# **Post-Lab Write Up**

Name: Lachlan

Lab: Letter Inventory

1. Describe the process you went through to solve this problem (complete this lab)? 3 to 4 sentences should suffice.

In order to complete this lab, I followed the list in the module with all the methods for the class. I first started with the first method and ended with the subtract method. While I was in the process I was also testing the outputs of the methods in a test class, if there were any.

1. What went well in this process?

I was entertained all through out, so I was determined to finish the lab.

1. What was challenging/difficult in this process?

Trying to complete this without using a linked list; having to make my own object instead of taking one from the java library.

1. Think about a particular challenge that you faced in this lab. What was this challenge? How did you work past that challenge and overcome it?

The hardest challenge I faced during this lab was definitely the set method. How I got past this method was I made the method first check if it should subtract, add, or do nothing depending on the value the user had inputted. Next, if it had to add I would simply add it to the inventory, and if I had to subtract it, I would scan the inventory and see how many of that letter was in the inventory. Then finally, I would only add back the letters that weren’t the user’s letter to the inventory.

1. What will you do differently in the future to avoid/overcome these challenges?

I have already overcome these challenges, so in the future, I will be able to overcome these challenges again in a shorter time span.

1. What is something that you learned while working on this lab?

How to create a letter inventory object from scratch

1. How can what you learned in this lab be applied to the real world?

By creating a letter inventory from scratch, it expands my knowledge of how things work, so that I when I am on the job I can show that I understand of the objects work.

1. Are there any bugs in the code that you turned in? If so, what are they? Why did you not fix them? (e.g. lack of time, lack of knowledge, etc)

Yes, if I were to add or subtract letters in an inventory with the set method and then add or subtract two different objects together, it would not take into account that I had added or subtracted letters with the previous set method. I was not able to fix this bug because I could not find what was causing it.