

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

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

1

2

3

4

5

BodyCookiesHeaders (3)Test Results

Pretty

Raw

Preview

Visualize

JSON

1

2

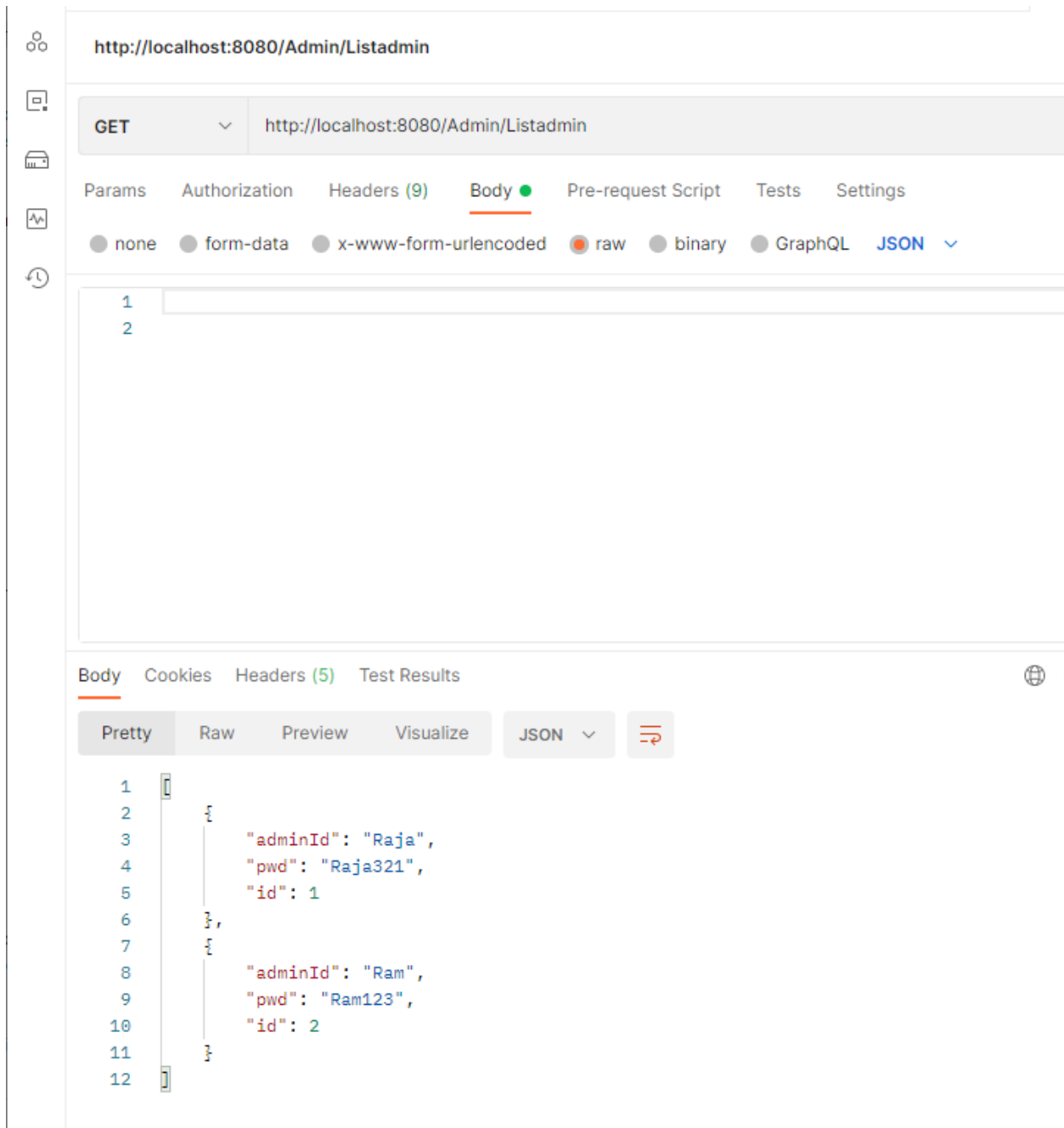
3

4

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 with options: none, form-data, x-www-form-urlencoded, raw, binary, GraphQL, JSON)
- 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  | Nam     | Nam123   |
+----+-----+-----+
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**

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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

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

BodyCookiesHeaders (5)Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

↻

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```
{
  "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

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 ▼

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"name": "Puma",

"products": [

{

"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

}

]

}

```
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

1

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

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http://localhost:8080/Admin/Listproducts

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

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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`, and `Visualize`. To the right of these is a `Text` dropdown menu and a red icon representing a list or menu. At the very bottom, there is 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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```
{
  "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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```
{
  "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 ▼

≡

1

2

3

4

5

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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 }
```

- A screenshot of the REST Client application. The top bar shows the URL 'http://localhost:8080/Admin/deleteuser/3'. Below it, a dropdown menu is set to 'DELETE'. The URL is repeated in the next field. The 'Body' tab is selected, and the 'raw' radio button is chosen. The 'JSON' content type is selected. 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

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

5

6

7

8

9

10

11

1

2

3

4

5

6

7

8

9

10

11

```
{
  "purchaseId": 11001231,
  "custName": "Kalai Vani",
  "prodCategory": 1,
  "productId": 1,
  "vendorName": "SportyShoes Inc",
  "quantity": 2,
  "purchaseDate": "2022-01-29",
  "userId": 1
}
```

BodyCookiesHeaders (5)Test Results

PrettyRawPreviewVisualizeJSON

12345678910

1

2

3

4

5

6

7

8

9

10

```
{
  "purchaseId": 11001231,
  "productId": 1,
  "userId": 1,
  "prodCategory": "1",
  "purchaseDate": "2022-01-29",
  "vendorName": "SportyShoes Inc",
  "custName": "Kalai Vani",
  "quantity": 2
}
```



```
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   },

```

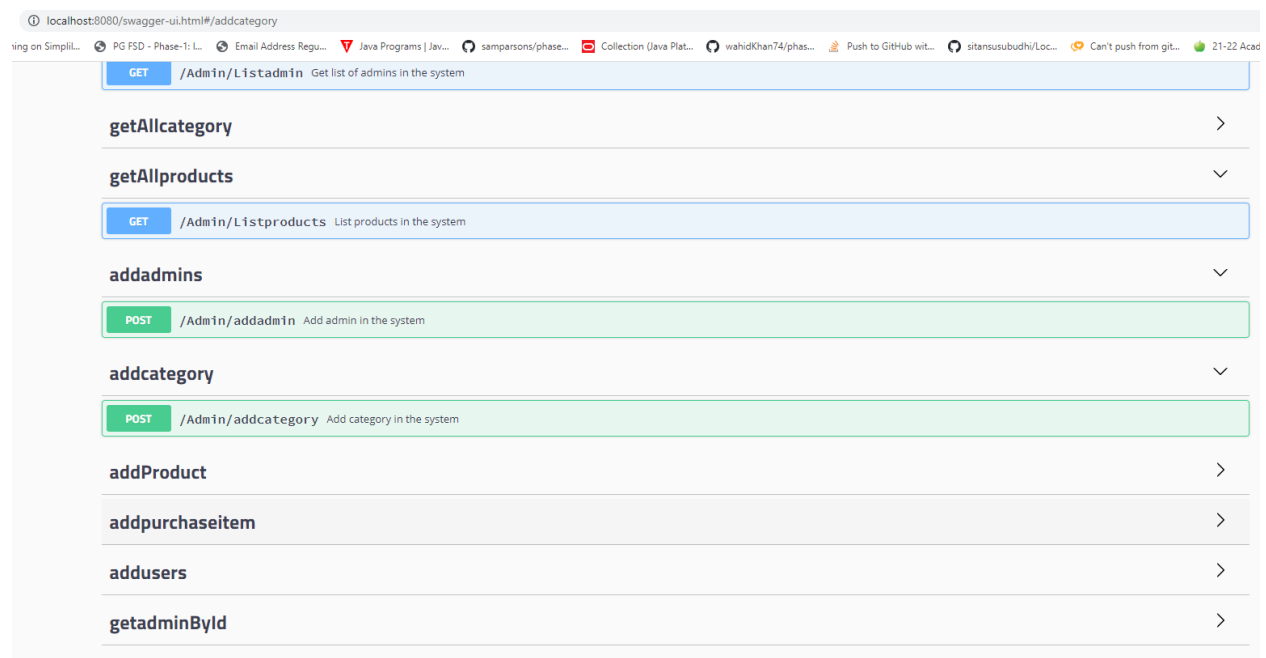
```

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: