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## Assignment 02 Analysis

- 1) There were times where I wished I had a partner to bounce ideas off of, especially when first starting the project.
- 2) The difference between comparator and comparable is that the comparable interface uses the natural ordering of an object in order to compare to objects, while the comparator defines how to compare two objects itself. For example, the natural ordering for String is to compare Strings lexicographically. If you want to compare Strings lexicographically you would use the comparable interface. If instead you wanted to compare Strings based off of their length, you would use comparator. You would be able to use comparable in the extra features because we compared the author, isbn, and dates according to their natural order.
- 3) I think I generally used my time efficiently. There was one instance where I could have gone to office hours sooner that would have enabled me to fix a problem within my code much more quickly.
- 4) Writing generic code is important in Data Structures and Algorithms because algorithms that we write can be applicable to many different types of objects. If we write code that is generic and uses 'types to be specified later,' the code will be applicable to a variety of different situations.
- 5) I spent approximately 10 hours on this assignment.