Answer Sheet for Lab Exercise 3
Sorting and Searching Lists
CS 2334, Spring 2016
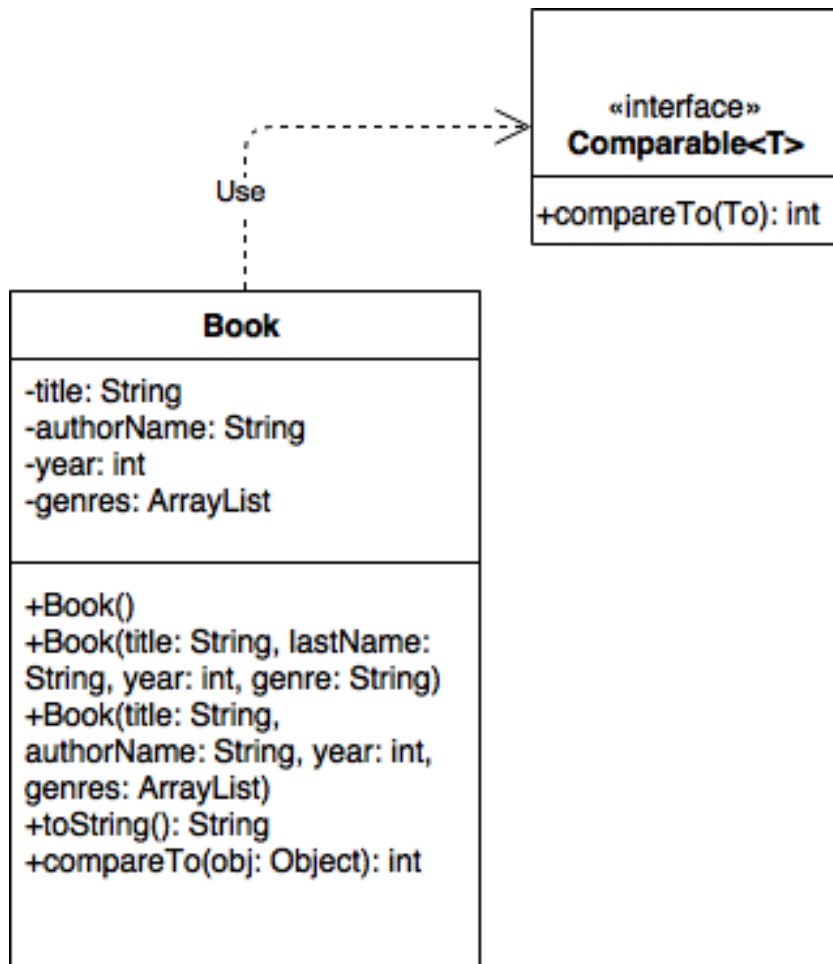### *Due by: Friday, February 12, 2016, 4:00 pm CST*
This lab is a group exercise. Students must complete this assignment with at least one partner.

1. List all group members' names here (add lines to the table as needed).

Name 1:	Grant Patovisti
Name 2:	Hunter Black
Name 3:	Cole Howe
Name 4:	
Name 5:	

2. [Nothing to add to answer sheet.]

3. Place the UML diagram for the **Book** class here.

4. What is an appropriate type for an **ArrayList** of book genres?

String

5. What would be a good way of determining whether one book should be listed before or after another book? (Describe your method in English.)

We could easily determine the natural ordering of the books by comparing the title of one book, for example this.title.compareTo(other.title), to the title of another book, and if the first title comes before the other title, we place it before the other in the ArrayList.

6. Why are getters and setters not required for the **Book** class as used in this lab?

Simply because all we are doing in this class is adding books to an ArrayList, sorting this list, comparing different book objects, and then returning that ArrayList, which requires no getting or setting of anything.