

Final Project Validation Testing

Test One:

Cost of raw materials: 2.29

Cost of seller fees: 0.60

Cost of listing fees: 0.20

Cost of shipping supplies: 0.15

Cost of shipping supplies: 4.25

This iteration looks okay, but I realized that it presents the profit margin as 160%, which would imply that you are making a 160% profit. On an item that costs \$7.49 to produce, a 160% profit would require a price of \$19.47, selling the item for 12 gives us a profit of 60.21%. I will update this by subtracting 100 from the percentage (100 represents the price to produce the item).

The first screenshot shows initial cost inputs: Cost of raw materials (2.29), Cost of seller fees (.6), Cost of listing fees (.2), Cost of shipping supplies (.15), and Cost of shipping label (4.25). It calculates Total cost to produce (7.490000) and Price for this item (11.235000). A Compute the profit margin of this price button is shown with a value of 160.213618 %.

The second screenshot shows the same cost inputs, but the price for this item is now 11.235000, indicating the price to produce has been subtracted from the total cost.

The third screenshot shows updated cost inputs: Cost of raw materials (8.27), Cost of seller fees (.6), Cost of listing fees (.2), Cost of shipping supplies (1.39), and Cost of shipping label (6.96). It calculates Total cost to produce (17.420000) and Price for this item (26.130000). A Compute the profit margin of this price button is shown with a value of 100.918485 %.

Test Two:

Raw materials: 8.27

Seller fee: 0.60

Listing fee: 0.20

Shipping materials: 1.39

Shipping fee: 6.69

I noticed during this trial that the undo button wasn't working properly for the undo compute price for the item. I fixed this issue by changing the setNumber statement to the correct one, as I had accidentally set them both to the costField.

This screenshot shows updated cost inputs: Cost of raw materials (8.27), Cost of seller fees (.6), Cost of listing fees (.2), Cost of shipping supplies (1.39), and Cost of shipping label (6.96). It calculates Total cost to produce (17.420000) and Price for this item (26.130000). A Compute the profit margin of this price button is shown with a value of 100.918485 %.

Test Three:

Raw materials: 10.76

Seller fee: 0.60

Listing fee: 0.20

Shipping materials: 3.21

Shipping fee: 8.72

Profit Calculator

Cost of raw materials	10.76
Cost of seller fees	.6
Cost of listing fees	.2
Cost of shipping supplies	3.21
Cost of shipping label	8.72
<input type="button" value="Compute price to produce item"/> <input type="button" value="Undo"/>	
Total cost to produce	23.490000
<input type="button" value="Compute price for item"/> <input type="button" value="Undo"/>	
Price for this item	35.235000
Enter the price you would like to use for this item.	45
<input type="button" value="Compute the profit margin of this price"/>	91.570881 %
<input type="button" value="Exit"/>	

This test gave me the exact results I was hoping for. Each button functions properly, including the compute buttons, undo buttons, and the exit button.