Students:

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4.27 Online shopping cart Lab

Upload your screenshot to blackboard with your points and name showing. No exceptions

Due at 11:59pm on Friday 2/15/2019.

(1) Create three files to submit:

- ItemToPurchase.h - Class declaration
- ItemToPurchase.cpp - Class definition
- main.cpp - main() function

Build the ItemToPurchase class with the following specifications:

- Default constructor
- Public class functions (mutators & accessors)
- SetName() & GetName() (2 pts)
- SetPrice() & GetPrice() (2 pts)
- SetQuantity() & GetQuantity() (2 pts)
- Private data members
- string itemName - Initialized in default constructor to "none"
- int itemPrice - Initialized in default constructor to 0
- int itemQuantity - Initialized in default constructor to 0

(2) In main(), prompt the user for two items and create two objects of the ItemToPurchase class. Before prompting for the second item, call cin.ignore() to allow the user to input a new string. (2 pts)

Ex:

```
Item 1
Enter the item name:
Chocolate Chips
```

```
Chocolate Chips
Enter the item price:
3
Enter the item quantity:
1

Item 2
Enter the item name:
Bottled Water
Enter the item price:
1
Enter the item quantity:
10
```

(3) Add the costs of the two items together and output the total cost. (2 pts)

Ex:

```
TOTAL COST
Chocolate Chips 1 @ $3 = $3
Bottled Water 10 @ $1 = $10

Total: $13
```

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Current file: main.cpp

```
1
```

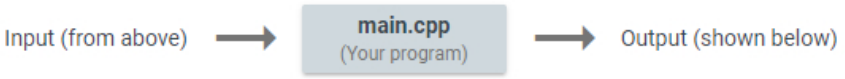
Develop mode | Submit mode

Run your program as often as you'd like, before submitting for grading. Below, type any needed input values in the first box, then click **Run program** and observe the program's output in the second box.

Enter program input (optional)

If your code requires input values, provide them here.

Run program



Program output displayed here

Trouble with lab?

↓ 5.1 Data structures