Project 2 Report

Initially, I had some bugs, because I did not know exactly how to structure the if ladder, so when the input data was inacceptable (such as a negative starting odometer reading), my program would both display the error message and try to display the rental charge. However, I fixed this problem by forgoing the if ladder in favor of using the return statement after every error case.

List of test data (note that in most of these cases, the program will end before the user can give all of the input listed):

* Every single error case is satisfied:
  + Odometer at start: **-1**
  + Odometer at end: **-2**
  + Rental days: **-3**
  + Customer name:
  + Luxury car? (y/n): **-4**
  + Month (1=Jan, 2=Feb, etc.): **-5**
* Only first error case is satisfied:
  + Odometer at start: **-1**
  + Odometer at end: **1**
  + Rental days: **2**
  + Customer name: **Siddarth Chalasani**
  + Luxury car? (y/n): **n**
  + Month (1=Jan, 2=Feb, etc.): **10**
* Only second error case is satisfied:
  + Odometer at start: **0**
  + Odometer at end: **-1**
  + Rental days: **2**
  + Customer name: **Siddarth Chalasani**
  + Luxury car? (y/n): **n**
  + Month (1=Jan, 2=Feb, etc.): **10**
* Only third error case is satisfied:
  + Odometer at start: **0**
  + Odometer at end: **1**
  + Rental days: **-2**
  + Customer name: **Siddarth Chalasani**
  + Luxury car? (y/n): **n**
  + Month (1=Jan, 2=Feb, etc.): **10**
* Only fourth error case is satisfied:
  + Odometer at start: **0**
  + Odometer at end: **1**
  + Rental days: **2**
  + Customer name:
  + Luxury car? (y/n): **n**
  + Month (1=Jan, 2=Feb, etc.): **10**
* Only fifth error case is satisfied:
  + Odometer at start: **0**
  + Odometer at end: **1**
  + Rental days: **2**
  + Customer name: **Siddarth Chalasani**
  + Luxury car? (y/n): **No**
  + Month (1=Jan, 2=Feb, etc.): **10**
* Only sixth error case is satisfied:
  + Odometer at start: **0**
  + Odometer at end: **1**
  + Rental days: **2**
  + Customer name: **Siddarth Chalasani**
  + Luxury car? (y/n): **n**
  + Month (1=Jan, 2=Feb, etc.): **0**
* No errors in user input:
  + Odometer at start: **0**
  + Odometer at end: **1**
  + Rental days: **2**
  + Customer name: **Siddarth Chalasani**
  + Luxury car? (y/n): **n**
  + Month (1=Jan, 2=Feb, etc.): **10**