**Obstacles**

Using if/else chain of commands

* For calculating royalty – difficult to sort out conditions for unit numbers and how to calculate royalties for different unit numbers
* For writing the final line after the three hyphens – had to be careful with sorting out the order of statements to make sure that the program would work according to what the spec specified
* Confusing n general because there is a whole chain of if/else statements and I had to make sure all the curly brackets were in the right place and that all the statements were contained where they should be in the right brackets

Using getline and cin.ignore

* I didn’t use these at first and my program messed up and I had to go back and figure out why my program was skipping some commands

**Test data**

Format

(unit, title, base price, premium)

(one hundred, A Day in the Life of a CS Student, 15.60, y)

* To see how program would react with worded out number instead of just numbers
* Program does not work because “one hundred” is not an integer, which is what we defined units to be

(100, A Day in the Life of a CS Student, fifteen dollars and sixty cents, y)

* To see how program would react with worded out price instead of just numbers
* Program does not work because “fifteen dollars and sixty cents” is not a double number, which is what we defined base price to be

(100, A Day in the Life of a CS Student, $15.60, y)

* To see how program would react with $ unit in front of base
* Program does not work because $ is not a double numbed, which is what we defined base price to be

(100 units, A Day in the Life of a CS Student, 15.60, y)

* To see how program would react with the word “units” behind the integer value of units
* Surprisingly, program continued to work, maybe because units comes after 100 and a space character

(100 , 203948, 15.60, y)

* To see how program would react with numbers instead of a word title
* Program would work fine because numbers are a string and title was defined as a string

(100 , A Day in the Life of a CS Student, 15.60, no)

* To see how program would react with “no” instead of “n”
* Program would treat “no” that as a “y” because if/else statement is: if (premium == "n") …; else …;
* Any input or no input into premium question (e.g. “yes”, “premium”, “non-premium”, “random words”, “random numbers”, “”, “ “) that is not “n” will be treated as a “y”

Not putting anything in the units / Putting enters or spaces in the units

- Nothing will happen and program will not continue running until character(s) is/are put in

Not putting anything in the base price / Putting enters or spaces in the base price

- Nothing will happen and program will not continue running until character(s) is/are put in