

Bamazon: Javascript, Node.js & MySQL

This app is similar to Amazon's storefront: the customer view displays the products available for sale and allows the customer to place an order reducing inventory count. In manager view, the manager can see available inventory with a quantity less than 5, manage existing inventory and add new products.

Getting Started

Create MYSQL database called bamazon_DB. Then create a table called products which includes item_id, product_name, department_name, price and stock_quantity.

Bamazon Customer

Navigate to the root of your project. Then in the terminal command line run `node bamazonCustomer.js`, this will display the products available for sale.

Then it prompts the customer to provide the item number of the product they would like to buy and the quantity. The app will check if there's enough quantity to full fill the customer's order and the transaction is processed and outputs the customer's total dollar order amount. If there's not enough product available, the customer will receive a message 'Insufficient quantity!'.

Mysql database and Bamazon Customer Screenshots

Host: localhost Query* Query #2* x Query #3* x

```

1 DROP DATABASE IF EXISTS bamazon_BD;
2 CREATE DATABASE bamazon_DB;
3 USE bamazon_DB;
4
5 CREATE TABLE products (
6   item_id INTEGER(11) AUTO_INCREMENT NOT NULL,
7   product_name VARCHAR(100) NOT NULL,
8   department_name VARCHAR(100) NOT NULL,
9   price DECIMAL(10,2) NOT NULL,
10  stock_quantity INTEGER(10) NOT NULL,
11  PRIMARY KEY (item_id)
12 );
13
14 Run Selection Ctrl+F9
15

```

products (5x12)

item_id	product_name	department_name	price	stock_quantity
1	iPhone X	Electronics	1,000.00	10
2	MacBook	Electronics	1,200.00	10
3	Chemitrybook	Office Supplies	30.00	80
4	Toshiba Color Printer Ink	Office Supplies	70.00	20
5	Steak Knives	Household	20.00	5
6	Flatware sets	Household	150.00	15
7	Raincoat	Clothing	50.00	20
8	Shorts	Clothing	25.00	200
9	Jacket	Clothing	40.00	45
10	Dog Bed	Pets	20.00	50
11	Trampoline	Outdoors	100.00	30
12	Collar and leash	Pets	50.00	45

```

Mommy@DESKTOP-TQV57H8 MINGW64 ~/Desktop/code/homework/Bamazon (master)
$ node bamazonCustomer.js

WELCOME TO THE BAMAZON STORE!

? Would you like to browse the available products? Yes
Product ID: 1
Name: iPhone X
Price: $1000

Product ID: 2
Name: MacBook
Price: $1200

Product ID: 3
Name: Chemitrybook
Price: $30

Product ID: 4
Name: Toshiba Color Printer Ink
Price: $70

Product ID: 5
Name: Steak Knives
Price: $20

Product ID: 6
Name: Flatware sets

```

```
Product ID: 7
Name: Raincoat
Price: $50

Product ID: 8
Name: Shorts
Price: $25

Product ID: 9
Name: Jacket
Price: $40

Product ID: 10
Name: Dog Bed
Price: $20

Product ID: 11
Name: Trampoline
Price: $100

Product ID: 12
Name: Collar and leash
Price: $50

Product ID: 13
Name: Rival Crock-pot
Price: $12
```

```
Product ID: 13
Name: Rival Crock-pot
Price: $12

? Please enter the product ID you wish to purchase 10
? Please enter the quantity to purchase 2
Your purchase completely process! Total cost: $40
? Would you like to make another purchase? No
Thank you for shopping, have a nice day!
```

Bamazon Manager

Navigate to the root of your project. Then in the terminal command line run `node bamazonManager.js`, this will display a menu option to the manager.

If the manager selects, “View Products for Sale” it will display all the available products for sale.

Screenshot

```
$ node bamazonManager.js

WELCOME TO THE BAMAZON MANAGER VIEW

? Please select a menu option: View Products for Sale

All Products

Item ID  Product                Department    Price($)  Quantity in Stock
-----  -
1        iPhone X                Electronics  1000      10
2        MacBook                 Electronics  1200      13
3        Chemitrybook            Office Supplies  30        81
4        Toshiba Color Printer Ink Office Supplies  70        24
5        Steak Knives            Household    20        5
6        Flatware sets           Household    150       15
7        Raincoat                Clothing     50        20
8        Shorts                  Clothing     25        200
9        Jacket                  Clothing     40        45
10       Dog Bed                 Pets         20        50
11       Trampoline              Outdoors    100       30
12       Collar and leash        Pets         50        45
13       Rival Crock-pot         household    12        20

? Would you like to view the menu? Yes
? Please select a menu option: View Low Inventory
```

If the manager selects, “View Items with Low Inventory”, it will display products with a quantity of 5 or less.

Screenshot

```
? Would you like to view the menu? Yes
? Please select a menu option: View Low Inventory

Low Inventory

Item ID  Product                Department    Price($)  Quantity in Stock
-----  -
1        iPhone X                Electronics  1000      10
2        MacBook                 Electronics  1200      13
5        Steak Knives            Household    20        5
6        Flatware sets           Household    150       15
```

If the manager selects, “Add Inventory to an Item” from a list, it will add more inventory to an existing product.

Screenshot

```
? Would you like to view the menu? Yes
? Please select a menu option: Add to Inventory
? Please enter the ID number of the item you'd like to update. 3
? How many units of this item would you like to add? 5

The inventory has been successfully updated!

? Would you like to update another item? Yes
? Please enter the ID number of the item you'd like to update. 4
? How many units of this item would you like to add? 3

The inventory has been successfully updated!
```

If the manager, selects “Add a New Product”, it will add a brand new product.

Screenshot

```
? Would you like to update another item? No
? Would you like to view the menu? Yes
? Please select a menu option: Add New Product
? Please enter the product name: LG8 Phone
? Please enter the department name: electronic
? Please enter the product's price: 298
? Please enter the quantity of the product: 2

LG8 Phone was successfully added to the inventory!

? Would you like to view the menu? Yes
? Please select a menu option: Exit

HAVE A NICE DAY!
```

Technology used

- Javascript
- Node.js (<https://nodejs.org/en>) - Framework
- JSON (<http://www.json.org>) - Data format
- MySQL (<https://www.mysql.com>) - Database

Author

- Joanna Yang - (<https://github.com/joayang>)

Acknowledgments

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