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## Final Assessment

### Question:

I. Project template is provided .

Need to implement 1. RestController 2. ProductService

3. ProductDao with one custom query

- Create ProductNotFoundException in

com.verizon.exception package Perform All 1. void

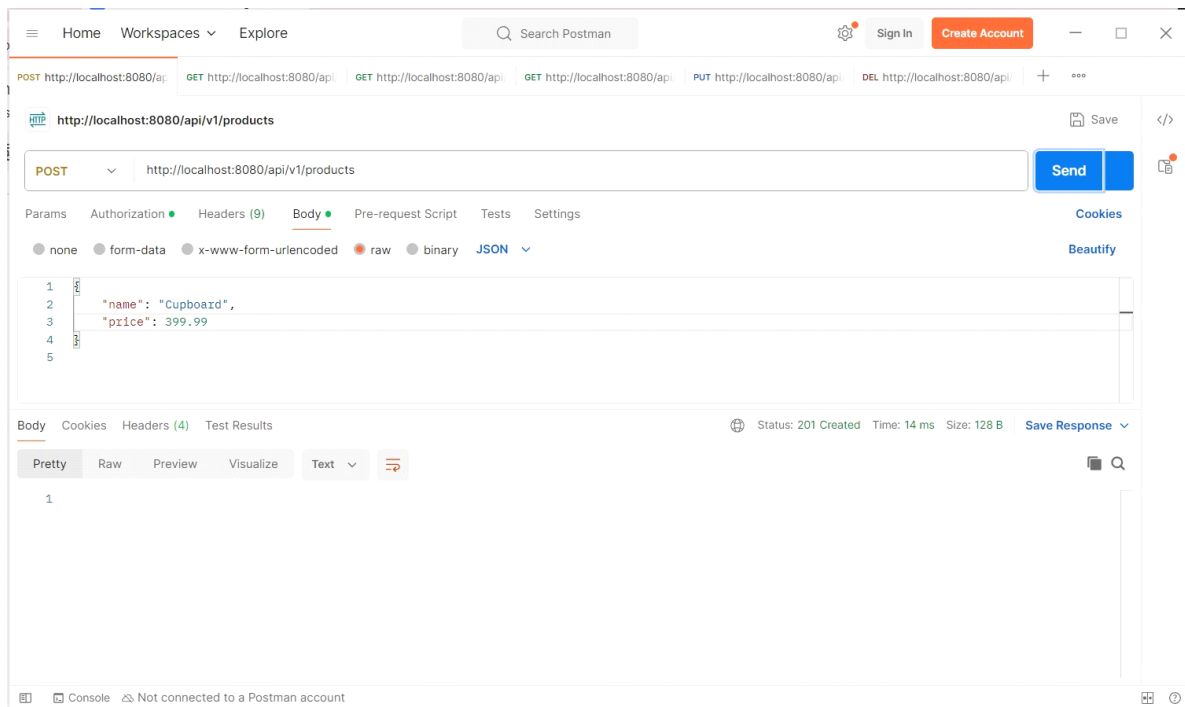
AddProduct(),

- List<Product> GetAllProducts(),
- Product GetProductById(Integer id) throws ProductNotFoundException
- List<Product> GetAllProductsBetweenPrice(Integer low, Integer high);
- void UpdateProduct(Integer id, Product product) throws ProductNotFoundException
- void DeleteProduct(Integer id) throws ProductNotFoundException

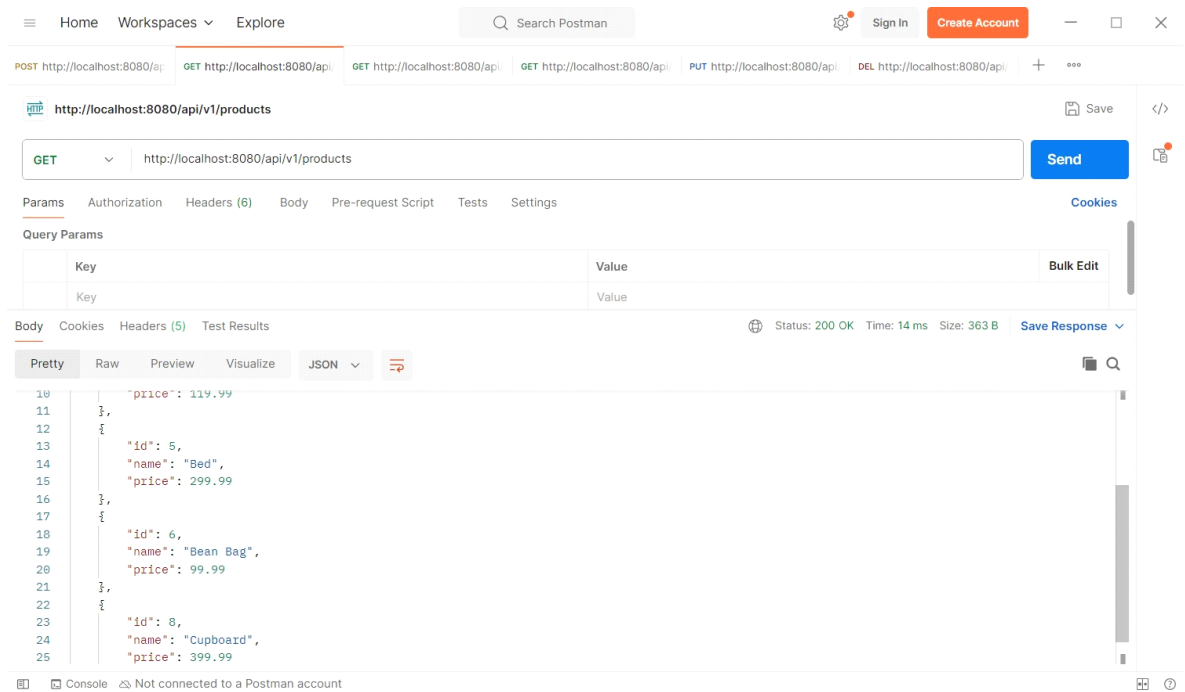
submit project source code in Zip format

Send screenshots of postman for all above operations in Word doc.

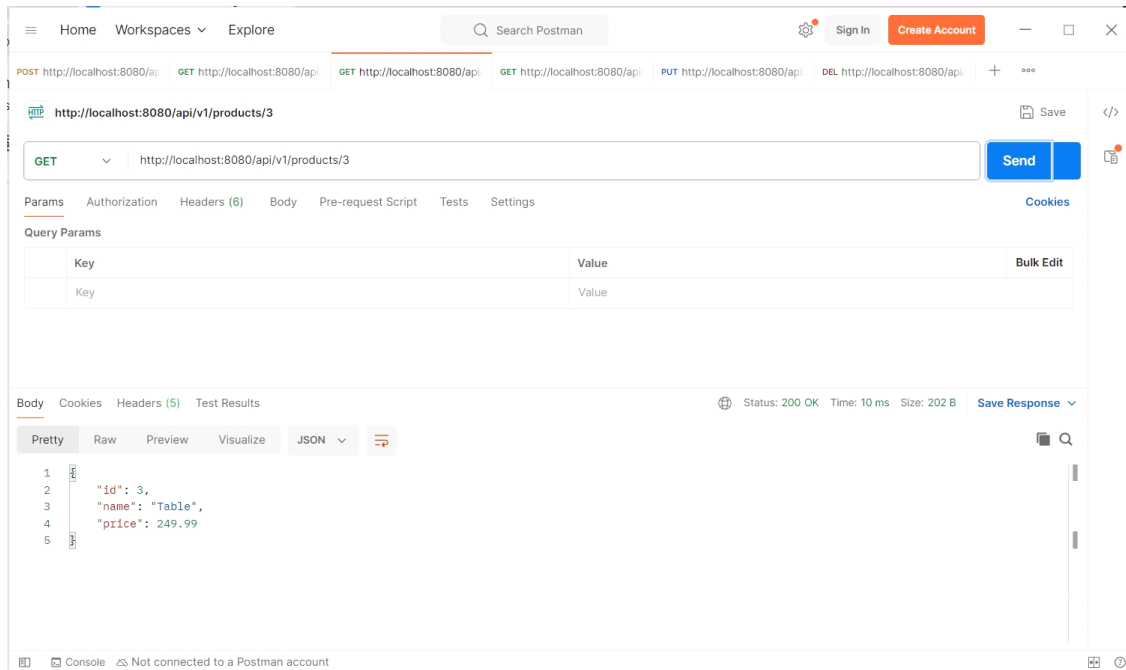
### Screenshots of Postman Implementations:



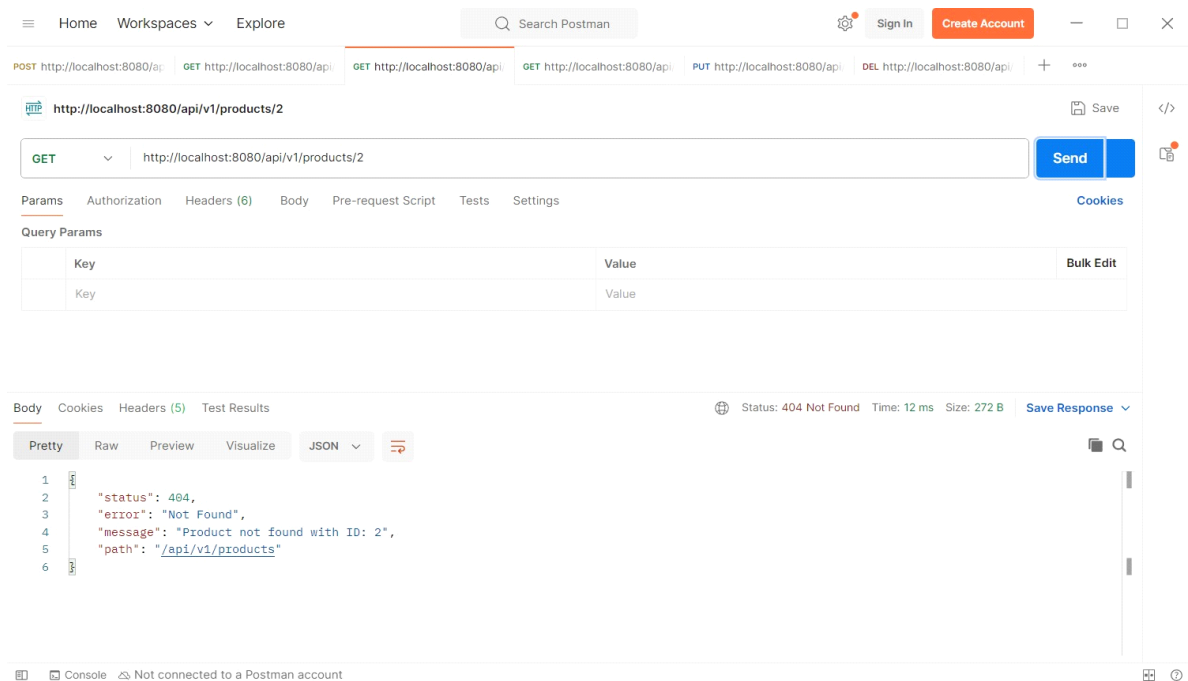
- Insertion of a product into database:



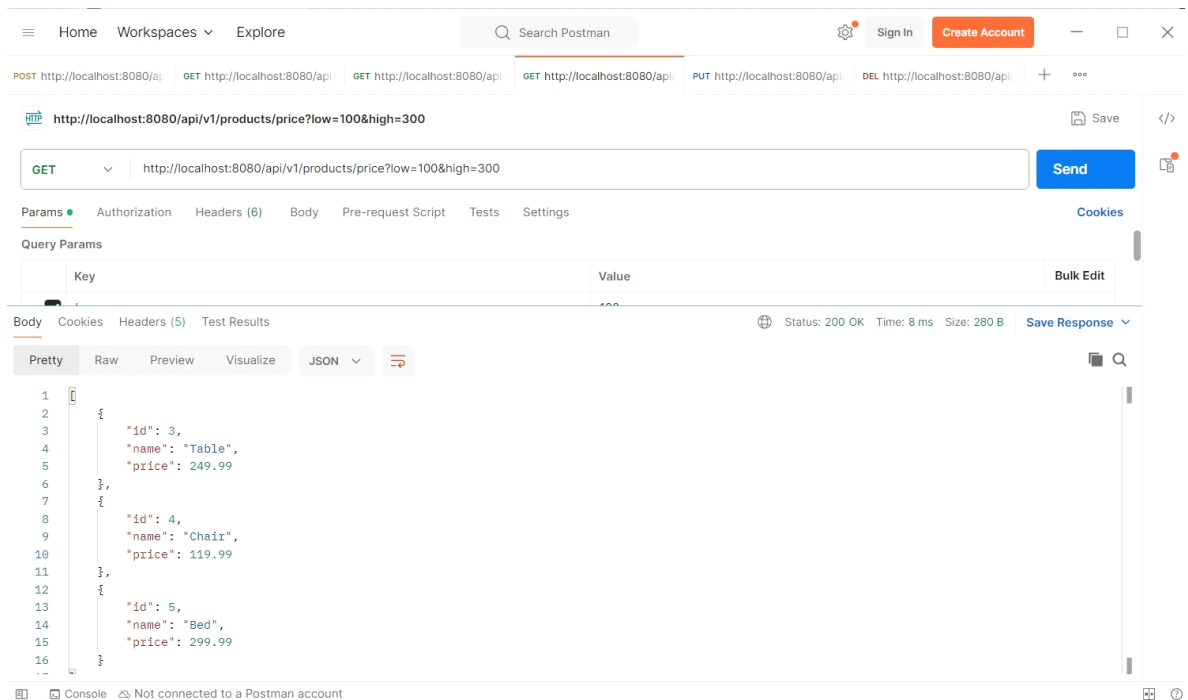
- Retrieving All products from database:



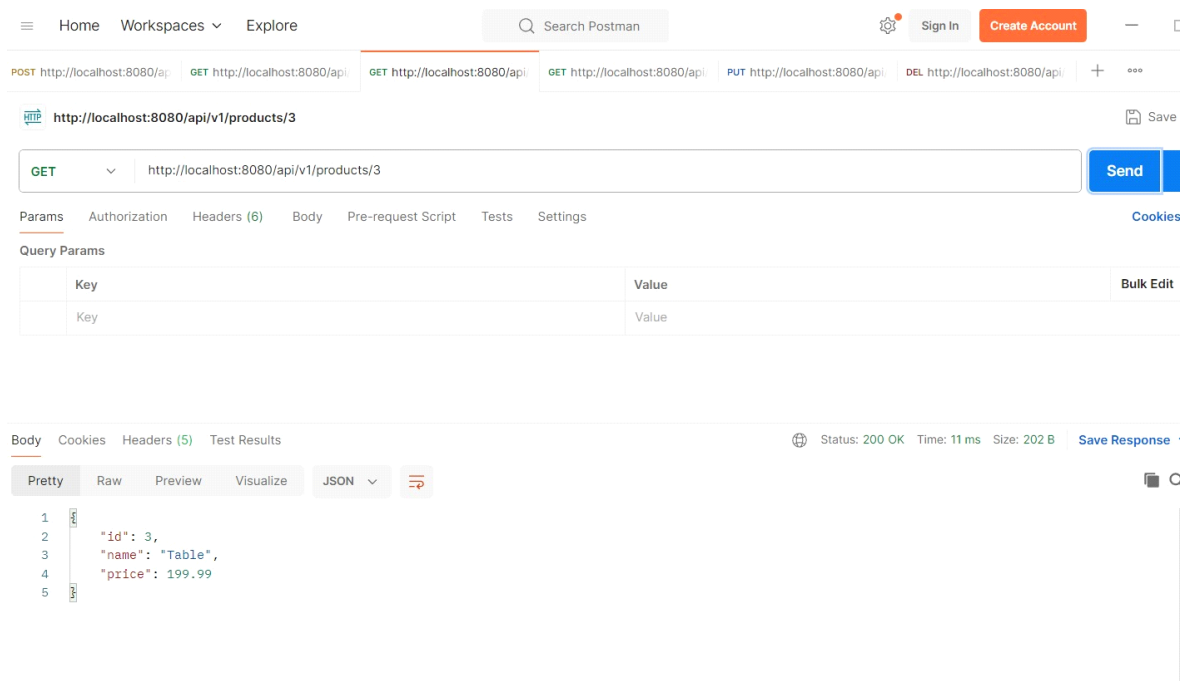
Retrieving product with a specific ID. Example ID = 3:



ProductNotFoundException:



Retrieving products between a specific price range. The price is passed as query parameters in this case.



Updating a specific product, using productID. In this case we update the product with ID 3: Before updating:

Performing Update operation:

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POST http://localhost:8080/api/ GET http://localhost:8080/api/ GET http://localhost:8080/api/ GET http://localhost:8080/api/ PUT http://localhost:8080/api/ DEL http://localhost:8080/api/ + \*\*\*

PUT http://localhost:8080/api/v1/products/3 Save

PUT http://localhost:8080/api/v1/products/3 Send

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

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

```
1 {
2   "name": "Dining Table",
3   "price": 349.99
4 }
5
```

Body Cookies Headers (3) Test Results Status: 204 No Content Time: 18 ms Size: 112 B Save Response

Pretty Raw Preview Visualize Text 1

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POST http://localhost:8080/api/ GET http://localhost:8080/api/ GET http://localhost:8080/api/ GET http://localhost:8080/api/ PUT http://localhost:8080/api/ DEL http://localhost:8080/api/ + \*\*\*

GET http://localhost:8080/api/v1/products/3 Save

GET http://localhost:8080/api/v1/products/3 Send

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

Query Params

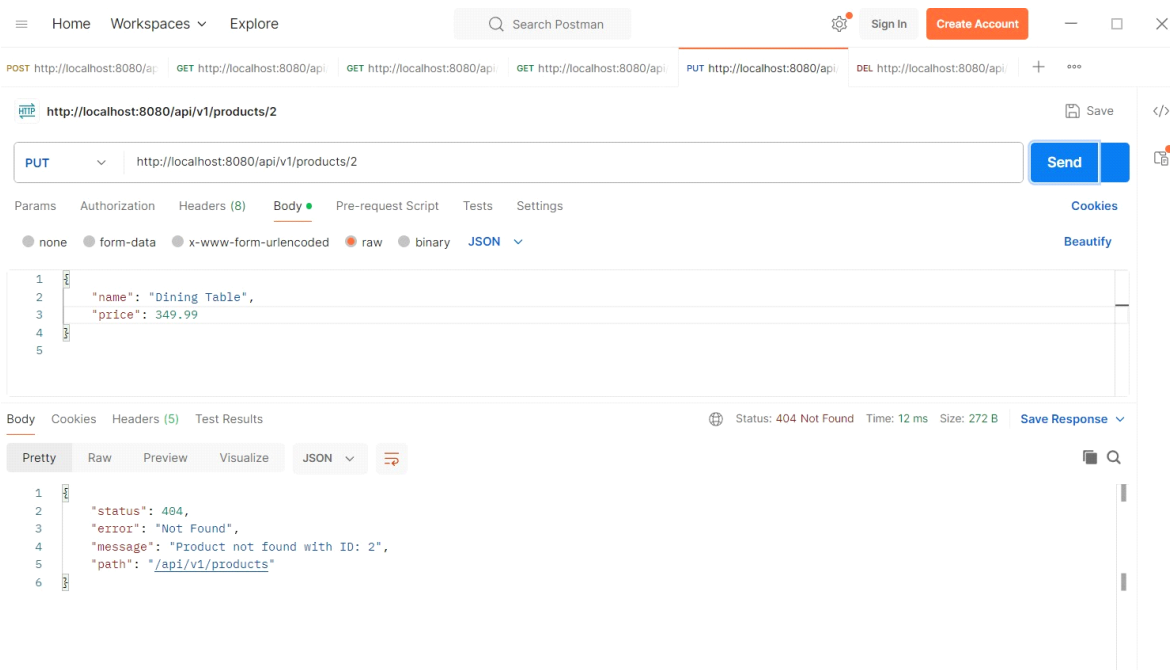
Key	Value	Bulk Edit
Key	Value	

Body Cookies Headers (5) Test Results Status: 200 OK Time: 10 ms Size: 209 B Save Response

Pretty Raw Preview Visualize JSON

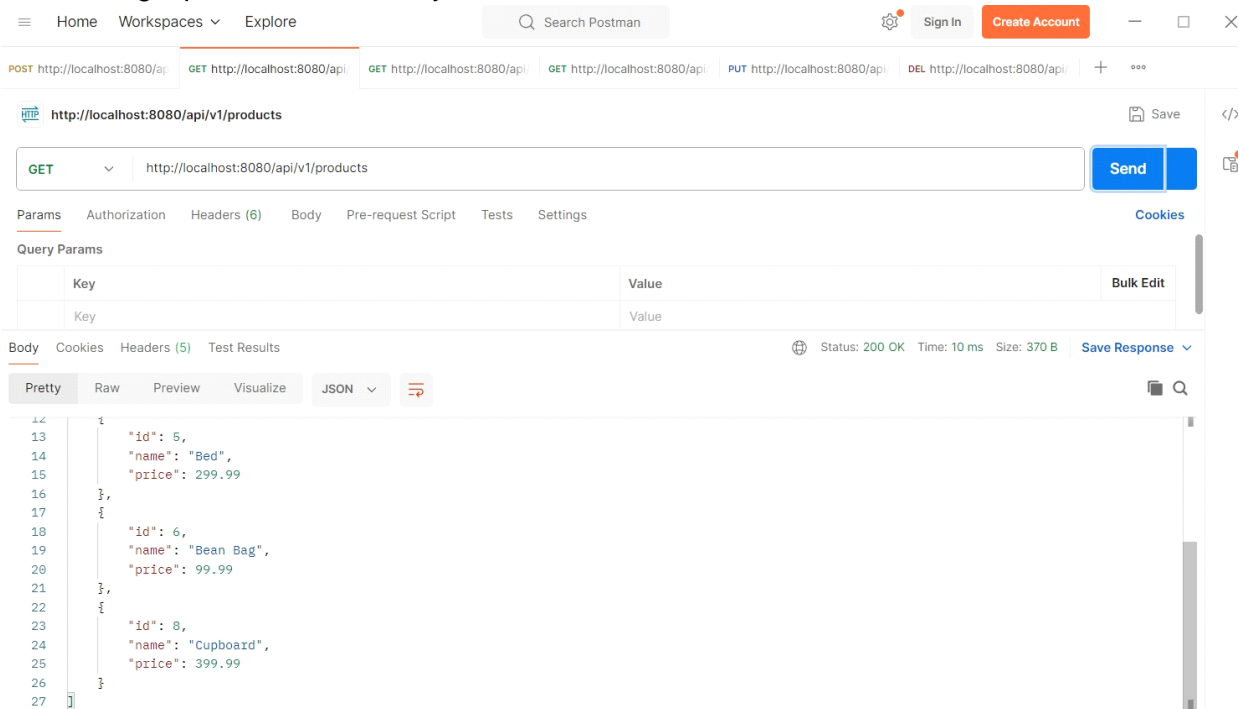
```
1 {
2   "id": 3,
3   "name": "Dining Table",
4   "price": 349.99
5 }
```

After update operation:



Trying to update a product with a productID that doesn't exist in the database:

- Deleting a product successfully:



All the products before deleting a product with ID 8:

Performing Delete Operation:

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POST http://localhost:8080/api/ GET http://localhost:8080/api/ GET http://localhost:8080/api/ GET http://localhost:8080/api/ PUT http://localhost:8080/api/ DEL http://localhost:8080/api/ + ...

http://localhost:8080/api/v1/products/8 Save </>

DELETE http://localhost:8080/api/v1/products/8 Send

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

Query Params

Key	Value	Bulk Edit
Key	Value	

Body Cookies Headers (3) Test Results Status: 204 No Content Time: 19 ms Size: 112 B Save Response

Pretty Raw Preview Visualize Text 1

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POST http://localhost:8080/api/ GET http://localhost:8080/api/ GET http://localhost:8080/api/ GET http://localhost:8080/api/ PUT http://localhost:8080/api/ DEL http://localhost:8080/api/ + ...

http://localhost:8080/api/v1/products Save

GET http://localhost:8080/api/v1/products Send

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

Query Params

Key	Value	Bulk Edit
Key	Value	

Body Cookies Headers (5) Test Results Status: 200 OK Time: 11 ms Size: 328 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 4,
3   "name": "Chair",
4   "price": 119.99
5 },
6 {
7   "id": 5,
8   "name": "Bed",
9   "price": 299.99
10 },
11 {
12   "id": 6,
13   "name": "Bean Bag",
14   "price": 99.99
15 }
16 }
```

Now displaying all the products in the database:

Trying to delete a product with a productID that doesn't exist in the database:

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POST http://localhost:8080/api/GET http://localhost:8080/api/GET http://localhost:8080/api/GET http://localhost:8080/api/PUT http://localhost:8080/api/DEL http://localhost:8080/api/

http://localhost:8080/api/v1/products/8

Save

DELETE

http://localhost:8080/api/v1/products/8

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

Cookies

Query Params

Key	Value	Bulk Edit
Key	Value	

BodyCookiesHeaders (5)Test Results

Status: 404 Not FoundTime: 11 msSize: 272 BSave Response

PrettyRawPreviewVisualizeJSON

```
1{"status": 404,
2"error": "Not Found",
3"message": "Product not found with ID: 8",
4"path": "/api/v1/products"
5}
6
```