

CSCD 211

Lab 3

PROGRAM SPECIFICATIONS

This lab is similar to lab1; however, you will not want to use your code from lab1. Instead start from scratch. You must have the appropriate @Override and enforce the appropriate preconditions. All parameters must be final.

CSCD211Lab3.java

I have provided a comprehensive main. You may not change this file.

CSCD211Lab3Methods.java

Public methods that you must write

- fillArray - must call the first EVC above for Book
- menu
- printBooks
- readFileName
- addBook
- createBook - must call the second EVC above for Book
- getGenre

The menu choices are

1. Print the books to the screen
2. Print the books to a file
3. Sort the book using compareTo
4. Sort the books by first author as a Comparator
5. Add a book
6. Quit

SPECIFICATIONS

- You must verify all values are in range menu, number of authors, etc.
- You must use my package for the FileUtil

FILE SPECIFICATIONS

of Books in the file

Title

ISBN

Pages

Genre

Pub Name

Pub City

Number of Authors

One Author per line

Genre strings are guaranteed to be one of the following in any case

- fiction
- non-fiction
- romance
- education

- sci-fi

TO TURN IN

A zip file, in Canvas, containing Lab3 folder :

- all packages
- all java files
- all input file(s) used to test your program
- all output file(s)
- multiple test runs (at least 2) named cscd211lab3out.txt – testing all aspects – this output file will be on the same level as the lab3 folder.

We should be able to download the zip and compile your code, and then run your code.

Name your zip, your last name first letter of your first name lab3.zip (Example: steinerslab3.zip)