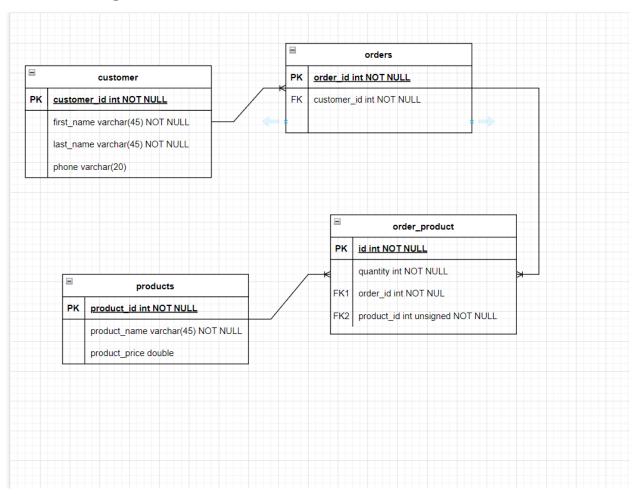## GitHub Repo URL of Project:

https://github.com/cel90/Final-Project

Database Design ERD:

Screenshots:

http://localhost:8080 - Local server.

products-controller

PUT /products/update{product_id} update product by id

POST /products/create Create new product

GET /products/all Returns a list of all products

DELETE /products/delete{product_id} delete product by id

orders-controller

POST /orders/createorder Create new order

GET /orders/order{customer_id} Returns a list of orders by customer id

DELETE /orders/deleteorder{cstmr} Delete order by customer id

customer-controller

GET /customer/allcustomers Returns a list of customers

GET /orders/order{customer_id} Returns a list of orders by customer id

DELETE /orders/deleteorder{cstmr} Delete order by customer id

customer-controller

GET /customer/allcustomers Returns a list of customers

Schemas

Products

Order_product

OrdersByCustomer

Customer

Orders

POST `/products/create` Create new product ∧

Create a new product

Parameters — Cancel

Name	Description
product_name * required string (query)	product_name
price * required number($double) (query)	price

Execute

Responses

Code	Description	Links
201	product was created successfully Media type application/json Controls Accept header.	No links

Show desktop

(query)

price * required number($double) (query)	price

Execute

Responses

Code	Description	Links
201	product was created successfully Media type application/json Controls Accept header. Example Value | Schema	No links

```
{
  "product_id": 0,
  "product_name": "string",
  "price": 0
}
```

| 500 | An unplanned error occured

Media type
application/json | No links |

Show desktop

product_name * required
string
(query)

`plate`

price * required
number($double)
(query)

`1.99`

| Execute | Clear |

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8080/products/create?product_name=plate%20&price=1.99' \
  -H 'accept: application/json' \
  -d ''
```

Request URL

```
http://localhost:8080/products/create?product_name=plate%20&price=1.99
```

Server response

Code	Details
201	Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:18:19 GMT
keep-alive: timeout=60
```

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8080/products/create?product_name=plate%20&price=1.99' \
  -H 'accept: application/json' \
  -d ''
```

Request URL

```
http://localhost:8080/products/create?product_name=plate%20&price=1.99
```

Server response

Code	Details
201	Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:18:19 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
201	product was created successfully	No links

Media type

`application/json`

Controls Accept header.

Example Value | Schema

```
{
  "product_id": 0,
  "product_name": "string",
  "price": 0
}
```

| 500 | | No links |

GET **/products/all** Returns a list of all products ⌃

Returns a list of all products

Parameters   Try it out

No parameters

Responses

Code	Description	Links
200	List of products is returned	No links

Media type

application/json ⌄

Controls Accept header.

Example Value | Schema

```
{
    "product_id": 0,
    "product_name": "string",
    "price": 0
}
```

404	Not found	No links

Media type

No parameters

Responses

Code	Description	Links
200	List of products is returned	No links

Media type

application/json ⌄

Controls Accept header.

Example Value | Schema

```
{
    "product_id": 0,
    "product_name": "string",
    "price": 0
}
```

404	Not found	No links

Media type

application/json ⌄

500	An unplanned error occured	No links

Media type

application/json ⌄

Execute	Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/products/all' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/products/all
```

Server response

Code	Details
200	**Response body**

```
[
  {
    "product_id": 6,
    "product_name": "tv",
    "price": 22.99
  },
  {
    "product_id": 8,
    "product_name": "spoon",
    "price": 1.99
  },
  {
    "product_id": 10,
    "product_name": "plate ",
    "price": 1.99
  }
]
```

Download

Response headers

```
connection: keep-alive
content-type: application/json
date: Sat,03 Sep 2022 18:20:33 GMT
keep-alive: timeout=60
```

---

products-controller

PUT /products/update{product_id} update product by id

update a product by id

Parameters

Try it out

Name	Description
product_id * required integer($int32) (query)	product_id
product_name * required string (query)	product_name
price * required number($double) (query)	price

Responses

Code	Description	Links
201	product was updated successfully	*No links*

(query)

Responses

Code	Description	Links
201	product was updated successfully	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
{
  "product_id": 0,
  "product_name": "string",
  "price": 0
}
```

Code	Description	Links
404	Not found	No links

Media type

application/json

Code	Description	Links
500	An unplanned error occured	No links

Media type

application/json

---

product_id * required
integer($int32)
(query)

2

product_name * required
string
(query)

cup

price * required
number($double)
(query)

1.95

Execute	Clear

Responses

Curl

```
curl -X 'PUT' \
  'http://localhost:8080/products/update{product_id}?product_id=2&product_name=cup&price=1.95' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/products/update{product_id}?product_id=2&product_name=cup&price=1.95
```

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
```

Request URL

```
http://localhost:8080/products/update{product_id}?product_id=2&product_name=cup&price=1.95
```

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:26:16 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
201	product was updated successfully	No links

Media type

```
application/json
```

Controls Accept header.

Example Value | Schema

```
{
  "product_id": 0,
  "product_name": "string",
  "price": 0
}
```

Code	Description	Links
404	Not found	No links

Media type

---

product_id * required
integer($int32)
(query)

```
6
```

product_name * required
string
(query)

```
cup
```

price * required
number($double)
(query)

```
1.50
```

Execute	Clear

Responses

Curl

```
curl -X 'PUT' \
  'http://localhost:8080/products/update{product_id}?product_id=6&product_name=cup&price=1.50' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/products/update{product_id}?product_id=6&product_name=cup&price=1.50
```

Server response

Code	Details
201	Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:27:52 GMT
keep-alive: timeout=60
```

Curl

```
curl -X 'PUT' \
  'http://localhost:8080/products/update{product_id}?product_id=6&product_name=cup&price=1.50' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/products/update{product_id}?product_id=6&product_name=cup&price=1.50
```

Server response

Code	Details
201	**Response headers**
|  | ```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:27:52 GMT
keep-alive: timeout=60
``` |

Responses

Code	Description		Links
201	product was updated successfully		*No links*
	Media type		
	application/json ▼		
	Controls Accept header.		
	Example Value | Schema		
|  | ```
{
  "product_id": 0,
  "product_name": "string",
  "price": 0
}
``` | | |
| 404 | Not found | | *No links* |

DELETE /products/delete{product_id} delete product by id   ∧

delete a product by id

Parameters	Try it out

Name	Description
product_id * required integer($int32) *(query)*	product_id

Responses

Code	Description		Links
201	product was deleted successfully		*No links*
	Media type		
	application/json ▼		
	Controls Accept header.		
	Example Value | Schema		
|  | ```
{
  "product_id": 0,
  "product_name": "string",
  "price": 0
}
``` | | |

(query)

Responses

Code	Description	Links
201	product was deleted successfully	No links

Media type

application/json	∨

Controls Accept header.

Example Value | Schema

```
{
    "product_id": 0,
    "product_name": "string",
    "price": 0
}
```

Code	Description	Links
404	Not found	No links

Media type

application/json	∨

| 500 | An unplanned error occured | No links |

Media type

application/json	∨

Name	Description

product_id * required
integer($int32)
(query)

45

Execute	Clear

Responses

Curl

```
curl -X 'DELETE' \
  'http://localhost:8080/products/delete{product_id}?product_id=45' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/products/delete{product_id}?product_id=45
```

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:29:37 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:29:37 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
201	product was deleted successfully	No links

Media type

application/json ⌄

Controls Accept header.

Example Value | Schema

```
{
  "product_id": 0,
  "product_name": "string",
  "price": 0
}
```

| 404 | Not found | No links |

Media type

application/json ⌄

| 500 | An unplanned error occured | No links |

---

product_id * required
integer($int32)
(query)

```
6
```

Execute	Clear

Responses

Curl

```
curl -X 'DELETE' \
  'http://localhost:8080/products/delete{product_id}?product_id=6' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/products/delete{product_id}?product_id=6
```

Server response

Code	Details
201	

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:30:44 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
201	product was deleted successfully	No links

Media type

POST **/orders/createorder** Create new order

Create a new order

Parameters

Try it out

Name	Description
customer * required integer($int32) (query)	customer
order * required integer($int32) (query)	order
product * required integer($int32) (query)	product
quantity * required integer($int32) (query)	quantity

Responses

Code	Description	Links
201		No links

---

integer($int32)
(query)

quantity * required
integer($int32)
(query)

quantity

Responses

Code	Description	Links
201	order was created successfully	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
{
  "id": 0,
  "quantity": 0,
  "order": 0,
  "product": 0,
  "customer": 0
}
```

500	An unplanned error occured or Customer id doesn't exist or Product id doesn't exist or order id already used	No links

Media type

application/json

customer * required
integer($int32)
(query)

```
1
```

order * required
integer($int32)
(query)

```
2
```

product * required
integer($int32)
(query)

```
8
```

quantity * required
integer($int32)
(query)

```
20
```

| Execute | Clear |

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8080/orders/createorder?customer=1&order=2&product=8&quantity=20' \
  -H 'accept: application/json' \
  -d ''
```

Request URL

```
http://localhost:8080/orders/createorder?customer=1&order=2&product=8&quantity=20
```

Server response

Code	Details
201	Response headers

---

quantity *
integer($int32)
(query)

```
20
```

| Execute | Clear |

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8080/orders/createorder?customer=1&order=2&product=8&quantity=20' \
  -H 'accept: application/json' \
  -d ''
```

Request URL

```
http://localhost:8080/orders/createorder?customer=1&order=2&product=8&quantity=20
```

Server response

Code	Details
201	Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:34:22 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
201	order was created successfully	No links

customer * required
integer($int32)
(query)

```
2
```

order * required
integer($int32)
(query)

```
3
```

product * required
integer($int32)
(query)

```
8
```

quantity * required
integer($int32)
(query)

```
5
```

Execute	Clear

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8080/orders/createorder?customer=2&order=3&product=8&quantity=5' \
  -H 'accept: application/json' \
  -d ''
```

Request URL

```
http://localhost:8080/orders/createorder?customer=2&order=3&product=8&quantity=5
```

Server response

Code	Details
500	Error: response status is 500

```
http://localhost:8080/orders/createorder?customer=2&order=3&product=8&quantity=5
```

Server response

Code	Details
500	Error: response status is 500

Response headers

```
connection: close
content-length: 0
date: Sat,03 Sep 2022 18:36:13 GMT
```

Responses

Code	Description	Links
201	order was created successfully	No links

Media type

```
application/json
```

Controls Accept header.

Example Value | Schema

```
{
  "id": 0,
  "quantity": 0,
  "order": 0,
  "product": 0,
  "customer": 0
}
```

Code	Description	Links
500	An unplanned error occured or Customer id doesn't exist or Product id doesn't exist or order id already used	No links

Media type

```
application/json
```

GET | /orders/order{customer_id} Returns a list of orders by customer id | ⌄

Returns a list of all orders of a choosen customer

Parameters

Try it out

Name	Description
customer_id * required integer($int32) (query)	customer_id

Responses

Code	Description	Links
200	List of orders is returned	No links

Media type

application/json ⌄

Controls Accept header.

Example Value | Schema

```
{
  "order_id": 0,
  "customer_id": 0,
  "first_name": "string",
  "last_name": "string",
```

Responses

Code	Description	Links
200	List of orders is returned	No links

Media type

application/json ⌄

Controls Accept header.

Example Value | Schema

```
{
  "order_id": 0,
  "customer_id": 0,
  "first_name": "string",
  "last_name": "string",
  "product_name": "string",
  "quantity": 0
}
```

| 404 | customer doesn't exist | No links |

Media type

application/json ⌄

| 500 | internal Server Error or customer doesnt have order yet | No links |

Media type

application/json ⌄

localhost:8080/swagger-ui/index.html#/orders-controller/getAllorders

customer_id * required
integer($int32)
(query)

```
120
```

Execute	Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/orders/order{customer_id}?customer_id=120' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/orders/order{customer_id}?customer_id=120
```

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:38:19 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
200	List of orders is returned	No links

---

localhost:8080/swagger-ui/index.html#/orders-controller/getAllorders

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:38:19 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
200	List of orders is returned	No links

Media type

```
application/json
```

Controls Accept header.

Example Value | Schema

```
{
  "order_id": 0,
  "customer_id": 0,
  "first_name": "string",
  "last_name": "string",
  "product_name": "string",
  "quantity": 0
}
```

| 404 | customer doesn't exist | No links |

Media type

```
application/json
```

Name   Description

customer_id * required
integer($int32)
(query)

`1`

| Execute | Clear |

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/orders/order{customer_id}?customer_id=1' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/orders/order{customer_id}?customer_id=1
```

Server response

| Code | Details |

200

Response body

```
[
  {
    "order_id": 2,
    "customer_id": 1,
    "first_name": "Tom",
    "last_name": "steve",
    "product_name": "spoon",
    "quantity": 20
  }
]
```

Download

Response headers

Server response

| Code | Details |

200

Response body

```
[
  {
    "order_id": 2,
    "customer_id": 1,
    "first_name": "Tom",
    "last_name": "steve",
    "product_name": "spoon",
    "quantity": 20
  }
]
```

Download

Response headers

```
connection: keep-alive
content-type: application/json
date: Sat,03 Sep 2022 18:46:52 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Responses

| Code | Description | Links |

200   List of orders is returned   No links

Media type

| application/json   ∨ |

Controls Accept header.

Example Value | Schema

```
{
  "order_id": 0,
  "customer_id": 0,
  "first_name": "string",
  "last_name": "string",
  "product_name": "string",
  "quantity": 0
}
```

DELETE /orders/deleteorder{cstmr} Delete order by customer id

Delete an order of a choosen customer

Parameters   Try it out

Name	Description
cstmr * required integer($int32) (query)	cstmr

Responses

Code	Description	Links
201	order was deleted successfully	No links

Media type

application/json ▾

Controls Accept header.

Example Value | Schema

```
{
  "id": 0,
  "cstmr": 0
}
```

(query)

Responses

Code	Description	Links
201	order was deleted successfully	No links

Media type

application/json ▾

Controls Accept header.

Example Value | Schema

```
{
  "id": 0,
  "cstmr": 0
}
```

Code	Description	Links
404	Not found	No links

Media type

application/json ▾

Code	Description	Links
500	An unplanned error occured	No links

Media type

application/json ▾

cstmr * required
integer($int32)
(query)

`350`

| Execute | Clear |

Responses

Curl

```
curl -X 'DELETE' \
  'http://localhost:8080/orders/deleteorder{cstmr}?cstmr=350' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/orders/deleteorder{cstmr}?cstmr=350
```

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:53:26 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
201	order was deleted successfully	No links

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:53:26 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
201	order was deleted successfully	No links

Media type

`application/json` ▾

Controls Accept header.

Example Value | Schema

```
{
  "id": 0,
  "cstmr": 0
}
```

| 404 | Not found | No links |

Media type

`application/json` ▾

| 500 | An unplanned error occured | No links |

cstmr * required
integer($int32)
(query)

`2`

Execute	Clear

Responses

Curl

```
curl -X 'DELETE' \
  'http://localhost:8080/orders/deleteorder{cstmr}?cstmr=2' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/orders/deleteorder{cstmr}?cstmr=2
```

Server response

Code	Details
201	**Response headers**

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:54:21 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
201	order was deleted successfully	No links

Media type

---

customer-controller

GET	/customer/allcustomers Returns a list of customers	∧

Returns a list of all exist customers who having orders

Parameters   Try it out

No parameters

Responses

Code	Description	Links
200	List of customers is returned	No links

Media type

application/json ▼

Controls Accept header.

Example Value | Schema

```
{
  "customer_id": 0,
  "first_name": "string",
  "last_name": "string",
  "phone": "string"
}
```

| 404 | customers Not found | No links |

Responses

Code	Description	Links
200	List of customers is returned	No links

Media type

application/json

Controls `Accept` header.

Example Value | Schema

```
{
  "customer_id": 0,
  "first_name": "string",
  "last_name": "string",
  "phone": "string"
}
```

Code	Description	Links
404	customers Not found	No links

Media type

application/json

Code	Description	Links
500	An unplanned error occured	No links

Media type

application/json

No parameters

Execute   Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/customer/allcustomers' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/customer/allcustomers
```

Server response

Code	Details
200	Response body

```
[
  {
    "customer_id": 1,
    "first_name": "Tom",
    "last_name": "steve",
    "phone": "9877896545"
  },
  {
    "customer_id": 2,
    "first_name": "cho",
    "last_name": "lax",
    "phone": "1234567894"
  }
]
```

Download

Response headers

```
connection: keep-alive
content-type: application/json
```

Server response

Code	Details
200	**Response body**

```
[
  {
    "customer_id": 1,
    "first_name": "Tom",
    "last_name": "steve",
    "phone": "9877896545"
  },
  {
    "customer_id": 2,
    "first_name": "cho",
    "last_name": "lax",
    "phone": "1234567894"
  }
]
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Sat,03 Sep 2022 18:58:19 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Responses

Code	Description	Links
200	List of customers is returned	No links

Media type

application/json ⌄

Controls Accept header.

Example Value | Schema

```
{
  "customer_id": 0,
  "first_name": "string",
```

No parameters

Execute	Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/customer/allcustomers' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/customer/allcustomers
```

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:59:56 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
200	List of customers is returned	No links

Server response

Code	Details
404	Error: response status is 404

Response headers

```
connection: keep-alive
content-length: 0
date: Sat,03 Sep 2022 18:59:56 GMT
keep-alive: timeout=60
```

Responses

Code	Description	Links
200	List of customers is returned	No links

Media type

application/json ⌄

Controls Accept header.

Example Value | Schema

```
{
    "customer_id": 0,
    "first_name": "string",
    "last_name": "string",
    "phone": "string"
}
```

Code	Description	Links
404	customers Not found	No links

Media type

application/json ⌄

Code	Description	Links
500	An unplanned error occured	No links