1. The first problem I had was about getting all the inputs. Specifically, I forgot the cin.ignore line before getting the name line and so the name kept being blank. I figured it out by going through the lecture again. I also ran into a bit of trouble with all the booleans for the output, but I eventually figured out that I had gotten confused with the not interacting with the or, which I eventually fixed.

Test cases:

Odometer at start: **(0, 50, 500, 500)**

Odometer at end: **(0, 130, 900, 2200)**

Rental days: **(0, 2, 5, 200)**

Customer name: **(Bob, Billy joel, Lebron James Jr, John Fitzgerald Kennedy Jr)**

Luxury car? (y/n): **(y, n, y, n)**

Starting month (1=Jan, 2=Feb, etc.): **(11, 4, 10, 4)**

First test would be to ensure the code could handle getting 0s for input and would output 0 for charge.

Second test would be to check if the code correctly calculates the charge for distance <100 miles

Third test would be to check if the luxury car rate works, and if the code correctly calculates the charge for distance >100 and <600 miles (also testing that rate in winter months)

Fourth would be to test if the calculation works for distance >600 miles and to ensure that the >100 and <600 mile rate works for non winter months.

The last two tests also ensure that the name is obtained if it is more than two names as well.