Nathan Tsai

Prof. Smallberg

CS31

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Project 2 Report

1. I ran into a couple of notable obstacles while coding this project. I forgot to use the cin.ignore(10000,’\n’); code segment after each intake of numeric variables, which messed up my output. Thankfully, I remembered the tip that Smallberg gave during his lecture. I also had a hard time figuring out how to calculate it all with if and else statements; however, after a good length of time, I managed to play around with the code until I got what I wanted.
2. Format: (units, title, base price, premium y/n)

Tried with units less than 400 to test my code (359, Test1, 14.13, n)

Tried with units between 400 and 1200 to test if premium worked (659, Test2, 19.67, y)

Tried with units more than 1200 to test algorithm (1367, Test3, 20.54, n)

Tried with zero units to see if result was $0.00 (0, Test4, 13.13, y)

Tried with negative units to test error (-5), error happens right after first input

Tried with empty string (5, “”) error happens after empty string occurs

Tried with negative base price (67, Test5, -17.17)

Tried not using yes or no (67, Test6, 15.16, h)

Lastly Tried the given example to make sure the answers were exactly the same.

(558, Cretaceous World, 19.15, y) = $1173.51, which matched my output with same input data put in.