Programming for a shopping website
Project Group 11

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CSE 1002 Introduction to Computer Science and Software Engineering(Intro to CSE)
Class Section 1
Litany Lineberry
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I.   Andrew Banks   C++, Python, HTML, and Javascript

Write manager of your group: Andrew Banks

1. Project's Problem Specification:
The job requires to build a program that's act like a shopping website for which the user can be able to shop for whatever the items that are listed for such and depending upon the item quantity , name ,and a description of the item that are display

2. Understand the problem and Formulate the Model:
The program must have a login feature that will see if they have an account or not. If not they it will ask the user to make an account for which afterward they can look through the shopping website into the different categories and selected the amount they want and the item itself which then is store and save for which can be save for delivery for a later date or be bought once added to cart.

3. Design your project and Write the program/interview questions (Development):
The program follows the layout that the user will promote to enter in their name afterward the program will promote to the user the categories for which the user can enter a name that is available and an amount that they want to have as long it is less than or equal to the amount that is in stock. Afterward the user will shown the total amount of the items that the user has added to their cart.
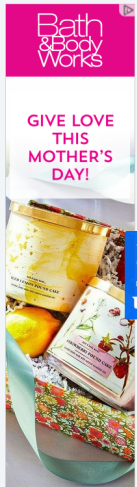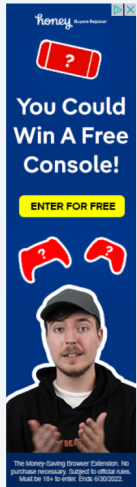
4. Testing:
The main errors for the program are that the program is not able to append the correct information to the cart list as well as reading the information form the different lists such as making sure the price is multiple by the correct amount of items that the user requested to buy and not ordering more than what is available.

4.1 Sample Execution:

Window 1:

```
Welcome to the website program
Please enter in your name:
Andrew
Welcome Andrew, to the Website program
Please select form the following catagories or type checkout to proceed to checkout
Jewels, Movies, Food
Enter which the name of the catagories you want to look through:
Jewels
Item: Ruby
Amount in Stock: 12
Price: 12.2
Item: Emerald
Amount in Stock: 15
Price: 514.0
Item: Quartz
Amount in Stock: 0
Price: 120.0
Item: Sapphire
Amount in Stock: 22
Price: 538.0
Please enter in the name of the item you want or type exit to return to the main screen:
Sapphire
Please enter in the amount of the item you want:
15
Please enter in the name of the item you want or type exit to exit:
Ruby
Please enter in the amount of the item you want:
10
Please enter in the name of the item you want or type exit to exit:
exit
Enter which the name of the catagories you want to look through:
Movies
```
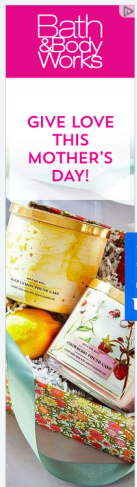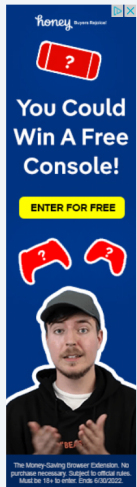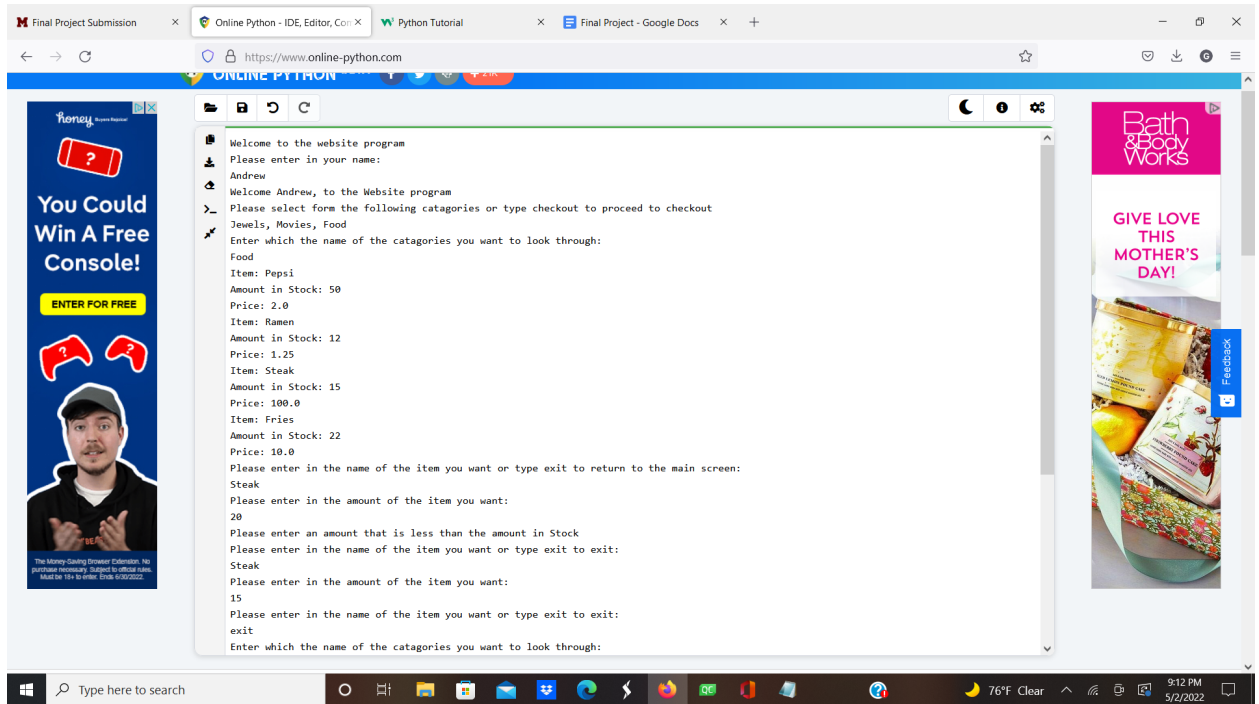
Window 2:

```
Price: 20.0
Item: Halloween
Amount in Stock: 15
Price: 20.0
Item: Godzilla
Amount in Stock: 2
Price: 10.0
Please enter in the name of the item you want or type exit to return to the main screen:
Godzilla
Please enter in the amount of the item you want:
1
Please enter in the name of the item you want or type exit to exit:
exit
Enter which the name of the catagories you want to look through:
exit
Sapphire
Price: 8070.0
Ruby
Price: 122.0
Godzilla
Price: 10.0
Total: 8202.0
Please enter in your email address:
Andrewbansk@gmail.com
Please enter in a shipping address for the items:
1811 washighton Drive
The items will be ship to this address: 1811 washighton Drive
Confromation email has been sent to this email address: Andrewbansk@gmail.com


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

Welcome to the website program
Please enter in your name:
Andrew
Welcome Andrew, to the Website program
Please select form the following catagories or type checkout to proceed to checkout
Jewels, Movies, Food
Enter which the name of the catagories you want to look through:
Food
Item: Pepsi
Amount in Stock: 50
Price: 2.0
Item: Ramen
Amount in Stock: 12
Price: 1.25
Item: Steak
Amount in Stock: 15
Price: 100.0
Item: Fries
Amount in Stock: 22
Price: 10.0
Please enter in the name of the item you want or type exit to return to the main screen:
Steak
Please enter in the amount of the item you want:
20
Please enter an amount that is less than the amount in Stock
Please enter in the name of the item you want or type exit to exit:
Steak
Please enter in the amount of the item you want:
15
Please enter in the name of the item you want or type exit to exit:
exit
Enter which the name of the catagories you want to look through:

5.Analysis and Conclusions:

The original goals are to create a site that will log the user in via password and username. Which will allow the user to enter upon the amount of a certain items that will then be store upon a list that will be checkout for which the user will be able to enter a email and shipping address for the items and the program will exit for it.

References:

W3 schools website for python
https://www.w3schools.com/python/default.asp