John Hong

**Bill of Accomplishment**

Putting together this portfolio has been one of the most enjoyable and educational ways to learn C#. I’m proud of what I have submitted for my portfolio and the effort that I put into it. That goes without saying the process was anything but challenging. Over a third of these programs have had me questioning the authors’ logic and reasoning for certain algorithms or methodologies as I struggled to work through and make sense of their work. I have spent well over 100 hours this semester on the sample programs by reading more about the topics relevant to the samples and writing comments that tried to illustrate my understanding of the programs’ behavior.

Aside from making comments to over 50 programs, 7 of these programs were modified in various ways: pieces of code were added to catch possible exceptions in case of an unintended input, lines were shortened by using built-in functions for optimizations, and basic functionalities were improved (by adding restart/continue loops, for example).

Moreover, of the 51 total programs, I wrote 3 challenge programs: a beginner’s program that demonstrates conditions from hackerrank.com, a simple code that finds the length of an array without actually calling the .Length function (using my current understanding of loops), and a program that answers a white board question in preparation for future interviews (which was done by hand before being rewritten on the computer). Based on the hours I invested and the expectations set for the students, the portfolio deserves at least a B+.