**LIBRARY TERMINAL**

Write a console program which allows a user to search a library catalog and check out books.

* Your solution must include some kind of a book class with a title, author, status, and due date if checked out. **Book Class**
  + Status should be On Shelf or Checked Out (or other statuses you can imagine).  **Enum**
* 12 items minimum; All stored in a list. **File I/O**
* Allow the user to:
  + Display the entire list of books.  Format it nicely. **File I/O** **Loop Sort Display**
  + Search for a book by author. M**ethod Return**
  + Search for a book by title keyword. **Method**
  + Select a book from the list to check out. **Method**
    - If it’s already checked out, let them know.
    - If not, check it out to them and set the due date to 2 weeks from today.
  + Return a book.  (You can decide how that looks/what questions it asks.) **Method**

Optional enhancements:

* (Moderate) When the user quits, save the current library book list (including due dates and statuses) to the text file so the next time the program runs, it remembers.
* (Julius Caesar) Burn down the library of Alexandria and set human Civilization back by a few hundred years.