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CS157B
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CS157B

Assignment 2 with Hibernate

Hardcopy

INITIAL DATA

```
MySQL 5.6 Command Line Client
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use storedb;
Database changed
mysql> show tables;
+-----+
| Tables_in_storedb |
+-----+
| cart                |
| cart_product        |
| customer            |
| product             |
+-----+
4 rows in set (0.00 sec)

mysql> select * from cart;
+-----+-----+-----+
| id | total | customer_id |
+-----+-----+-----+
| 1  | 4498.99 | 1           |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from cart_product;
+-----+-----+
| Cart_id | products_id |
+-----+-----+
| 1       | 1           |
| 1       | 2           |
+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from product;
+-----+-----+-----+
| id | Name       | Price |
+-----+-----+-----+
| 1  | Diamond   | 3499  |
| 2  | Dress     | 999.99 |
| 3  | Laptop    | 649   |
| 4  | Smartphone | 300   |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from customer;
+-----+-----+-----+
| id | Name    | cart_id |
+-----+-----+-----+
| 1  | Jessica | 1       |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> _
```

GET – Retrieve all orders

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\admin>cd desktop
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress
C:\Users\admin\Desktop>
```

```
MySQL 5.6 Command Line Client

mysql> select * from cart_product;
+-----+-----+
| Cart_id | products_id |
+-----+-----+
| 1       | 1           |
| 1       | 2           |
+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from product;
+----+-----+-----+
| id | Name      | Price |
+----+-----+-----+
| 1  | Diamond   | 3499  |
| 2  | Dress     | 999.99|
| 3  | Laptop    | 649   |
| 4  | Smartphone| 300   |
+----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from customer;
+----+-----+-----+
| id | Name    | cart_id |
+----+-----+-----+
| 1  | Jessica | 1       |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from cart;
+----+-----+-----+
| id | total  | customer_id |
+----+-----+-----+
| 1  | 4498.99 | 1           |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> _
```

GET – Retrieve Order by ID

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\admin>cd desktop
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders/1
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress
C:\Users\admin\Desktop>
```

```
MySQL 5.6 Command Line Client

mysql> select * from cart_product;
+-----+-----+
| Cart_id | products_id |
+-----+-----+
| 1       | 1           |
| 1       | 2           |
+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from product;
+-----+-----+-----+
| id | Name      | Price |
+-----+-----+-----+
| 1  | Diamond   | 3499  |
| 2  | Dress     | 999.99|
| 3  | Laptop    | 649   |
| 4  | Smartphone| 300   |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from customer;
+-----+-----+-----+
| id | Name   | cart_id |
+-----+-----+-----+
| 1  | Jessica | 1       |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from cart;
+-----+-----+-----+
| id | total  | customer_id |
+-----+-----+-----+
| 1  | 4498.99 | 1           |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> _
```

GET – Retrieve all products

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\admin>cd desktop
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders/1
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/products
Product ID: 1, Name: Diamond, Price: 3499.0
Product ID: 2, Name: Dress, Price: 999.99
Product ID: 3, Name: Laptop, Price: 649.0
Product ID: 4, Name: Smartphone, Price: 300.0

C:\Users\admin\Desktop>
```

```
MySQL 5.6 Command Line Client
+----+-----+-----+
| 1 | Jessica | 1 |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from cart;
+----+-----+-----+
| id | total | customer_id |
+----+-----+-----+
| 1 | 4498.99 | 1 |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from product;
+----+-----+-----+
| id | Name | Price |
+----+-----+-----+
| 1 | Diamond | 3499 |
| 2 | Dress | 999.99 |
| 3 | Laptop | 649 |
| 4 | Smartphone | 300 |
+----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

GET – Retrieve all customers

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\admin>cd desktop

C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress

C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders/1
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress

C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/products
Product ID: 1, Name: Diamond, Price: 3499.0
Product ID: 2, Name: Dress, Price: 999.99
Product ID: 3, Name: Laptop, Price: 649.0
Product ID: 4, Name: Smartphone, Price: 300.0

C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/customers
Customer ID: 1, Name: Jessica, Order ID: 1

C:\Users\admin\Desktop>
```

```
MySQL 5.6 Command Line Client

+----+-----+-----+
| 1 | 4498.99 | 1 |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from product;
+----+-----+-----+
| id | Name   | Price |
+----+-----+-----+
| 1 | Diamond | 3499  |
| 2 | Dress  | 999.99 |
| 3 | Laptop | 649    |
| 4 | Smartphone | 300  |
+----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from customer;
+----+-----+-----+
| id | Name   | cart_id |
+----+-----+-----+
| 1 | Jessica | 1       |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> _
```

POST – Add new customer

```
C:\Windows\system32\cmd.exe

Product ID: 2, Name: Dress, Price: 999.99
Product ID: 3, Name: Laptop, Price: 649.0
Product ID: 4, Name: Smartphone, Price: 300.0

C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/customers
Customer ID: 1, Name: Jessica, Order ID: 1

C:\Users\admin\Desktop>curl -X --data "name=Erica" http://localhost:7001/RestfulService/api/customers
curl: (6) Could not resolve host: name=Erica

C:\Users\admin\Desktop>curl -X --data 'name=Erica' http://localhost:7001/RestfulService/api/customers
curl: (6) Could not resolve host: 'name=Erica'

C:\Users\admin\Desktop>curl --data "name=Erica" http://localhost:7001/RestfulService/api/customers
Customer Added
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/customers
Customer ID: 1, Name: Jessica, Order ID: 1
Customer ID: 2, Name: Erica, Order ID: null

C:\Users\admin\Desktop>_
```

```
MySQL 5.6 Command Line Client

+----+-----+-----+
| 2 | Dress | 999.99 |
| 3 | Laptop | 649 |
| 4 | Smartphone | 300 |
+----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from customer;
+----+-----+-----+
| id | Name | cart_id |
+----+-----+-----+
| 1 | Jessica | 1 |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from customer;
+----+-----+-----+
| id | Name | cart_id |
+----+-----+-----+
| 1 | Jessica | 1 |
| 2 | Erica | NULL |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql> _
```

POST – Add new product

```
C:\Windows\system32\cmd.exe

C:\Users\admin\Desktop>curl --data "name=Erica" http://localhost:7001/RestfulService/api/customers
Customer Added
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/customers
Customer ID: 1, Name: Jessica, Order ID: 1
Customer ID: 2, Name: Erica, Order ID: null

C:\Users\admin\Desktop>curl -X --data "name=shampoo&price=7.5" http://localhost:7001/RestfulService/api/products
curl: (6) Could not resolve host: name=shampoo&price=7.5

C:\Users\admin\Desktop>curl --data "name=shampoo&price=7.5" http://localhost:7001/RestfulService/api/products
Product Added
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/products
Product ID: 1, Name: Diamond, Price: 3499.0
Product ID: 2, Name: Dress, Price: 999.99
Product ID: 3, Name: Laptop, Price: 649.0
Product ID: 4, Name: Smartphone, Price: 300.0
Product ID: 5, Name: shampoo, Price: 7.5

C:\Users\admin\Desktop>_
```

```
MySQL 5.6 Command Line Client

1 row in set (0.00 sec)

mysql> select * from customer;
+----+-----+-----+
| id | Name  | cart_id |
+----+-----+-----+
| 1  | Jessica | 1       |
| 2  | Erica  | NULL    |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from product;
+----+-----+-----+
| id | Name      | Price |
+----+-----+-----+
| 1  | Diamond   | 3499  |
| 2  | Dress     | 999.99 |
| 3  | Laptop    | 649    |
| 4  | Smartphone | 300    |
| 5  | shampoo   | 7.5    |
+----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```


POST – Add new order

```
C:\Windows\system32\cmd.exe
C:\Users\admin\Desktop>curl -X --data "name=shampoo&price=7.5" http://localhost:7001/RestfulService/api/products
curl: (6) Could not resolve host: name=shampoo&price=7.5
C:\Users\admin\Desktop>curl --data "name=shampoo&price=7.5" http://localhost:7001/RestfulService/api/products
Product Added
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/products
Product ID: 1, Name: Diamond, Price: 3499.0
Product ID: 2, Name: Dress, Price: 999.99
Product ID: 3, Name: Laptop, Price: 649.0
Product ID: 4, Name: Smartphone, Price: 300.0
Product ID: 5, Name: shampoo, Price: 7.5
C:\Users\admin\Desktop>curl --data "products=3,4,5&customer=2" http://localhost:7001/RestfulService/api/orders
Order added
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress
Order ID: 2, Customer Name: Erica, Total: 956.5, Products: Laptop, Smartphone, shampoo
C:\Users\admin\Desktop>_
```

```
MySQL 5.6 Command Line Client
mysql> select * from customer;
+----+-----+-----+
| id | Name  | cart_id |
+----+-----+-----+
| 1  | Jessica | 1       |
| 2  | Erica  | 2       |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from product;
+----+-----+-----+
| id | Name      | Price |
+----+-----+-----+
| 1  | Diamond   | 3499  |
| 2  | Dress     | 999.99 |
| 3  | Laptop    | 649    |
| 4  | Smartphone | 300    |
| 5  | shampoo   | 7.5    |
+----+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from cart_product;
+-----+-----+
| Cart_id | products_id |
+-----+-----+
| 1       | 1           |
| 1       | 2           |
| 2       | 3           |
| 2       | 4           |
| 2       | 5           |
+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from cart;
+----+-----+-----+
| id | total  | customer_id |
+----+-----+-----+
| 1  | 4498.99 | 1           |
| 2  | 956.5   | 2           |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql> _
```

PUT – Update product price

```
C:\Windows\system32\cmd.exe

Product ID: 3, Name: Laptop, Price: 649.0
Product ID: 4, Name: Smartphone, Price: 300.0
Product ID: 5, Name: shampoo, Price: 7.5

C:\Users\admin\Desktop>curl --data "products=3,4,5&customer=2" http://localhost:7001/RestfulService/api/orders
Order added
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orders
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress
Order ID: 2, Customer Name: Erica, Total: 956.5, Products: Laptop, Smartphone, shampoo
C:\Users\admin\Desktop>curl -X PUT http://localhost:7001/RestfulService/api/products/4/250
Product Updated
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/products
Product ID: 1, Name: Diamond, Price: 3499.0
Product ID: 2, Name: Dress, Price: 999.99
Product ID: 3, Name: Laptop, Price: 649.0
Product ID: 4, Name: Smartphone, Price: 250.0
Product ID: 5, Name: shampoo, Price: 7.5

C:\Users\admin\Desktop>
```

```
MySQL 5.6 Command Line Client

+----+-----+-----+
| id | total | customer_id |
+----+-----+-----+
| 1  | 4498.99 | 1          |
| 2  | 956.5  | 2          |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from product;
+----+-----+-----+
| id | Name      | Price |
+----+-----+-----+
| 1  | Diamond   | 3499  |
| 2  | Dress     | 999.99 |
| 3  | Laptop    | 649    |
| 4  | Smartphone | 250    |
| 5  | shampoo   | 7.5    |
+----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

DELETE – Delete order with ID

```
C:\Windows\system32\cmd.exe
rs
Order ID: 1, Customer Name: Jessica, Total: 4498.99, Products: Diamond, Dress
Order ID: 2, Customer Name: Erica, Total: 956.5, Products: Laptop, Smartphone, s
hampoo

C:\Users\admin\Desktop>curl -X PUT http://localhost:7001/RestfulService/api/prod
ucts/4/250
Product Updated
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/prod
ucts
Product ID: 1, Name: Diamond, Price: 3499.0
Product ID: 2, Name: Dress, Price: 999.99
Product ID: 3, Name: Laptop, Price: 649.0
Product ID: 4, Name: Smartphone, Price: 250.0
Product ID: 5, Name: shampoo, Price: 7.5

C:\Users\admin\Desktop>curl -X DELETE http://localhost:7001/RestfulService/api/o
rders/1
Order Deleted
C:\Users\admin\Desktop>curl -X GET http://localhost:7001/RestfulService/api/orde
rs
Order ID: 2, Customer Name: Erica, Total: 956.5, Products: Laptop, Smartphone, s
hampoo

C:\Users\admin\Desktop>_
```

```
MySQL 5.6 Command Line Client

mysql> select * from product;
+----+-----+-----+
| id | Name   | Price |
+----+-----+-----+
| 1  | Diamond | 3499  |
| 2  | Dress  | 999.99 |
| 3  | Laptop | 649    |
| 4  | Smartphone | 250  |
| 5  | shampoo | 7.5   |
+----+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from customer;
+----+-----+-----+
| id | Name   | cart_id |
+----+-----+-----+
| 1  | Jessica | NULL    |
| 2  | Erica  | 2       |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from cart;
+----+-----+-----+
| id | total | customer_id |
+----+-----+-----+
| 2  | 956.5 | 2           |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from cart_product;
+-----+-----+
| Cart_id | products_id |
+-----+-----+
| 2       | 3           |
| 2       | 4           |
| 2       | 5           |
+-----+-----+
3 rows in set (0.00 sec)

mysql>
```