Cynthia Nguyen

UID: 705767700

CS 31, Project 2, report.docx

Obstacles

1. Test input (3425, 3449, Jake Gittes, 11) results in “You must enter a customer name.”, even though customer was inputted. This was because “cin.ignore(10000, '\n')” was placed after the getline statement instead of before.
2. Amount was an integer instead of double with 2 digits after the decimal place, which was resolved by putting the statements

cout.setf(ios::fixed);

cout.precision(2);

before the cout line “The bill for *customer* is $*amount”*

Tests

* Test givens to see if bill calculations are correct
  + (3425, 3449, Jake Gittes, 11)
    - results in “You must enter a customer name.”, even though customer was inputted, solved as mentioned above and returned expected output
  + (7096, 7106, Evelyn Mulwray,7)
* Test for negative initial meter reading
  + (-3425, 3449, Jake Gittes, 11)
* Test for final meter reading less than initial reading
  + (3449, 3425, Jake Gittes, 11)
* Test for empty string
  + (3425, 3449,” “, 11)
* Test for month number not an integer between 1 and 12
  + (3425, 3449, Jake Gittes, 13)
* Test for bill calculations
  + (0,10, Cynthia Nguyen, 11) test for start of low season below 23
  + (0 25, Cynthia Nguyen, 11) test for start of low season above 23
  + (0, 10, Cynthia Nguyen, 6) test for high season below 15
  + (0, 25, Cynthia Nguyen, 6) test for high season above 15
  + (0, 25, Cynthia Nguyen, 4) test for start of high season
  + (0, 25, Cynthia Nguyen, 10) test for end of high season
  + (0, 25, Cynthia Nguyen, 3) test for end of low season