# 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**

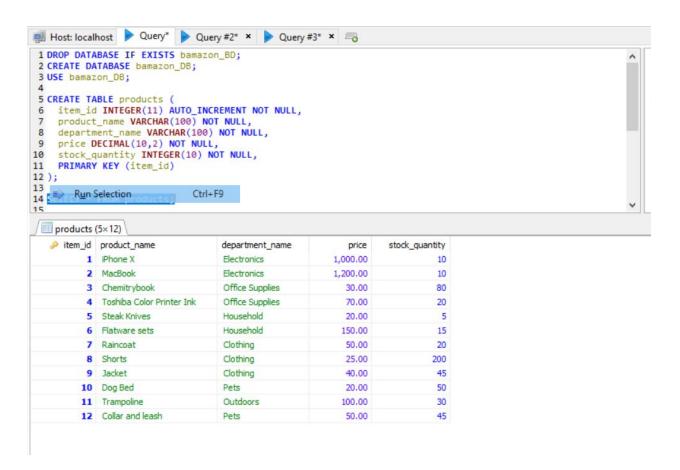
Create MYSQL database called bamazon\_DB. Then create a table called products which includes item id, product name, department name, price and stock quantity.

### **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



```
ESKTOP-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
```

```
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 bamanzonManager.js
 Please select a menu option: View Products for Sale
All Products
Item ID Product
                                                  Price($) Quantity in Stock
                                   Department
        iPhone X Electronics 1000
MacBook Electronics 1200
Chemitrybook Office Supplies 30
                                                              10
                                                              81
        Toshiba Color Printer Ink Office Supplies 70
                                                              24
                       Household
Household
        Steak Knives
                                                 20
                                 Household
                                                  150
        Flatware sets
                                Clothing
Clothing
Clothing
                                                  50
        Raincoat
                                                              20
        Shorts
                                                   25
                                                              200
                                                  40
        Jacket
                                 Pets
        Dog Bed
10
                                                   20
                                                              50
        Trampoline
                                 Outdoors
                                                  100
11
                                                              30
        Collar and leash
                                 Pets
                                                   50
13
        Rival Crock-pot
                                  household
                                                   12
                                                              20
 Would you like to view the menu? Yes
```

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**

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# **Acknowledgments**

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