Test cases and expected results for Assignment #1

The following are the test cases. The output provides an example of the prompts and messages and then shows the computed results. Only the numeric output for Cost, Tax and Total is checked.

#TEST 1: A null order (3 marks)
q

Test Result
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: q

Cost :   0.00
 Tax :   0.00
Total :   0.00

#TEST 2: Testing with 2 eggs, 1 bacon, and 1 tea (3 marks)
egG
2
BACon
1
tea
1
q

Test Result
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: egG
Enter quantity :2
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: BACon
Enter quantity :1
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: tea
Enter quantity :1
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: q

Cost :   3.36
 Tax :   0.44
Total :   3.80

#TEST 3: Testing with 2 big breakfasts, 1 small breafast, 2 coffees, and 1 tea (4 marks)
 BiG BreaKFAST
2
small breAkfast
1
COffEE
2
 TEA
1
Q

__Test Result__
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: BiG BreaKFAST
Enter quantity :2
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: small breAkfast
Enter quantity :1
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: COffEE
Enter quantity :2
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: TEA
Enter quantity :1
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: Q

Cost :   41.14
 Tax :   5.35
Total : 46.49

#TEST 4: Testing with item not on the menu (3 marks)
 french toast
FRENCH TOAST
hash BROWN
1
q

__Test Result__
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: french toast
This is not a menu item
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: FRENCH TOAST
This is not a menu item
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: hash BROWN
Enter quantity :1
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: q

Cost :   1.19
 Tax :   0.15
Total :   1.34

#TEST 5: Testing a quantity that is not numeric (3 marks)
regular breakfast
glkd
1
q

Test Result
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea:
regular breakfast
Enter quantity :glkd
This is not a quantity
Enter quantity :1
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: q

Cost :   9.69
 Tax :   1.26
Total : 10.95

#TEST 6: Testing a normal order (4 marks)
egg
2
toast
2
hash brown
1
bacon
2
coffee
1
Q

Test Result
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: egg
Enter quantity :2
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: toast
Enter quantity :2
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: hash brown
Enter quantity :1
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: bacon
Enter quantity :2
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: coffee
Enter quantity :1
Enter item (q to terminate): small breakfast, regular breakfast, big breakfast, egg, bacon, sausage, hash brown, toast, coffee, tea: Q

Cost :   6.82
 Tax :   0.89
Total :   7.71