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/*
*****
*Author: Baruch Flores
*Homework 12: Bamazon
*UCB Extension - Full-Stack Bootcamp
*August 2018
*****
*/

```

Bamazon - DB

```

1  /*
2  *****
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4  *Homework 12: Bamazon
5  *UCB Extension - Full-Stack Bootcamp
6  *August 2018
7  *****
8  */
9
10
11 • DROP DATABASE IF EXISTS bamazon;
12 • CREATE DATABASE bamazon;
13 • USE bamazon;
14
15 • CREATE TABLE products(
16     item_id INT NOT NULL AUTO_INCREMENT,
17     product_name VARCHAR (50) NOT NULL,
18     department_name VARCHAR (50),
19     price FLOAT (8,3),
20     stock_quantity INT,
21     product_sales FLOAT(10,3) DEFAULT 0.0,
22     PRIMARY KEY(item_id)
23 );
24
25 • INSERT INTO products (product_name, department_name, price, stock_quantity)
26 VALUES ("soap", "body care", 1.5, 100),
27         ("diet coke", "sodas", .65, 500),
28         ("rice", "seeds", 3, 34),
29         ("jumbo shrimp", "frozen foods", 20, 300),
30         ("doritos", "snacks", 2.99, 15),
31         ("ground beef", "meats", 10, 20),
32         ("lime juice", "condiments", 4.99, 2),
33         ("sky vodka", "alcohol", 12.95, 80),
34         ("greek yogurt", "dairy", 6, 72),
35         ("salame", "cold cuts", 18, 50);
36
37 • SELECT * FROM products;
38 -- SELECT stock_quantity FROM products WHERE item_id = 2;
39
40
41 • CREATE TABLE departments (
42     department_id INT NOT NULL AUTO_INCREMENT,
43     department_name VARCHAR(50),
44     over_head_costs FLOAT(10,3),
45     PRIMARY KEY(department_id)
46 );
47
48 • INSERT INTO departments (department_name, over_head_costs)
49 VALUES ("body care", 25),
50         ("sodas", 10),
51         ("seeds", 8),
52         ("frozen foods", 12.2),
53         ("snacks", 99),
54         ("meats", 200),
55         ("condiments", 9.99),
56         ("alcohol", 80),
57         ("dairy", 40),
58         ("cold cuts", 55);
59
60

```

Bamazon – Customer View

Purchase - Success

```
b4ruch@IP-x360-15:/mnt/c/Users/b4ruc/OneDrive/07_Berkeley Matters/00 - Bootcamp/02 - Classes/12.Homework/bamazon$ node bamazonCustomer.js

-----
                        BAMAZON SUPER
-----

item_id  product_name  price
-----
1        soap      1.5
2        diet coke  0.65
3        rice       3
4        jumbo shrimp 20
5        doritos    2.99
6        ground beef 10
7        lime juice  4.99
8        sky vodka   12.95
9        greek yogurt 6
10       salame     18

? Product ID: 1
? Quantity: 10
Order Approved
Total Order Cost: $15.00

-----

b4ruch@IP-x360-15:/mnt/c/Users/b4ruc/OneDrive/07_Berkeley Matters/00 - Bootcamp/02 - Classes/12.Homework/bamazon$
```

Purchase – Fail

```
b4ruch@IP-x360-15:/mnt/c/Users/b4ruc/OneDrive/07_Berkeley Matters/00 - Bootcamp/02 - Classes/12.Homework/bamazon$ node bamazonCustomer.js

-----
                        BAMAZON SUPER
-----

item_id  product_name  price
-----
1        soap      1.5
2        diet coke  0.65
3        rice       3
4        jumbo shrimp 20
5        doritos    2.99
6        ground beef 10
7        lime juice  4.99
8        sky vodka   12.95
9        greek yogurt 6
10       salame     18

? Product ID: 10
? Quantity: 100000
Insufficient stock!

-----

b4ruch@IP-x360-15:/mnt/c/Users/b4ruc/OneDrive/07_Berkeley Matters/00 - Bootcamp/02 - Classes/12.Homework/bamazon$
```

Bamazon – Manager View

Menu

```
b4ruch@HP-x360-15:/mnt/c/Users/b4ruc/OneDrive/07_Berkeley Matters/00 - Bootcamp/02 - Classes/12.Homework/bamazon$ node bamazonManager.js

-----
                    BAMAZON SUPER - Manager View
-----

? Select an option: (Use arrow keys)
> View Products for Sale
  View Low Inventory
  Add to Inventory
  Add New Product
  Exit
```

View Products for Sale:

```
? Select an option: View Products for Sale
item_id  product_name  department_name  price  stock_quantity  product_sales
-----
1        soap        body care       1.5    88              18
2        diet coke    sodas           0.65   500             0
3        rice        seeds           3       34             0
4        jumbo shrimp frozen foods    20     300             0
5        doritos     snacks          2.99   12             8.97
6        ground beef meats          10     20             0
7        lime juice   condiments      4.99   2              0
8        sky vodka    alcohol         12.95  80             0
9        greek yogurt dairy          6      72             0
10       salame      cold cuts       18     50             0

-----
```

View Low Inventory

```
? Select an option: View Low Inventory
item_id  product_name  department_name  price  stock_quantity  product_sales
-----
7        lime juice   condiments      4.99   2              0

-----
```

Add to Inventory

```
? Select an option: Add to Inventory
? Product ID: 8
? Quantity: 20
    Product Inventory updated!
```

```
-----

? Select an option: (Use arrow keys)
> View Products for Sale
View Low Inventory
Add to Inventory
Add New Product
Exit
```

```
? Select an option: View Products for Sale
item_id  product_name  department_name  price  stock_quantity  product_sales
-----
1        soap      body care       1.5    88              18
2        diet coke   sodas           0.65   500             0
3        rice       seeds           3       34             0
4        jumbo shrimp frozen foods     20     300            0
5        doritos    snacks          2.99   12             8.97
6        ground beef meats           10     20             0
7        lime juice  condiments      4.99   2              0
8        sky vodka   alcohol         12.95  100            0
9        greek yogurt dairy           6       72             0
10       salame     cold cuts       18     50             0
```

Add New Product

```
-----

? Select an option: Add New Product
? Product Name: Apple Juice
? Department Name: Beverages
? Price: $ 9.99
? Quantity: 30
    Product Added!
```

```
? Select an option: View Products for Sale
item_id  product_name  department_name  price  stock_quantity  product_sales
-----
1        soap      body care       1.5    88              18
2        diet coke   sodas           0.65   500             0
3        rice       seeds           3       34             0
4        jumbo shrimp frozen foods     20     300            0
5        doritos    snacks          2.99   12             8.97
6        ground beef meats           10     20             0
7        lime juice  condiments      4.99   2              0
8        sky vodka   alcohol         12.95  100            0
9        greek yogurt dairy           6       72             0
10       salame     cold cuts       18     50             0
11       Apple Juice Beverages       9.99   30             0
```

Bamazon – Supervisor View

Menu

```
b4ruch@HP-x360-15:/mnt/c/Users/b4ruc/OneDrive/07_Berkeley Matters/00 - Bootcamp/02 - Classes/12.Homework/bamazon$ node bamazonSupervisor.js

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BAMAZON SUPER - Supervisor View
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? Select an option: (Use arrow keys)
> View Product Sales by Department
  Create New Department
  Exit
```

View Product Sales by Department

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-----
BAMAZON SUPER - Supervisor View
-----

? Select an option: View Product Sales by Department
department_id  department_name  over_head_costs  product_sales  total_profit
-----
1              body care      25               18             -7
2              sodas          10               0              -10
3              seeds          8                0              -8
4              frozen foods   12.2             0              -12.2
5              snacks        99               8.97           -90.03
6              meats         200              0              -200
7              condiments     9.99             0              -9.99
8              alcohol        80               0              -80
9              dairy          40               0              -40
10             cold cuts     55               0              -55
-----
```

Create Department

```
-----

? Select an option: Create New Department
? Department Name: Beverages
? Overhead Costs: $ 20
  Department Added!
-----
```

```
-----

? Select an option: View Product Sales by Department
department_id  department_name  over_head_costs  product_sales  total_profit
-----
1              body care      25               18             -7
2              sodas          10               0              -10
3              seeds          8                0              -8
4              frozen foods   12.2             0              -12.2
5              snacks        99               8.97           -90.03
6              meats         200              0              -200
7              condiments     9.99             0              -9.99
8              alcohol        80               0              -80
9              dairy          40               0              -40
10             cold cuts     55               0              -55
11             Beverages     20               0              -20
-----
```