

CST8130: Data Structures --- Assign #2- Planner

Sorting/Searching using ArrayList

DUE: Wednesday February 15th by 10PM SHARP!

Problem Description:

In this assignment, you will modify a solution to Assignment 1. You may use your solution, or my posted one. You will make the Events activities data structure more efficient in two ways

- a) Change the activities declaration in Planner class to be an object of ArrayList.
- b) Change the insert into the activities data structure so that the Events are in numeric order from smallest to largest by date/time in the most efficient way possible. Once the activities structure is ordered, modify your other methods to also make them as efficient as possible. (Note – do NOT use Generic Collection methods yet).

Note: In Assignment 1 you were not allowed to change OurDate or OurTime classes, but in this assignment you will need to add some comparison methods (isGreater and/or isLess) to these classes.

Submission:

You must submit to the assignment link in Blackboard by the due date and time a zip file (named LastnameFirstNameAssign2) containing:

- all source code – ie .java files (Note – I may choose to re-compile your program....so all code must be available to me) with headers (see my header in OurDate, OurTime classes)
- Your test plan that tests only the changes made in this program in either .docx or .xls format

Failure to provide any of the above will have an effect on your grade for this assignment.