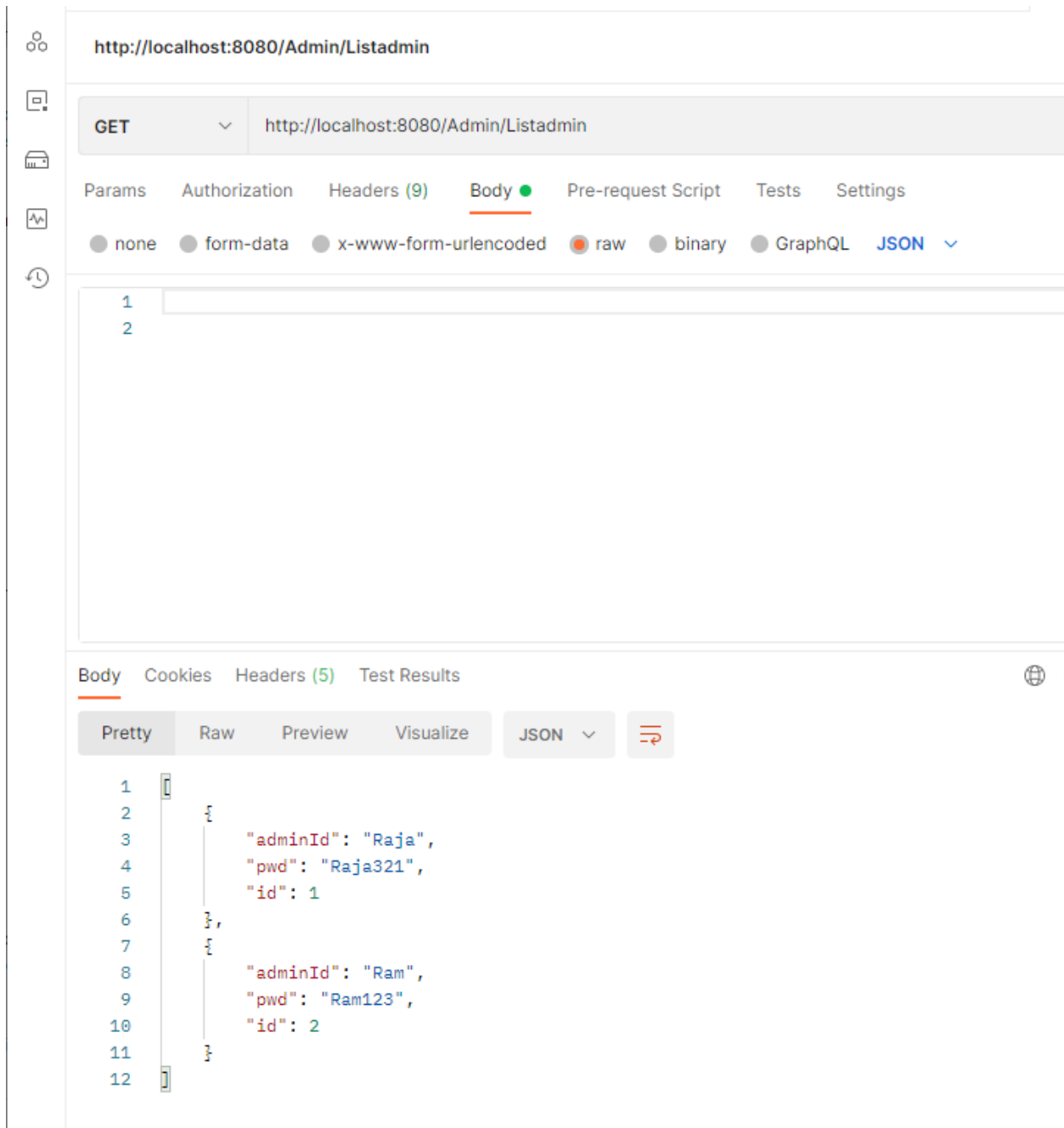
Pretty Raw Preview Visualize **JSON** ⌵ ≡

```
1 {
2   "adminId": "Kala",
3   "pwd": "Kala123",
4   "id": 3
5 }
```

```
mysql> select * from admin;
+----+-----+-----+
| id | admin_id | admin_pwd |
+----+-----+-----+
| 1  | Raja    | Raja123  |
| 2  | Kalai   | Kalai123 |
| 3  | Kala    | Kala123  |
+----+-----+-----+
3 rows in set (0.01 sec)

mysql> _
```

- List of admins registered in the system,



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

- URL Bar:** `http://localhost:8080/Admin/Listadmin`
- Method:** `GET`
- Body Type:** `JSON` (selected from a dropdown menu)
- Response Body:** A JSON array containing two admin objects.

```
1 [{"adminId": "Raja",
2   "pwd": "Raja321",
3   "id": 1},
4   {"adminId": "Ram",
5     "pwd": "Ram123",
6     "id": 2}]
```

- Get specific admin in the system

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

- URL:** `http://localhost:8080/Admin/admin/1`
- Method:** `GET`
- Body:** `1`
- Response:** Status: 200 OK, Time: 51 ms, Size: 205 B. The response body is a JSON object:

```
{  "adminId": "Raja",  "pwd": "Raja123",  "id": 1}
```

- Update specific admin in the system

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

- URL:** `http://localhost:8080/Admin/update/1`
- Method:** `PUT`
- Body:** A JSON object:

```
{  "id": 1,  "adminId": "Raja",  "pwd": "Raja321"}
```
- Response:** Status: 200 OK, Time: 480 ms, Size: 205 B. The response body is a JSON object:

```
{  "adminId": "Raja",  "pwd": "Raja321",  "id": 1}
```

```
mysql> select * from admin;
+----+-----+-----+
| id | admin_id | admin_pwd |
+----+-----+-----+
| 1  | Raja    | Raja321  |
| 2  | Namu    | Namu123  |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql>
mysql>
mysql>
```

- Add category in the system

```
{
  "name": "Puma"
}
```

http://localhost:8080/Admin/addcategory

POST http://localhost:8080/Admin/addcategory

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

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

```

1 {
2   "name": "Puma"
3 }
4
5

```

Body Cookies Headers (5) Test Results Status: 200 OK

Pretty Raw Preview Visualize JSON

```

1 {
2   "category_Id": 1,
3   "name": "Puma",
4   "products": []
5 }

```

```
mysql>
mysql>
mysql>
mysql> select * from shoe_category;
+----+-----+
| id | name  |
+----+-----+
| 1  | Puma  |
| 2  | Adidas|
| 3  | Sketchers|
+----+-----+
3 rows in set (0.00 sec)

mysql>
```

- Delete category in the system

http://localhost:8080/Admin/deletecategory/2

DELETE

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

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

1

2

Body Cookies Headers (4) Test Results 🌐 Status: 200 OK

Pretty Raw Preview Visualize **Text**

1

```
mysql> select * from shoe_category;
+----+-----+
| id | name  |
+----+-----+
| 1  | Puma  |
| 3  | Sketchers|
+----+-----+
2 rows in set (0.00 sec)

mysql> _
```

- Update category in the system

<http://localhost:8080/Admin/updatecategory/3>

PUT

▼

http://localhost:8080/Admin/updatecategory/3

ParamsAuthorizationHeaders (9)Body●Pre-request ScriptTestsSetti

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

1

2

3

4

5

```
{
  "category_Id": 3,
  "name": "Sketchers Remo"
}
```

BodyCookiesHeaders (5)Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

↻

1

2

3

4

5

```
{
  "category_Id": 3,
  "name": "Sketchers Remo",
  "products": []
}
```

```
mysql> select * from shoe_category;
+----+-----+
| id | name      |
+----+-----+
| 1  | Puma      |
| 3  | Sketchers Remo |
+----+-----+
```


- List categories in the system

<http://localhost:8080/Admin/Listcategory>

GET

▼

http://localhost:8080/Admin/Listcategory

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

JSON ▼

1

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON ▼

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4

"name": "Puma",

5

"products": [

6

{

7

"productId": 3,

8

"name": "Summer Shoes",

9

"season": "Summer",

10

"shoetype": "Female",

11

"price": 50.0,

12

"color": "Blue",

13

"createdDate": "2022-01-29",

14

"discount": "7%",

15

"quantity": 400

16

},

17

{

18

"productId": 4,

19

"name": "Summer Shoes",

20

"season": "Summer",

21

"shoetype": "Male",

22

"price": 70.0,

23

"color": "Brown",

24

"createdDate": "2022-01-29",

25

"discount": "7%",

26

"quantity": 200

27

}

28

]

29

},

```
30     {
31         "categoryId": 3,
32         "name": "Sketchers Remo",
33         "products": []
34     },
35     {
36         "categoryId": 6,
37         "name": "Sketchers Remo",
38         "products": []
39     },
40     {
41         "categoryId": 7,
42         "name": "Sketchers Remo",
43         "products": []
44     },
45     {
46         "categoryId": 8,
47         "name": "Addidas",
48         "products": []
49     }
50 ]
```

- Get specific category in the system

GET

▼

http://localhost:8080/Admin/category/1

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

JS

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BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualize

JSON ▼

≡

```
1  {
2    "categoryId": 1,
3    "name": "Puma",
4    "products": [
5      {
6        "productId": 3,
7        "name": "Summer Shoes",
8        "season": "Summer",
9        "shoetype": "Female",
10       "price": 50.0,
11       "color": "Blue",
12       "createdDate": "2022-01-29",
13       "discount": "7%",
14       "quantity": 400
15     },
16     {
17       "productId": 4,
18       "name": "Summer Shoes",
19       "season": "Summer",
20       "shoetype": "Male",
21       "price": 70.0,
22       "color": "Brown",
23       "createdDate": "2022-01-29",
24       "discount": "7%",
25       "quantity": 200
26     }
27   ]
28 }
```

- Add product in the system

```
{
  "category": {"category_Id":2},
  "color": "White",
  "discount": "10%",
  "name": "Rain Shoes",
  "price": 50,
  "quantity": 500,
  "season": "Rainy",
  "shoetype": "Male"
}
```

The screenshot displays a REST client interface with the following components:

- URL Bar:** `http://localhost:8080/Admin/addproduct`
- Method and URL:** **POST** `http://localhost:8080/Admin/addproduct`
- Body Tab:** Selected, showing the request body in JSON format:

```
1 {
2   "category": {"category_Id":2},
3   "color": "White",
4   "discount": "10%",
5   "name": "Rain Shoes",
6   "price": 50,
7   "quantity": 500,
8   "season": "Rainy",
9   "shoetype": "Male"
10 }
11
12
```
- Response Tab:** Selected, showing the response body in JSON format:

```
1 {
2   "productId": 1,
3   "name": "Rain Shoes",
4   "season": "Rainy",
5   "shoetype": "Male",
6   "price": 50.0,
7   "color": "White",
8   "createdDate": "2022-01-29",
9   "discount": "10%",
10  "quantity": 500
11 }
```
- Status:** **Status: 200 OK**

- List products in the system

<http://localhost:8080/Admin/Listproducts>

GET

⌵

http://localhost:8080/Admin/Listproducts

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

⌵

1

BodyCookiesHeaders (3)Test Results

PrettyRawPreviewVisualizeJSON⌵⌵

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{

"productId": 3,

"name": "Summer Shoes",

"season": "Summer",

"shoetype": "Female",

"price": 50.0,

"color": "Blue",

"createdDate": "2022-01-29",

"discount": "7%",

"quantity": 400

},

{

"productId": 4,

"name": "Summer Shoes",

"season": "Summer",

"shoetype": "Male",

"price": 70.0,

"color": "Brown",

"createdDate": "2022-01-29",

"discount": "7%",

"quantity": 200

}

-
- The screenshot displays the Swagger UI for a REST API. At the top, the URL `http://localhost:8080/Admin/deleteproduct/6` is shown. Below this, a dropdown menu is set to `DELETE`. The main configuration bar includes tabs for `Params`, `Authorization`, `Headers (7)`, `Body` (which is currently selected and underlined), `Pre-request Script`, `Tests`, and `Settings`. Under the `Body` tab, there are radio buttons for `none`, `form-data`, `x-www-form-urlencoded`, `raw` (which is selected and has a red dot), `binary`, and `GraphQL`. To the right of these is a `JSON` button with a dropdown arrow. The main area below the tabs is a large text editor with a line number `1` on the left. At the bottom of the interface, there are tabs for `Body` (selected), `Cookies`, `Headers (4)`, and `Test Results`. To the right of these tabs is a globe icon and the text `Status: 200 OK`. Below the tabs, there are buttons for `Pretty`, `Raw`, `Preview`, `Visualize`, and a `Text` dropdown menu. A red icon resembling a notepad is also visible. The bottom-most part of the interface shows a line number `1`.

```
mysql>
mysql> select * from shoe_product;
```

product_id	color	created_date	discount	name	price	quantity	season	shoetype	category_id
1	White	2022-01-29	10%	Rain Shoes	50	500	Rainy	Male	2
2	Blue	2022-01-29	10%	Rain Shoes	70	300	Rainy	Female	2
3	Blue	2022-01-29	7%	Summer Shoes	50	400	Summer	Female	1
4	Brown	2022-01-29	7%	Summer Shoes	70	200	Summer	Male	1
5	Blue	2022-01-29	8%	Winter Shoes	100	600	Winter	Male	3
6	Blue	2022-01-29	8%	Winter Shoes	150	300	Winter	Female	3

```
6 rows in set (0.00 sec)

mysql>
mysql>
mysql>
mysql>
mysql>
mysql> select * from shoe_product;
```

product_id	color	created_date	discount	name	price	quantity	season	shoetype	category_id
1	White	2022-01-29	10%	Rain Shoes	50	500	Rainy	Male	2
2	Blue	2022-01-29	10%	Rain Shoes	70	300	Rainy	Female	2
3	Blue	2022-01-29	7%	Summer Shoes	50	400	Summer	Female	1
4	Brown	2022-01-29	7%	Summer Shoes	70	200	Summer	Male	1
5	Blue	2022-01-29	8%	Winter Shoes	100	600	Winter	Male	3

```
5 rows in set (0.00 sec)

mysql>
```

- Update product in the system

```
{
  "category": {"category_Id":2},
  "color": "White",
  "discount": "8%",
  "name": "Rain Shoes",
  "price": 90,
  "quantity": 50,
  "season": "Rainy",
  "shoetype": "Male"
}
```


http://localhost:8080/Admin/updateproduct/1


PUT http://localhost:8080/Admin/updateproduct/1

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

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

```
1 {
2   "category": {"category_Id":2},
3   "color": "White",
4   "discount": "8%",
5   "name": "Rain Shoes",
6   "price": 90,
7   "quantity": 50,
8   "season": "Rainy",
9   "shoetype": "Male"
10 }
11 }
12
```

Body Cookies Headers (5) Test Results  Status: 200 OK

Pretty Raw Preview Visualize JSON 

```
1 {
2   "productId": 1,
3   "name": "Rain Shoes",
4   "season": "Rainy",
5   "shoetype": "Male",
6   "price": 90.0,
7   "color": "White",
8   "createdDate": "2022-01-29",
9   "discount": "8%",
10  "quantity": 50
11 }
```



```
mysql> select * from shoe_product;
```

product_id	color	created_date	discount	name	price	quantity	season	shoetype	category_id
1	White	2022-01-29	10%	Rain Shoes	50	500	Rainy	Male	2
2	Blue	2022-01-29	10%	Rain Shoes	70	300	Rainy	Female	2
3	Blue	2022-01-29	7%	Summer Shoes	50	400	Summer	Female	1
4	Brown	2022-01-29	7%	Summer Shoes	70	200	Summer	Male	1
5	Blue	2022-01-29	8%	Winter Shoes	100	600	Winter	Male	3

```
5 rows in set (0.00 sec)
```

```
mysql> select * from shoe_product;
```

product_id	color	created_date	discount	name	price	quantity	season	shoetype	category_id
1	White	2022-01-29	8%	Rain Shoes	90	50	Rainy	Male	2
2	Blue	2022-01-29	10%	Rain Shoes	70	300	Rainy	Female	2
3	Blue	2022-01-29	7%	Summer Shoes	50	400	Summer	Female	1
4	Brown	2022-01-29	7%	Summer Shoes	70	200	Summer	Male	1
5	Blue	2022-01-29	8%	Winter Shoes	100	600	Winter	Male	3

```
5 rows in set (0.00 sec)
```

```
mysql>
```

- Get specific product in the system

http://localhost:8080/Admin/product/4

GET http://localhost:8080/Admin/product/4

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

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

1
2

Body Cookies Headers (5) Test Results Status: 200 OK

Pretty Raw Preview Visualize JSON

```

1  {
2    "productId": 4,
3    "name": "Summer Shoes",
4    "season": "Summer",
5    "shoetype": "Male",
6    "price": 70.0,
7    "color": "Brown",
8    "createdDate": "2022-01-29",
9    "discount": "7%",
10   "quantity": 200
11 }
```

- Get product by category in the system

GET

http://localhost:8080/Admin/prodcategory/1

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 (3)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
2      {
3        "categoryId": 1,
4        "name": "Puma",
5        "products": [
6          {
7            "productId": 4,
8            "name": "Summer Shoes",
9            "season": "Summer",
10           "shoetype": "Male",
11           "price": 70.0,
12           "color": "Brown",
13           "createdDate": "2022-01-29",
14           "discount": "7%",
15           "quantity": 200
16         },
17         {
18           "productId": 3,
19           "name": "Summer Shoes",
20           "season": "Summer",
21           "shoetype": "Female",
22           "price": 50.0,
23           "color": "Blue",
24           "createdDate": "2022-01-29",
25           "discount": "7%",
26           "quantity": 400
27         }
28       ]
29     }
30   ]
```

- Get product by season in the system

http://localhost:8080/Admin/prodseason/Summer

GET

http://localhost:8080/Admin/prodseason/Summer

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

BodyCookiesHeaders (5)Test Results

Status: 200 OK

Pretty

Raw

Preview

Visualize

JSON

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4

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{

"productId": 3,

"name": "Summer Shoes",

"season": "Summer",

"shoetype": "Female",

"price": 50.0,

"color": "Blue",

"createdDate": "2022-01-29",

"discount": "7%",

"quantity": 400

}

,

{

"productId": 4,

"name": "Summer Shoes",

"season": "Summer",

"shoetype": "Male",

"price": 70.0,

"color": "Brown",

"createdDate": "2022-01-29",

"discount": "7%",

"quantity": 200

}

- Get product by shoe type in the system

GET

http://localhost:8080/Admin/prodshoetype/Male

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

Body

Cookies

Headers (5)

Test Results

Status: 200 OK

Pretty

Raw

Preview

Visualize

JSON

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3

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```
{
  "productId": 1,
  "name": "Rain Shoes",
  "season": "Rainy",
  "shoetype": "Male",
  "price": 90.0,
  "color": "White",
  "createdDate": "2022-01-29",
  "discount": "8%",
  "quantity": 50
},
{
  "productId": 4,
  "name": "Summer Shoes",
  "season": "Summer",
  "shoetype": "Male",
  "price": 70.0,
  "color": "Brown",
  "createdDate": "2022-01-29",
  "discount": "7%",
  "quantity": 200
},
{
  "productId": 5,
  "name": "Winter Shoes",
  "season": "Winter",
  "shoetype": "Male",
  "price": 100.0,
  "color": "Blue",
  "createdDate": "2022-01-29",
  "discount": "8%",
  "quantity": 600
}
```

Find and Replace

Console

- Get product by price in the system

<http://localhost:8080/Admin/prodprice/100>

GET



<http://localhost:8080/Admin/prodprice/100>

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings



none



form-data



x-www-form-urlencoded



raw



binary



GraphQL

JSON



1

2

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON



```
1  [
2    {
3      "productId": 5,
4      "name": "Winter Shoes",
5      "season": "Winter",
6      "shoetype": "Male",
7      "price": 100.0,
8      "color": "Blue",
9      "createdDate": "2022-01-29",
10     "discount": "8%",
11     "quantity": 600
12   }
13 ]
```

- Get product by color in the system

GET

▼

http://localhost:8080/Admin/prodcolor/Blue

ParamsAuthorizationHeaders (9)Body●Pre-request ScriptTestsS

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

1

2

BodyCookiesHeaders (5)Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

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23

{

"productId": 2,

"name": "Rain Shoes",

"season": "Rainy",

"shoetype": "Female",

"price": 70.0,

"color": "Blue",

"createdDate": "2022-01-29",

"discount": "10%",

"quantity": 300

}

,

{

"productId": 3,

"name": "Summer Shoes",

"season": "Summer",

"shoetype": "Female",

"price": 50.0,

"color": "Blue",

"createdDate": "2022-01-29",

"discount": "7%",

"quantity": 400

}

,

```

24     {
25         "productId": 5,
26         "name": "Winter Shoes",
27         "season": "Winter",
28         "shoetype": "Male",
29         "price": 100.0,
30         "color": "Blue",
31         "createdDate": "2022-01-29",
32         "discount": "8%",
33         "quantity": 600
34     }
35 }

```

Find and Replace Console

- Get product by creation date in the system

<http://localhost:8080/Admin/proddate/2022-01-29>

GET

http://localhost:8080/Admin/proddate/2022-01-29

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```

1  [
2    {
3      "productId": 1,
4      "name": "Rain Shoes",
5      "season": "Rainy",
6      "shoetype": "Male",
7      "price": 90.0,
8      "color": "White",
9      "createdDate": "2022-01-29",
10     "discount": "8%",
11     "quantity": 50
12   },
13   {
14     "productId": 2,
15     "name": "Rain Shoes",
16     "season": "Rainy",
17     "shoetype": "Female",
18     "price": 70.0,
19     "color": "Blue",
20     "createdDate": "2022-01-29",
21     "discount": "10%",
22     "quantity": 300
23   },

```

```
24     {
25         "productId": 3,
26         "name": "Summer Shoes",
27         "season": "Summer",
28         "shoetype": "Female",
29         "price": 50.0,
30         "color": "Blue",
31         "createdDate": "2022-01-29",
32         "discount": "7%",
33         "quantity": 400
34     },
35     {
36         "productId": 4,
37         "name": "Summer Shoes",
38         "season": "Summer",
39         "shoetype": "Male",
40         "price": 70.0,
41         "color": "Brown",
42         "createdDate": "2022-01-29",
43         "discount": "7%",
44         "quantity": 200
45     },
46     {
47         "productId": 5,
48         "name": "Winter Shoes",
49         "season": "Winter",
50         "shoetype": "Male",
51         "price": 100.0,
52         "color": "Blue",
53         "createdDate": "2022-01-29",
54         "discount": "8%",
55         "quantity": 600
56     }
57 ]
```

Find and Replace

Console

- Add users in the system

```
{
  "fname": "Raja",
  "lname": "Kumaran",
  "address": "415 Hopestone Terrace",
  "city": "Chantilly",
  "country": "USA",
  "state": "Virginia",
  "zipcode": 62256,
  "contact_no": 3018953654,
  "age": 50
}
{
  "fname": "Kalai",
  "lname": "Vani",
  "address": "125 Springhurst Terrace",
  "city": "Washington",
  "zipcode": 45879,
  "state": "DC",
  "country": "USA",
  "age": 35,
  "contact_no": 9451841236,
}
```

http://localhost:8080/Admin/addusers

POST http://localhost:8080/Admin/addusers

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

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

```
1  {
2    "fname": "Kalai",
3    "lname": "Vani",
4    "address": "125 Springhurst Terrace",
5    "city": "Washington",
6    "country": "USA",
7    "state": "DC",
8    "zipcode": 45879,
9    "contact_no": 9451841236,
10   "age": 35
11 }
12
```

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize

JSON



```
1  {
2    "fname": "Kalai",
3    "lname": "Vani",
4    "address": "125 Springhurst Terrace",
5    "city": "Washington",
6    "zipcode": 45879,
7    "state": "DC",
8    "country": "USA",
9    "age": 35,
10   "contact_no": 9451841236,
11   "id": 6
12 }
```

```
mysql> select * from shoe_users;
```

id	address	age	city	contact_no	country	fname	lname	zipcode	state
1	415 Hopestone Terrace	50	Chantilly	3018953654	USA	Raja	Kumaran	62256	Missouri
2	541 Mikeway Terrace	29	St loius	6259841236	USA	Ram	Sharma	78945	Virginia
3	895 Enclave Terrace	36	Herndon	1459841236	USA	Vijay	Srinivas	45612	Maryland
4	895 Enclave Terrace	36	Herndon	1459841236	USA	Vijay	Srinivas	45612	Maryland
5	789 Springhurst Terrace	31	Washington	9659841236	USA	Revathy	Srinivas	45879	Missouri
6	125 Springhurst Terrace	35	Washington	9451841236	USA	Kalai	Vani	45879	DC

```
6 rows in set (0.00 sec)
```

- List users in the system

<http://localhost:8080/Admin/listusers>

GET

<http://localhost:8080/Admin/listusers>

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● Gr

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON

⌵

```
1  [
2    {
3      "fname": "Raja",
4      "lname": "Kumaran",
5      "address": "415 Hopestone Terrace",
6      "city": "Chantilly",
7      "zipcode": 62256,
8      "state": "Missouri",
9      "country": "USA",
10     "age": 50,
11     "contact_no": 3018953654,
12     "id": 1
13   },
14   {
15     "fname": "Ram",
16     "lname": "Sharma",
17     "address": "541 Mikeway Terrace",
18     "city": "St loius",
19     "zipcode": 78945,
20     "state": "Virginia",
21     "country": "USA",
22     "age": 29,
23     "contact_no": 6259841236,
24     "id": 2
25   },
```

```
26     {
27         "fname": "Vijay",
28         "lname": "Srinivas",
29         "address": "895 Enclave Terrace",
30         "city": "Herndon",
31         "zipcode": 45612,
32         "state": "Maryland",
33         "country": "USA",
34         "age": 36,
35         "contact_no": 1459841236,
36         "id": 3
37     },
38     {
39         "fname": "Vijay",
40         "lname": "Srinivas",
41         "address": "895 Enclave Terrace",
42         "city": "Herndon",
43         "zipcode": 45612,
44         "state": "Maryland",
45         "country": "USA",
46         "age": 36,
47         "contact_no": 1459841236,
48         "id": 4
49     },
50     {
51         "fname": "Revathy",
52         "lname": "Srinivas",
53         "address": "789 Springhurst Terrace",
54         "city": "Washington",
55         "zipcode": 45879,
56         "state": "Missouri",
57         "country": "USA",
58         "age": 31,
59         "contact_no": 9659841236,
60         "id": 5
61     },
62     {
63         "fname": "Kalai",
64         "lname": "Vani",
65         "address": "125 Springhurst Terrace",
66         "city": "Washington",
67         "zipcode": 45879,
68         "state": "DC",
69         "country": "USA",
70         "age": 35,
71         "contact_no": 9451841236,
72         "id": 6
73     }
74 ]
```

- Update users in the system

```
{
  "id":1,
  "fname": "Raja",
  "lname": "Kumaran",
  "address": "415 Hopestone Terrace",
  "city": "Chantilly",
  "country": "USA",
  "state": "Virginia",
  "zipcode": 62256,
  "contact_no": 6012356987,
  "age": 50
}
```

http://localhost:8080/Admin/updateuser/1

PUT http://localhost:8080/Admin/updateuser/1

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

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

```
1  {
2    "id":1,
3    "fname": "Raja",
4    "lname": "Kumaran",
5    "address": "415 Hopestone Terrace",
6    "city": "Chantilly",
7    "country": "USA",
8    "state": "Virginia",
9    "zipcode": 62256,
10   "contact_no": 6012356987,
11   "age": 50
12 }
```

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```
1  {
2    "fname": "Raja",
3    "lname": "Kumaran",
4    "address": "415 Hopestone Terrace",
5    "city": "Chantilly",
6    "zipcode": 62256,
7    "state": "Virginia",
8    "country": "USA",
9    "age": 50,
10   "contact_no": 6012356987,
11   "id": 1
12 }
```

```
mysql> select * from shoe_users;
```

id	address	age	city	contact_no	country	fname	lname	state	zipcode
1	415 Hopestone Terrace	50	Chantilly	6012356987	USA	Raja	Kumaran	Virginia	62256
2	125 Springhurst Terrace	35	Washington	5647894561	USA	Kalai	Vani	DC	45879

- Get specific user in the system

<http://localhost:8080/Admin/user/1>

GET

<http://localhost:8080/Admin/user/1>

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 (3) Test Results

Pretty

Raw

Preview

Visualize

JSON

```

1  {
2    "fname": "Raja",
3    "lname": "Kumaran",
4    "address": "415 Hopestone Terrace",
5    "city": "Chantilly",
6    "zipcode": 62256,
7    "state": "Virginia",
8    "country": "USA",
9    "age": 50,
10   "contact_no": 6012356987,
11   "id": 1
12 }
```

- The screenshot shows the REST Client interface. At the top, the URL bar displays 'http://localhost:8080/Admin/deleteuser/3'. Below it, a dropdown menu is set to 'DELETE'. The request body is empty. The 'Headers' tab is selected, showing 7 headers. The 'Body' tab is also visible. The 'Tests' tab is selected, showing 1 test. The 'Settings' tab is also visible. The response status is '200 OK'.

```
mysql> select * from shoe_users;
```

id	address	age	city	contact_no	country	fname	lname	state	zipcode
1	415 Hopestone Terrace	50	Chantilly	6012356987	USA	Raja	Kumaran	Virginia	62256
2	125 Springhurst Terrace	35	Washington	5647894561	USA	Kalai	Vani	DC	45879
3	125 Springhurst Terrace	35	Washington	5647894561	USA	Kalai	Vani	DC	45879

```
3 rows in set (0.00 sec)
```

```
mysql> select * from shoe_users;
```

id	address	age	city	contact_no	country	fname	lname	state	zipcode
1	415 Hopestone Terrace	50	Chantilly	6012356987	USA	Raja	Kumaran	Virginia	62256
2	125 Springhurst Terrace	35	Washington	5647894561	USA	Kalai	Vani	DC	45879


```
2 rows in set (0.00 sec)
```


```
mysql>
```








- Add purchase items in the system

```
{
  "custName": "Kalai Vani",
  "prodCategory": 1,
  "productId": 1,
  "quantity": 75,
  "purchaseDate": "2022-01-29",
  "userId": 1,
  "vendorName": "SportyShoes Inc"
}
```

<http://localhost:8080/Admin/addpurchaseitem>



POST  <http://localhost:8080/Admin/addpurchaseitem>

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

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

```
1  {
2    "purchaseId": 11001231,
3    "custName": "Kalai Vani",
4    "prodCategory": 1,
5    "productId": 1,
6    "vendorName": "SportyShoes Inc",
7    "quantity": 2,
8    "purchaseDate": "2022-01-29",
9    "userId": 1
10 }
11
```

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize **JSON**  

```
1  {
2    "purchaseId": 11001231,
3    "productId": 1,
4    "userId": 1,
5    "prodCategory": "1",
6    "purchaseDate": "2022-01-29",
7    "vendorName": "SportyShoes Inc",
8    "custName": "Kalai Vani",
9    "quantity": 2
10 }
```



```
mysql> select * from purchase_items;
```

purchase_id	cust_name	prod_category	product_id	purchase_date	quantity	user_id	vendor_name
11001231	Kalai Vani	1	1	2022-01-29	2	1	SportyShoes Inc
11001232	Kalai Vani	2	2	2022-01-30	4	1	SportyShoes Inc
11001233	Kalai Vani	1	4	2022-01-29	7	1	SportyShoes Inc

```
3 rows in set (0.00 sec)

mysql>
```

- Delete purchase items in the system

http://localhost:8080/Admin/deletepurchase/11001233

DELETE ▼ http://localhost:8080/Admin/deletepurchase/11001233

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

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

1
2

Body Cookies Headers (4) Test Results 🌐 Status: 200 OK

Pretty Raw Preview Visualize Text ▼ ↻

1

```
mysql> select * from purchase_items;
```

purchase_id	cust_name	prod_category	product_id	purchase_date	quantity	user_id	vendor_name
11001231	Kalai Vani	1	1	2022-01-29	2	1	SportyShoes Inc
11001232	Kalai Vani	2	2	2022-01-30	4	1	SportyShoes Inc
11001233	Kalai Vani	1	4	2022-01-29	7	1	SportyShoes Inc

```
(3 rows in set (0.00 sec))


mysql> select * from purchase_items;
```


purchase_id	cust_name	prod_category	product_id	purchase_date	quantity	user_id	vendor_name
11001231	Kalai Vani	1	1	2022-01-29	2	1	SportyShoes Inc
11001232	Kalai Vani	2	2	2022-01-30	4	1	SportyShoes Inc

```
2 rows in set (0.00 sec)



mysql>
```

- List purchase items in the system

GET  http://localhost:8080/Admin/listitem

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


Body Cookies Headers (3) Test Results


Pretty Raw Preview Visualize **JSON**  

```
1  [
2    {
3      "purchaseId": 11001231,
4      "productId": 1,
5      "userId": 1,
6      "purchCategory": 2,
7      "purchaseDate": "2022-01-29",
8      "vendorName": "SportyShoes Inc",
9      "custName": "Kalai Vani",
10     "quantity": 75
11   },
12   {
13     "purchaseId": 11001232,
14     "productId": 2,
15     "userId": 1,
16     "purchCategory": 2,
17     "purchaseDate": "2022-01-30",
18     "vendorName": "SportyShoes Inc",
19     "custName": "Kalai Vani",
20     "quantity": 4
21   },
22   {
23     "purchaseId": 11001233,
24     "productId": 2,
25     "userId": 1,
26     "purchCategory": 2,
27     "purchaseDate": "2022-01-29",
28     "vendorName": "SportyShoes Inc",
29     "custName": "Raja Kumaran",
30     "quantity": 7
31   }
32 ]
```

- Get specific purchase item in the system

http://localhost:8080/Admin/purchaseitem/11001233



GET  http://localhost:8080/Admin/purchaseitem/11001233

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

Query Params

	KEY	VALUE
	Key	Value


Body Cookies Headers (3) Test Results


Pretty Raw Preview Visualize **JSON**  







```
1  {
2    "purchaseId": 11001233,
3    "productId": 2,
4    "userId": 1,
5    "purchCategory": 2,
6    "purchaseDate": "2022-01-29",
7    "vendorName": "SportyShoes Inc",
8    "custName": "Raja Kumaran",
9    "quantity": 7
10 }
```

- Update purchase items in the system

<http://localhost:8080/Admin/updatepurchase/11001231>



PUT  <http://localhost:8080/Admin/updatepurchase/11001231>

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

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

```
1  {
2    "custName": "Kalai Vani",
3    "prodCategory": 1,
4    "productId": 1,
5    "vendorName": "SportyShoes Inc",
6    "quantity": 75,
7    "purchaseDate": "2022-01-29",
8    "userId": 1
9  }
10
11
```

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON  

```
1  {
2    "purchaseId": 11001231,
3    "productId": 1,
4    "userId": 1,
5    "prodCategory": 1,
6    "purchaseDate": "2022-01-29",
7    "vendorName": "SportyShoes Inc",
8    "custName": "Kalai Vani",
9    "quantity": 75
10 }
```

```
mysql> select * from purchase_items;
```

purchase_id	cust_name	prod_category	product_id	purchase_date	quantity	user_id	vendor_name
11001231	Kalai Vani	1	1	2022-01-29	75	1	SportyShoes Inc
11001232	Kalai Vani	2	2	2022-01-30	4	1	SportyShoes Inc

```
2 rows in set (0.00 sec)

mysql>
```

- Get purchase items by purchase date in the system

<http://localhost:8080/Admin/purchasedate/2022-01-29>

GET <http://localhost:8080/Admin/purchasedate/2022-01-29>

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

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

1

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```

1  [
2    {
3      "purchaseId": 11001231,
4      "productId": 1,
5      "userId": 1,
6      "prodCategory": 1,
7      "purchaseDate": "2022-01-29",
8      "vendorName": "SportyShoes Inc",
9      "custName": "Kalai Vani",
10     "quantity": 75
11   },
12   {
13     "purchaseId": 11001233,
14     "productId": 2,
15     "userId": 1,
16     "prodCategory": 2,
17     "purchaseDate": "2022-01-29",
18     "vendorName": "SportyShoes Inc",
19     "custName": "Raja Kumaran",
20     "quantity": 7
21   }
22 ]

```

```
mysql> select * from purchase_items;
```

purchase_id	cust_name	prod_category	product_id	purchase_date	quantity	user_id	vendor_name
11001231	Kalai Vani	1	1	2022-01-29	75	1	SportyShoes Inc
11001232	Kalai Vani	2	2	2022-01-30	4	1	SportyShoes Inc
11001233	Raja Kumaran	2	2	2022-01-29	7	1	SportyShoes Inc

```
3 rows in set (0.00 sec)

mysql> 2022-01-29_
```

- Get purchase items by category in the system

GET
http://localhost:8080/Admin/prodpurchase/2

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

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

1

Body
Cookies
Headers (5)
Test Results

Pretty
Raw
Preview
Visualize
JSON

```

1  {
2    {
3      "purchaseId": 11001231,
4      "productId": 1,
5      "userId": 1,
6      "purchCategory": 2,
7      "purchaseDate": "2022-01-29",
8      "vendorName": "SportyShoes Inc",
9      "custName": "Kalai Vani",
10     "quantity": 75
11   },
12   {
13     "purchaseId": 11001232,
14     "productId": 2,
15     "userId": 1,
16     "purchCategory": 2,
17     "purchaseDate": "2022-01-30",
18     "vendorName": "SportyShoes Inc",
19     "custName": "Kalai Vani",
20     "quantity": 4
21   },

```

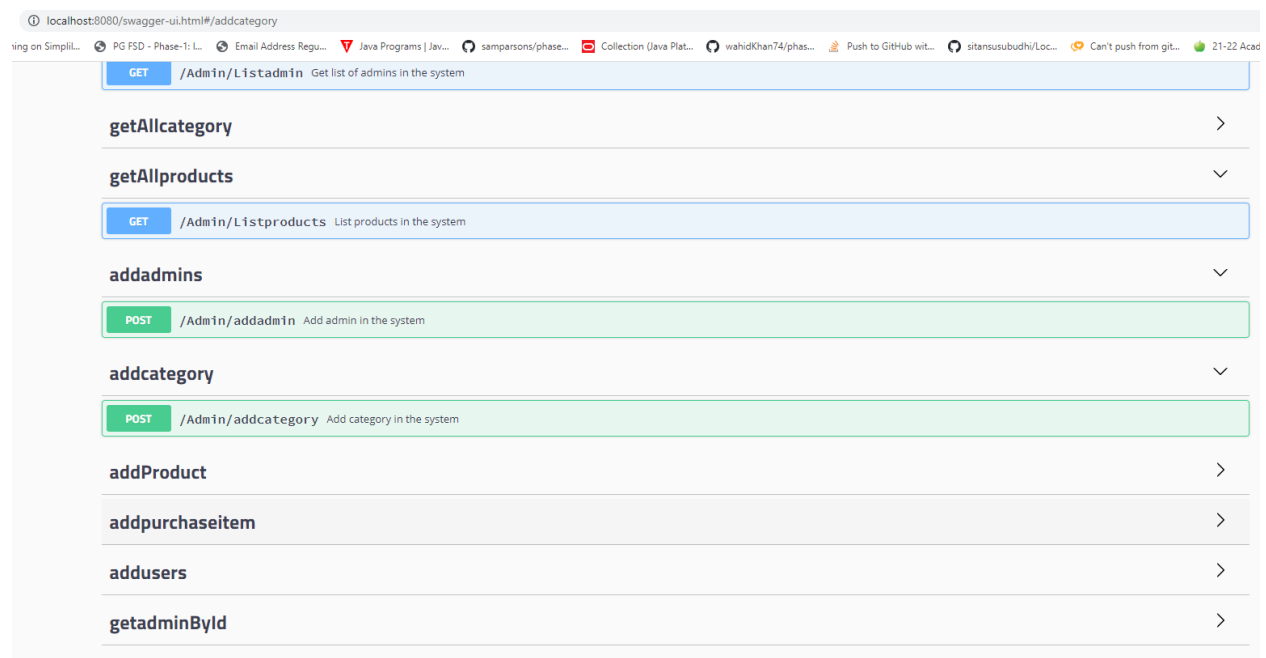
```

22     {
23         "purchaseId": 11001233,
24         "productId": 2,
25         "userId": 1,
26         "purchCategory": 2,
27         "purchaseDate": "2022-01-29",
28         "vendorName": "SportyShoes Inc",
29         "custName": "Raja Kumaran",
30         "quantity": 7
31     }
32 ]

```

Find and Replace Console

Swagger tool,



Pushing the code to GitHub repository

- Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

- Initialize repository using the following command:

git init

- Add all the files to your git repository using the following command:

git add .

- Commit the changes using the following command:

git commit -m <commit message>

- Push the files to the folder you initially created using the following command:

git push -u origin main

Source code for the project available under below repository,

<https://github.com/S-KAVITHA/Phase3-SportyShoes-Project>