a.The most difficult parts of this projects was juggling all of the if statements in order to catch all the possible fare for all possible people. Another problem tied to that was getting the cheapest price for the seniors that were students because they would use the senior price for 0 boundary trips and the student price for 1 boundary trips.

b.Making sure the error reports work (-22, “y”, “Fairfax” , 1)

(22, “x” , “Fairfax” , 1)

(22, “y” , “” , 1)

(22, “y” , “Fairfax” , -1)

Making sure the error reports list the first error they find rather than all of them or the a random one

(-22, “x”, “”, -1)

(22, “x”, “”, -1)

(22, “y”, “”, -1)

(22, “y”, “Fairfax”, -1)

Checking the fair prices for people at or under 18 at 0, 1, and 2 boundaries to make sure code works

(18, n, “Fairfax”, 0)

(18, n, “Fairfax”, 1)

(18, y, “Fairfax”, 2)

Check fair prices for individuals between 18 and 65 to make sure code works

(19, y, “Fairfax”, 0)

(64, y, “Fairfax”, 1)

(19, y, “Fairfax”, 2)

(19, n, “Fairfax”, 0)

(64, n, “Fairfax”, 1)

(19, n, “Fairfax”, 2)

Check fair prices for senior, important to make sure that senior students take senior fare for 0 boundaries and student fare for 1 boundary

(65, y, “Fairfax”, 0)

(65, y, “Fairfax”, 1)

(65, y, “Fairfax”, 2)

(65, n, “Fairfax”, 0)

(65, n, “Fairfax”, 1)

(65, n, “Fairfax”, 2)