Project 2 report:

1. The notable obstacle I met is that after writing the program and running it, I found that although I can input values and the program can output values, the result I get from it is not correct. I then doubled-checked the formula and all else-if loops I wrote but found no errors. Eventually, by checking from the beginning of the program to its end, I noticed that I declared a data type twice (both within and out of the loop), so it has cleaned the previous value out of the loop. I then deleted the data type declarations in the loop and the program can work accurately.
2. Odometer start at zero: (0,23,4,Richard Petty, y, 4)

Odometer begins with negative: (-1, 534,4,Richard Petty,n,9)

End of odometer is the same with the start of odometer:(343,343,4,Richard Petty,y,12)

End of odometer is earlier than the start of odometer:(54,23,5,Richard Petty,n,3)

Rental day is zero:(23,45,0,Richard Petty,y,6)

Rental day is negative:(34,657,-23,Richard Petty,n,12)

Customer name is three word long:(254,540,2,Richard Petty Cathy, n,8)

Customer name is empty:(54,908,2,,n,2)

The status is luxury:(2,501,3,Richard Petty,y,11)

The status is not luxury:(6,700,4,Richard Petty,n,10)

The status is not “y” or “n”:(43,642,5,Richard Petty,k,1)

The month number is from 3 to 10:(42,75,6,Richard Petty,y,5)

The month number is 12:(3,62,8,Richard Petty,n,12)

The month number is not from 1 to 12:(61,765,8,Richard Petty,y,15)

\*\* 1 point off for insufficient test cases – to thoroughly test your program you should have tested for the constraints of different mileage amounts (e.g. under 100 miles, over 100 under 500) as the spec asks to calculate differently based on different mileage amounts \*\*