CS 162P Self Evaluation for Lab 5 – List of Students

Your name: Joseph Sepe	Date: 4/29/21
Are you willing to allow your code to be used in example debugging demonstrations or documentation? Yes No	

Instructions – Part 1

This document is to be turned in alongside solution of this lab. You will use this document to indicate your status on the lab, as well as areas where you are struggling conceptually or in converting concept to code. Please use the space underneath each evaluation criteria to describe any errors you are receiving or challenges you are having implementing the required functionality for your code.

Functionality

Basic Expectations	***Completed***
Does the program compile and run?	Yes
Does the program run correctly and return the expected result?	Yes
Are there comments explaining what the program and various functions are doing?	Yes
Functions	***Completed***
Are all Student attributes private?	Yes
Are Student attributes manipulated appropriately though accessor methods?	Yes
Does displayStudent properly return a string that displays the student's name and grade?	Yes
Does createStudent appropriate validate the student's grade?	Yes
Does sortStudents correctly implement a selection sort?	Yes
Does sortStudents correctly sort the students in ascending alphabetical order?	Yes
Does main use a non-range based for loop to iterate through the student list when outputting the Student names and grades?	Yes

Instructions – Part 2

Please answer the following questions, in your own words, regarding your experiences throughout this lab.

Experiential Review

What aspects of this lab did you find most challenging?
Not much. It was similar to getters and setters in other languages
What concept from this lab do you feel you have the best grasp on now?
Creating private attributes
Describe the concept of encapsulation and why it is beneficial.
Encapsulation allows you to keep values private to other areas of your code. It can only be accessed by the class.
How should you determine whether a class function should be public or private?
If the class function is being used in other places within the same class as a kind of helper, but does not need to be accessed outside the class you should set it as private.
What are the benefits to creating classes in programs?
There are many benefits such as organizing your code. It makes your code so that you can reuse the same object over and over again. You can create a class and have it in a different module and import it into other programs you write.