a. Notable obstacles that I overcame were trying to find a solution to charging the 201th message to the 400th message at the same rate and then the messages after the 400th message at a different rate. I solved this issue by storing the messages after 400th message as a different variable, extraText, and used this number to calculate the cost of the messages after the 400th message. Another notable obstacle would be getting the correct answer with one of the examples and an incorrect answer using the other example. I solved this problem by printing out each of my variables at the end of the code in order to see where I went wrong. Using this method, I was able to deduce that I accidentally placed a || for checking whether the month was during the special summer discount instead of an && so my code always assumed that it was a special summer discount.

b. A list of test data that could be used to thoroughly test my program

Incorrect inputs for minutes (-5, -100, -123124)

Acceptable inputs for minutes (0, 123, 110, 300)

Incorrect inputs for text messages (-500, -123, -1)

Acceptable inputs for text messages (431, 150, 20, 876)

Incorrect inputs for customer name ("")

Acceptable inputs for customer name ("Chris", "Bob Marley", "1234 Wizard")

Incorrect inputs for month number (0, -5, 13, 26, 100)

Acceptable inputs for month number (1, 3, 5, 7 , 8, 11, 12)