**William Schaefer November 15, 2020**

**C Programming Language Professor Merlo**

**Project 2 Analysis**

* I spent a cumulative total of roughly 30 hours working on this project.
* I received help from my uncle on this project.
* There were several difficult parts of this project for me. The first setback I experienced was when I was having difficulty creating the linked list. Also, I was uncertain about what to do when I noticed there were global variables in one of my source code files. Additionally, another predicament arose when I was coding for the Check Digit on the ISBN. I kept getting a segmentation fault when I tried to run the program.
* I decided to sort books containing the same title by author’s last name to support the extra credit command.
* My project has three source code modules. I have the module containing the main method, the module containing code for the linked list of books and the module containing code for an additional linked list I created to store rejected lines.
* I think this project is worthy of extra credit because I attempted both of the commands on the PDF and they are both working. I tested them by creating two new text files, books2.txt and books3.txt, and made minor changes to them to make sure they are working. When I ran my program without the extra credit commands, I discovered they were coincidentally in alphabetical order by title and by author. When I was working on the extra credit, I learned how to use command line parameters from the following website: <http://farside.ph.utexas.edu/teaching/329/lectures/node23.html>