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Report for CS31 Project 2

1. Some notable obstacles I overcame writing this program were syntax errors and forgetting to address each of the specific conditions for discounts and what they entail. A main issue for me when writing this program was the use of logical operators. I would forget that in order to make a value equal to another you must use two equals signs which continuously caused me to have a compile error. Another mistake I realized I made while testing my code is: I forgot to address the act that many of them were supposed to be ‘<=’ or ‘>=’ not just ‘<’ and ‘>’. Which is why when I would test borderline numbers such as 18 and 65 I would receive the wrong fare number. I also had trouble with strings because I continuously forget to use the phrases “getline” and “ignore”, causing many errors such as lines not being shown and lines of code being skipped.
2. If the rider is average and does not receive any discounts:

(32, n, Bay City, 2)

If the rider is under age and travels 0-1 boundaries

(15, n, Jollywood, 1)

If the rider is a student and travels 0-1 boundaries

(22, y, Bay City, 0)

If the rider is under age and travels 2 or more boundaries

(14, y, Jollywood, 4)

If the rider is a student and travels across two or more boundaries

(23, y, Bay City, 5)

If the rider is a senior citizen and they are crossing zero boundaries

(65, y, Jollywood, 0)

If the rider is a senior citizen and they are not a student and they are crossing 2 or more boundaries

(97, n, Bay City, 2)

If the rider is a senior citizen and is crossing 1 boundary zone and isn’t a student

(82, n, Jollywood, 1)

If the rider is a senior citizen and is crossing 1 boundary zone and they are a student

(78, y, Bay City, 1)

If the rider enters a negative age

(-10, 89, y, Jollywood, 1)

If the rider doesn’t enter (y/n)

(24, j, n, Bay City, 5)

If the rider enters a negative amount of boundary zones

(67, y, Westwood, -8, 2)

If the rider enters a negative age more than once and doesn’t properly answer (y/n)

(-10, -5, k, h, Jollywood, 5)

If the rider enters a phrase instead of (y/n)

(32, Happy Birthday, y, Bay City, 3)

The rider doesn’t enter a destination

(12, y, , Hollywood, 2)