ITAS185 Name: Sam Davis

Assignment Self-Assessment

*Assignment Number* 2

1. What did you learn in completing this assignment?

I learned more about classes and the advantages of object-oriented programming. I also learned more about myself as a programmer and that I have a trickier time grasping classes due to having more experience with procedural programming and that being the only way I’ve programmed before.

1. How did you go about completing the assignment and solving problems you had along the way?

When I ran into a problem, I go through all the different possibilities to resolve it that I can think of and test them checking their outputs and any changes to see if I’m on the right path and if so, I will continue to trouble shoot until I usually solve it. When I am met with a problem, I can’t solve though I go to Stack Overflow to see others who have suffered from a similar issue to see if I can get ideas on how to solve it or sometimes, they will have the solution. Finally, if Stack Overflow or other sites aren’t able to help resolve the problem, I will ask ChatGPT for help and for an explanation everything that chat gives me to make sure I understand it and so when I run into the problem again I recognize it and how to solve it.

1. What did you have difficulty with?

The hardest method for me was allowing the user to enter a ‘?’ for a hint. In particular, if the hint swapped out a ‘t’ and there were multiple in the coded word I struggled on how to make it swap all instances of the letter. This was mainly due to the fact that it required a nested for loop or at least the method I ended up using did and I would consider nested for loops in particular one of my weaker areas as I can have a hard time recognizing when to use them and implementing them correctly mainly due to a lack of using them and therefore practice with them. I also sometimes have a hard time using the proper methods. With my make\_guess method for example I had it working fine however I had many return statements in it to account for certain possibilities an exit at the right time however it is my understanding that you typically want 1 or as few returns as possible in a function so I had to find a way to write it where using better practices.

1. What did you do well?

I feel a did a good job with my make\_guess method. I feel I accounted for many of the possibilities and overall, I didn’t run into many issues when writing it despite it being a fairly long and more complex method.

1. How many hours did you spend in completing this assignment?

I am not to sure how long I spent on this assignment as it was broken up over a longer time but I would estimate around 20 hours including everything.

1. What took you the most time?

Writing my hint and guess methods used the most time as they were the most complex.