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Project 2 Report

**Problems faced while doing project 2:**

In the planning phase of how to approach the program, my initial idea was to have the user input all of the values first and then check if they were valid or not. However, in order to comply with the project spec, the first incorrect input should be outputted and end the program and I had trouble figuring out the best way to do it. I overcame this problem by having each of the values checked when they are inputted, that way, the first incorrect input would prompt the error message and end the program then and there.

**Test Data:**

To test for correct vehicle values:

* ‘3’ ‘S’ ‘X’
  + Ensures that correct values would prompt the next question
* ‘s’ ‘x’ ‘4’ ‘a’ b’ ‘c’
  + Wrong values should prompt error message

Kind value:

* “Performance” “Long Range”
  + Correct values should prompt next question
* “performance” “long range”
  + Must match case sensitivity of program
* “123” “a” “b”
  + All other incorrect values should report error message

Color value:

* “White” “Black” “Blue” “Grey” “Red”
  + Prompt next question
* “123” “Green” “Yellow”
  + Colors not listed should prompt error message
* “ White” “Black “ “B lue”
  + Extra spaces between letters should prompt error message

Wheel Value:

* When vehicle type is 3: “20” “21” “22”
  + Values that aren’t “18” or “19” should prompt error message
* When vehicle type is S: “18” “20” “22”
  + Values that aren’t “19” or “21” should prompt error message
* When vehicle is X: “18” “19” “21”
  + Values that aren’t “20” or “22” should prompt error message

Leather & Auto Pilot values:

* “Yes” “No”
  + Move on to next part of code and price calculation
* “yes” “no” “ Yes” “No “
  + Should prompt error messages because string does not match perfectly

Price Calculations:

* Used the online website created by Professor Stalh to select different configurations of cars and checked to see if it matched the calculation outputted by the program I wrote