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csci318-project

Repo for project for CSCI318 Online Ordering Application

Dependencies

- Spring Boot 2.5.3
- Java 8
- Spring Web
- Spring Data JPA
- H2

Examples of Input and Output

Rest Requests

Request 1: Creating a new customer entry.

- Input:

```
curl -X POST -H "Content-Type:application/json" -d \  
{  
  "companyName":"Microsoft",  
  "address" : "Redmond",  
  "country" : "USA"  
} http://localhost:8080/customer
```

- Output:

```
"id":1,"companyName":"Microsoft","address":"Redmond","country":"USA","contact":null}
```

Request 2: Creating a new contact entry.

- Input:

```
curl -X POST -H "Content-Type:application/json" -d \  
{
```

```
    "name" : "Bill Gates",
    "phone" : "04555555555",
    "email" : "thisisgates@gmail.com",
    "position" : "CEO"
  }' http://localhost:8080/contact
```

- Output:

```
{"id":2,"name":"Bill Gates","phone":"04555555555","email":"thisisgates@gmail.com",
"position":"CEO"}
```

Request 3: Linking a Customer and a Contact.

- Input:

```
curl -i -X PUT http://localhost:8080/customer/1/contact/2
```

- Output:

```
{"id":1,"companyName":"Microsoft","address":"Redmond","country":"USA",
"contact":{"id":2,"name":"Bill Gates","phone":"04555555555","email":"thisisgates@gmail.com",
"position":"CEO"}}
```

Request 4: Updating a specific contact by ID.

- Input:

```
curl -i -X PUT -H "Content-Type:application/json" -d \
  '{
    "name" : "Tim Cook",
    "phone" : "04555555557",
    "email" : "thisistim@hotmail.com",
    "position" : "CEO",
    "customer" : "Apple"
  }' http://localhost:8080/contact/2
```

- Output:

```
{"id":2,"name":"Tim Cook","phone":"04555555557","email":"thisistim@hotmail.com","position":"CEO"}
```

Request 5: Get all customers in the database.

- Input:

```
curl -X POST -H "Content-Type:application/json" -d \
  '{
    "companyName":"Apple",
    "address" : "California",
    "country" : "USA"
  }' http://localhost:8080/customer

curl -X GET http://localhost:8080/customer
```

- Output:

```
{"id":3,"companyName":"Apple","address":"California","country":"USA","contact":null}
[{"id":1,"companyName":"Microsoft","address":"Redmond","country":"USA",
"contact":{"id":2,"name":"Tim Cook","phone":"04555555557","email":"thisistim@hotmail.com",
```

```
"position":"CEO"}},{ "id":3,"companyName":"Apple","address":"California",  
"country":"USA","contact":null}]
```

Request 6: Get a specific customer in the database.

- Input:

```
curl -X GET http://localhost:8080/customer/3
```

- Output:

```
{"id":3,"companyName":"Apple","address":"California","country":"USA","contact":null}
```

Request 7: Search for a customer by company name.

- Input:

```
curl -X GET http://localhost:8080/customer/company?name=Apple
```

- Output:

```
[{"id":3,"companyName":"Apple","address":"California","country":"USA","contact":null}]
```

Request 8: Get all contacts in the database.

- Input:

```
curl -X POST -H "Content-Type:application/json" -d \  
{  
  "name" : "Bill Gates",  
  "phone" : "04555555555",  
  "email" : "thisisgates@gmail.com",  
  "position" : "CEO"  
}  
http://localhost:8080/contact  
  
curl -X GET http://localhost:8080/contact
```

- Output:

```
{"id":4,"name":"Bill Gates","phone":"04555555555","email":"thisisgates@gmail.com",  
"position":"CEO"}[{ "id":2,"name":"Tim Cook","phone":"04555555557",  
"email":"thisistim@hotmail.com","position":"CEO"},{ "id":4,"name":"Bill Gates",  
"phone":"04555555555","email":"thisisgates@gmail.com","position":"CEO"}]
```

Request 9: Get a specific contact in the database.

- Input:

```
curl -X GET http://localhost:8080/contact/4
```

- Output:

```
{"id":4,"name":"Bill Gates","phone":"04555555555","email":"thisisgates@gmail.com","position":"CEO"}
```