Store Application

GitHub repository URL: https://github.com/panagioti5/Store

This is a Java project using Spring, Hibernate framework and h2 database. This project intends to be the back-end for an e-shop system. I created only the minimum fields for testing purposes.

Please keep in mind this project is ongoing and is continuously updated.

This project is able to Create/Update/Delete/Find Customer and Products. In addition, it can create new order with new products or update existing orders with new products.

How to run application:

Using Docker:

1. Open cmd
2. Find docker-compose.yml file under Store project
3. Run 'docker-compose up' docker command to download image from docker hub
4. Application is running on http://localhost:8080/

Using java project:

1. Clone Project from GitHub
2. Build Project
3. Run com.app.store.StoreApplication#main
4. Application is running on http://localhost:8080/

Add the requests to Postman:

1. Open postman
2. File - Import – Upload Files
3. Select “Store.postman_collection.json” this file is under Store project.

Entities:

CUSTOMER contains the customer information details.

SELECT * FROM CUSTOMER;

CUSTOMER_ID	NAME	PHONE	SURNAME
1	John	96785423	Miller
2	Mary	96223313	Arnold
3	Frank	99132315	Lampard

(3 rows, 2 ms)

PRODUCT contains the products details information

```
SELECT * FROM PRODUCT;
```

CID	PRICE	PRODUCT_NAME
4	50.0	Chair
5	39.0	Desk
6	125.0	Fridge
7	250.0	Sofa
8	300.0	TV

(5 rows, 4 ms)

CUSTOMER_ORDERS contains the orders of a customer

```
SELECT * FROM CUSTOMER_ORDERS;
```

ORDER_ID	CUSTOMERID
9	1
12	2
14	2

(3 rows, 2 ms)

PRODUCT_ORDERS contains the products of an order

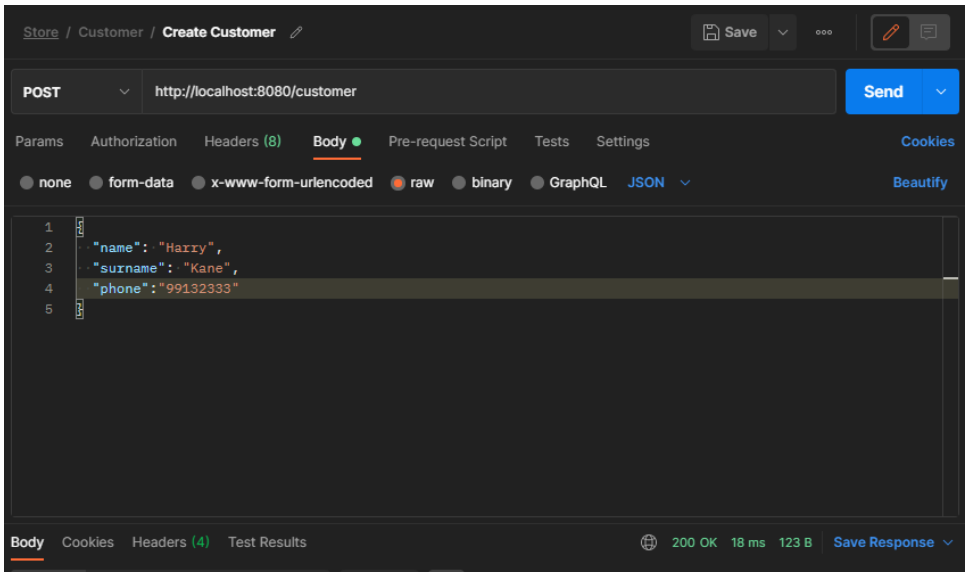
```
SELECT * FROM PRODUCT_ORDERS;
```

ENTRYID	PRODUCTID	ORDER_ID
10	4	9
11	6	9
13	7	12
15	4	14

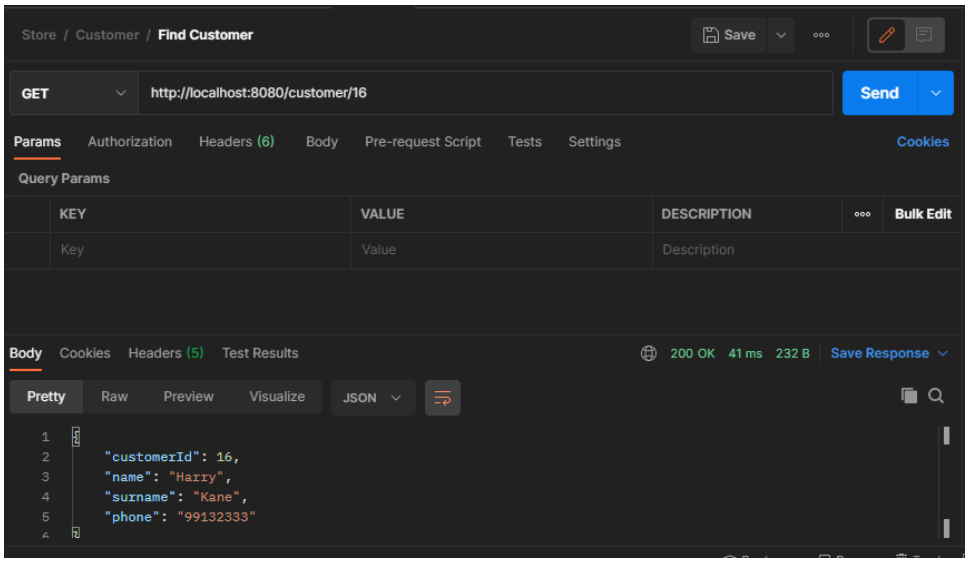
(4 rows, 2 ms)

Some screenshots from postman while invoking the APIs:

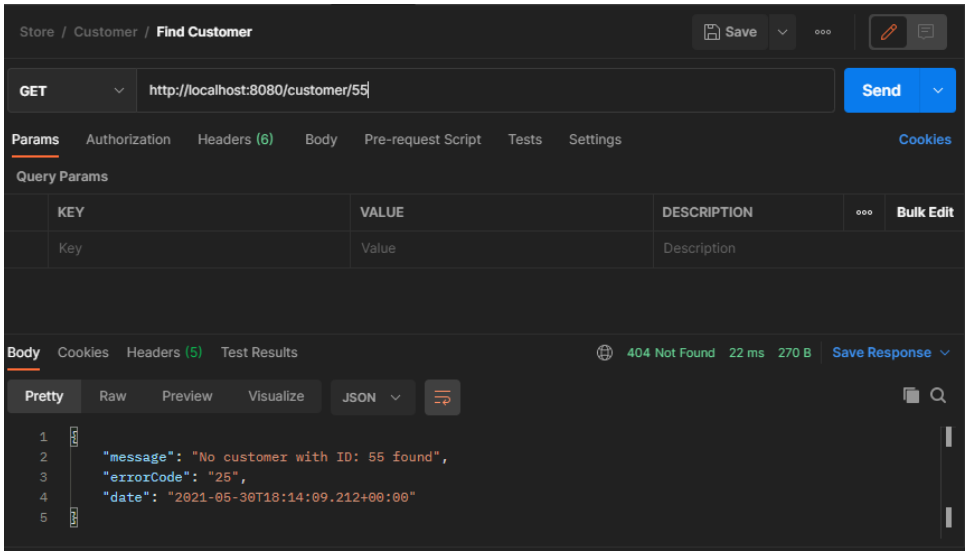
- Create Customer:



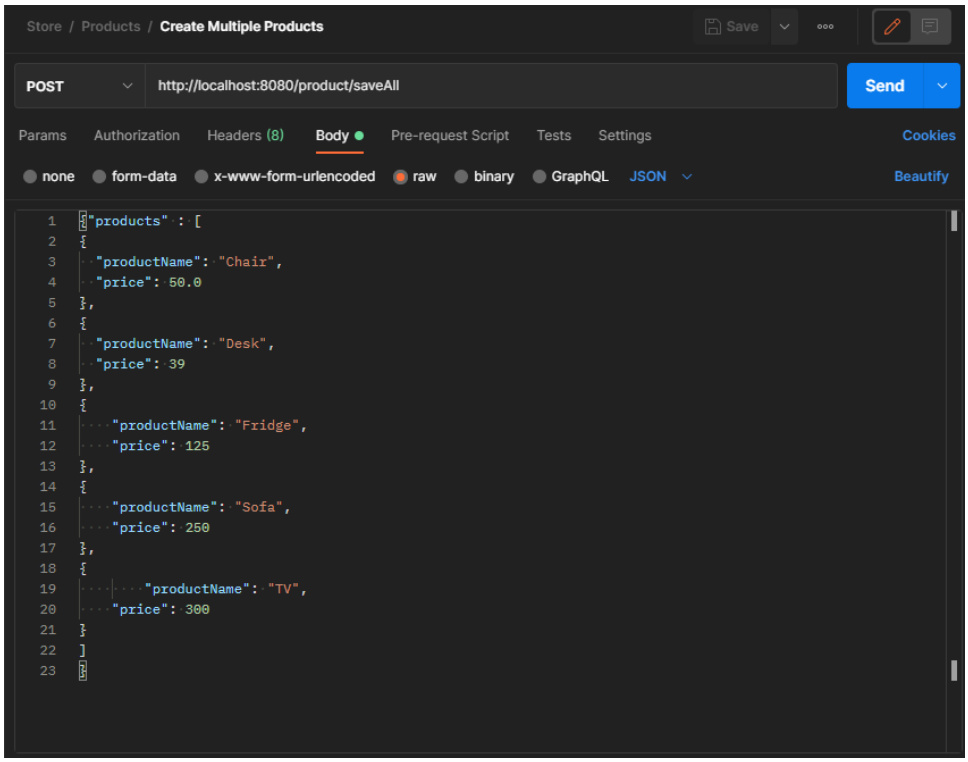
- Find customer that we created above:



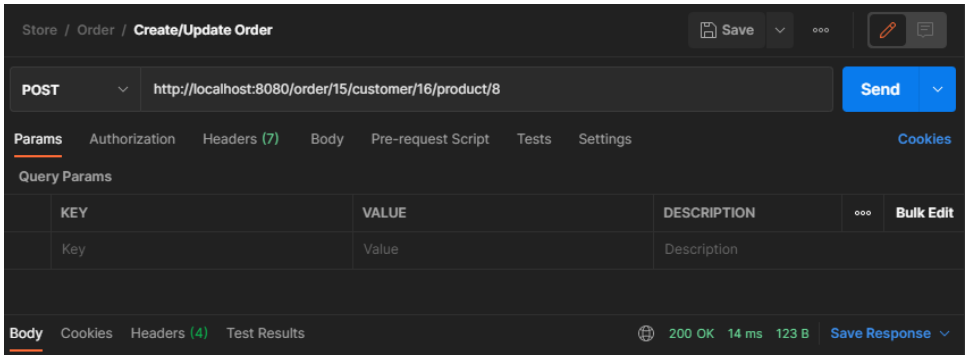
- Find a customer that does not exists



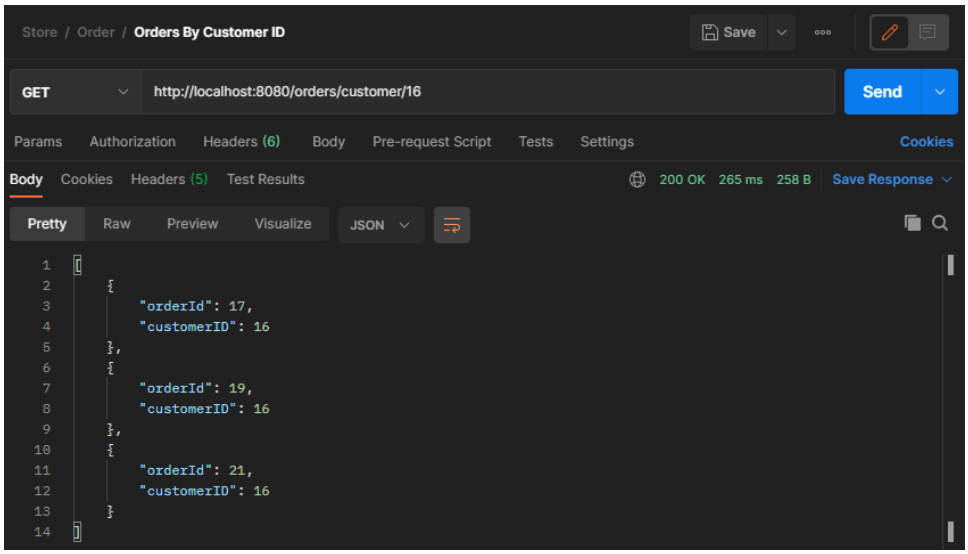
- Create Multiple Products



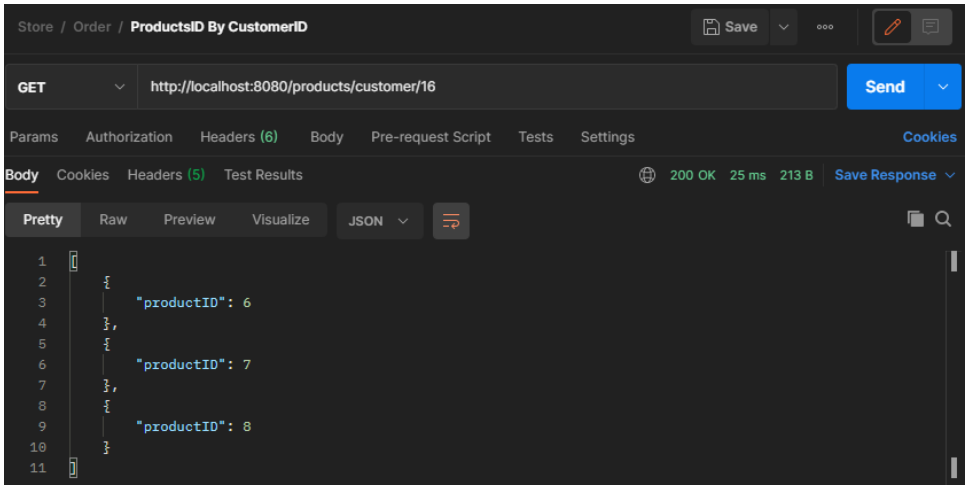
- Create Order for customer



- Fetch all customer orders



- Fetch all products that bought by a customer



- Fetch all products details from an order