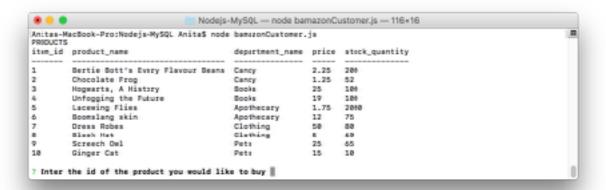
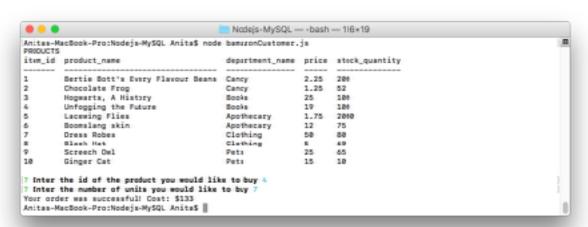
Node.js & MySql project

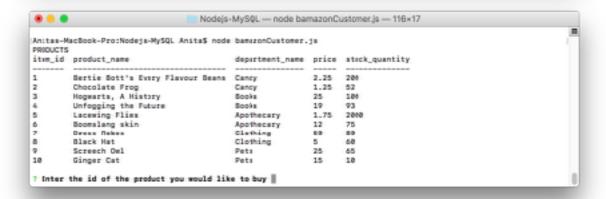
Goal: Update a sql database containing a Harry Potter magical store as a customer, manager, and supervisor.

Customer View



- a. shows the products for purchase
- b. displays input field for item_id that customer wants to buy
- c. displays input field for number of units customer wants to buy
 - a. if there are enough in stock_quantity to fulfill the order, successful message and cost of the order is displayed, and the database is updated with the reduced quantity.

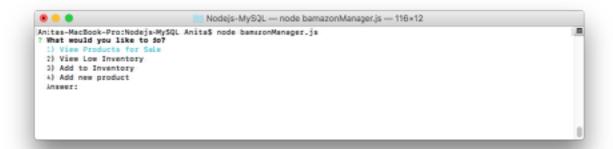




b. if there aren't enough units in stock, message appears informing customer.

```
Nodejs+MySQL — -bash — 116×19
Anitas-MacBook-Pro:Nodejs-MySQL Anita$ node bamszonCustomer.js
PRODUCTS
item id product name
                                           department name price stock quantity
        Bertie Bott's Every Flavour Beans Cancy
                                                            2.25 288
                                  Cancy
        Chocolate Frog
                                                             1.25 52
                                                            25
19
        Mogwarts, A History
                                           Books
                                                                     188
        Unfogging the Future
Lacewing Flies
                                           Books
                                                                    188
5
                                          Apothecary
                                                             1.75 2000
        Boomslang skin
                                           Apothecary
        Oress Robes
                                           Clothing
                                                            58
                                                                    88
                                            Clathing
        Screech Owl
                                           Pets
                                                             25
                                                                    65
10
        Ginger Cat
                                                             15
                                                                    18
7 Inter the id of the product you would like to buy 10
7 Inter the number of units you would like to buy 12
Sorry, there aren't enough items in stock to fulfill this order
Anitas-MacBook-Pro:Nodejs-MySQL AnitaS |
```

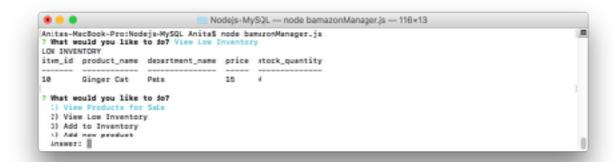
2. Manager View



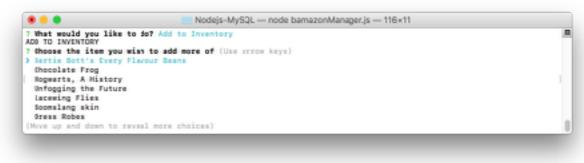
- a. prompts the manager to choose an activity
 - a. 1) View Products for Sale shows all products

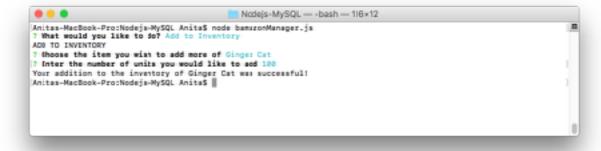
```
Nodejs-MySQL --- node barnazonManager.js --- 116 * 23
An:tas-MacBook-Pro:Nodejs-MySQL Anita$ node bamszonManager.js
7 What would you like to do? View Products for Sale
PRODUCTS FOR SALE
item_id product_name
                                           department_name price stock_quantity
        Bertie Bott's Every Flavour Beans Cancy
                                                    2.25 200
        Chocolate Frog
Hogwarts, A History
Unfogging the Future
                                           Cancy
                                                             1.25 52
3
                                                             25
19
                                                                    188
                                            Books
                                            Books
                                                                     93
                                                             1.75 2000
5
        Lucewing Flies
                                            Apothecary
        Dress Robes
                                                             12 78
50 80
                                            Apathonory
                                           Clothing
        Block Hat
                                            Clothing
                                                                    68
                                                             5
        Screech Owl
                                            Pets
                                                             25
                                                                    65
18
        Ginger Cat
                                            Pets
                                                             15
                                                                    18
? What would you like to do?
  2) View Low Inventory
 3) Add to Inventory
  4) Add new product
  Answer:
```

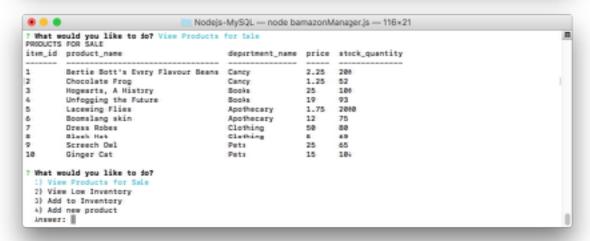
b. 2) View Low Inventory shows items that have less than 5 in stock



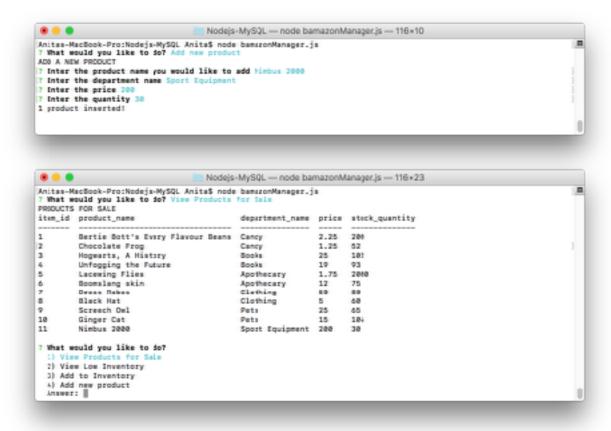
c. 3) Add To Inventory prompts manager to select from a list of products and add a value greater than 0. Ginger Cats now has a stock_quantity of 104!







d. 4) Add New Product allows the manager to add a product to the database. The nimbus 2000 broom has been inserted into the table!



Supervisor View

The supervisor is prompted to do one of two things:

```
Nodejs-MySQL — node bamazonSupervisor.js — 116*5

Anitas-MacBook-Pro:Nodejs-MySQL Anita$ node bamazonSupervisor.js

7 What would you like to 507

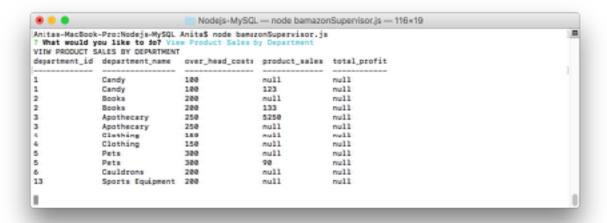
1) View Product Sales by Department
2) Create New Department
Answer:
```

a. 1) View Product Sales by Department

// not currently working...had to add total_profit to the table. Tried:

SELECT departments.department_id, departments.department_name, departments.over_head_costs, products.product_sales, SUM(products.product_sales-departments.over_head_costs) AS total_profit FROM departments

LEFT JOIN products ON departments.department_name=products.department_name GROUP BY departments.department_name;



b. 2) Create New Department

```
Nodejs-MySQL — node bamazonSupervisor.js — 116×5

Anitas-MacBook-Pro:Nodejs-MySQL Anita$ node bamazonSupervisor.js

1) View Product Sales by Department
2) Create New Department
Answer: 2||

Nodejs-MySQL — node bamazonSupervisor.js — 116×7

Anitas-MacBook-Pro:Nodejs-MySQL Anita$ node bamazonSupervisor.js

That would you like to do? Create New Department
CRIATE NEW DEPARTMENT

Inter the name of the new department you would like to add Candy

That department already exists
```

If an existing department is being added, a prompt appears. Otherwise, it is added:

```
Nodejs-MySQL — node barnazonSupervisor.js — 116×19
Anitas-MacBook-Pro:Nodejs-MySQL Anita$ node bamaronSupervisor.js
? What would you like to 50? Greate New Department
                                                                                                                                     .
CREATE NEW DEPARTMENT
7 Inter the name of the new department you would like to add Sports Equipment
7 Inter the overhead costs for the new department 200
DEPARTMENTS
department_id department_name over_head_costs
                 Candy
                                     100
                 Apothecary
Clashing
3
                                     258
                                     150
5
                 Pets
                                     388
                 Cauldrons
                                     200
13
                 Sports Equipment 200
New department inserted!
Ш
```