CS 31 Kitu Komya

Homework 2 UID: 404-491-375

Notable Obstacles

In doing this assignment, one problem I ran into was determining whether the type of ride was correct. For some reason, the code **if ((ride != “Br-UberX”) || (ride != “Br-UberXL))** did not work. Instead, it would actually ignore the second part of the logical statement (the Br-UberXL part). Thus, I had to nest an if statement within an if statement to determine whether the ride type was valid.

Another problem I encountered was in the beginning when **>>** was not reading in strings. That was because I had forgotten to include the **<string>** library.

It also took me some time to figure out how to allow spaces in the name input. Many times the program would just end after a name with a space had been entered. Upon revisiting my class notes, I recalled the **cin.ignore** and **getline** statements, but for some odd reason, my code only worked when the **cin.ignore** statement was not in the code. Otherwise, it would require the name to end on a space before moving onto the rest of the prompts.

Test Data

* Non-positive mileage (Kitu, -3, 5, Br-UberX)
  + to ensure that an error shows because mileage must be positive
* Name with spaces (Kitu Komya, 14, 23, Br-UberXL)
  + to ensure that name can handle spaces by using the getline statement
* Invalid ride (Kitu, 25, 34, Bruber)
  + to ensure that only the two types of rides are allowed to be used
* Non-positive mileage as well as non-positive minutes (Kitu, -5, 0, Br-UberXL)
  + to ensure that only one error will show and that too for miles only
* Empty name ( , 35, 56, Br-UberX)
  + to ensure that an error for empty name will show
* Empty name and invalid ride ( , 64, 14, BrUberX)
  + to ensure that only one error will show and that too for name only
* Incorrect variable type for mileage (Kitu, oops, 14, Br-UberX)
  + to ensure that an error shows because data type must be float
  + **\*my program cannot handle this case\***
* Minimum fare not achieved just by miles and minutes (Kitu, 1, 1, Br-UberXL)
  + to ensure that the minimum fare for each respective ride is at least achieved