CST8130: Data Structures --- Assign #3- Planner

Using LinkedList class

DUE: Wednesday March 15th by 10PM SHARP!

Problem Description:

In this assignment, you will modify a solution to Assignment 2. You may use your solution, or my posted one. You will make add to this program by adding the ability to store notes with any Event.

   a) Change the Event class to add a field – of **LinkedList** of Strings – one String per note.

   b) Change the input options from the menu (selections 1 or 5) so that they read in a number of notes (and then that number of notes) for each Event as it is added

   c) Add a menu selection to allow a note to be added to a specific Event (by date/time)

   d) Add a menu selection to allow a note to be deleted from a specific Event (by date/time)

Note – in my sample output below, I did not test all error conditions – but you must do this in your program (and then write a test plan for only the changes made in this program).

Sample Output: (red is user input)

```
Enter 1 to add an event to planner
from keyboard;
2 to display events for a day;
3 to display events for a week;
4 to delete an event;
5 to add events from a file;
6 to add a note to an event;
7 to delete a note from an event;
0 to quit: 1
Enter the event type to add:
 1 for a meeting event
 2 for a school event
 3 for a work event
 4 for a social event
2

Enter month – between 1 and 12: 2
Enter day – between 1 and 31: 1
Enter year: 2017

Enter hour (0-23): 11
Enter minute (0-59): 0

Enter event description: events1
Enter how many notes you would like
to add: 2
Enter note:
```

```
note1
Enter note:
note2

Enter 1 to add an event to planner
from keyboard;
2 to display events for a day;
3 to display events for a week;
4 to delete an event;
5 to add events from a file;
6 to add a note to an event;
7 to delete a note from an event;
0 to quit: 2
Enter a date to display:

Enter month – between 1 and 12: 2
Enter day – between 1 and 31: 1
Enter year: 2017
Your activities for 2017/2/1 are:
     2017/2/1 11:0 events1
       [note1, note2]

Enter 1 to add an event to planner
from keyboard;
2 to display events for a day;
3 to display events for a week;
4 to delete an event;
5 to add events from a file;
6 to add a note to an event;
7 to delete a note from an event;
0 to quit: 6

Enter date and time of event:

Enter month – between 1 and 12: 2
Enter day – between 1 and 31: 1
Enter year: 2017

Enter hour (0-23): 11
Enter minute (0-59): 0

Enter note to add:
note3
Note added

Enter 1 to add an event to planner
from keyboard;
2 to display events for a day;
3 to display events for a week;
4 to delete an event;
5 to add events from a file;
6 to add a note to an event;
```

```
7 to delete a note from an event;
0 to quit: 2

Enter a date to display:

Enter month – between 1 and 12: 2
Enter day – between 1 and 31: 1
Enter year: 2017
Your activities for 2017/2/1 are:
     2017/2/1 11:0 events1
       [note1, note2, note3]

Enter 1 to add an event to planner
from keyboard;
2 to display events for a day;
3 to display events for a week;
4 to delete an event;
5 to add events from a file;
6 to add a note to an event;
7 to delete a note from an event;
0 to quit: 7

Enter date and time of event:

Enter month – between 1 and 12: 2
Enter day – between 1 and 31: 1
Enter year: 2017

Enter hour (0-23): 11
Enter minute (0-59): 0

Current notes for this event are:
0: note1
1: note2
2: note3
Enter which note to delete
0
Note deleted

Enter 1 to add an event to planner
from keyboard;
2 to display events for a day;
3 to display events for a week;
4 to delete an event;
5 to add events from a file;
6 to add a note to an event;
7 to delete a note from an event;
0 to quit: 2
Enter a date to display:

Enter month – between 1 and 12: 2
Enter day – between 1 and 31: 1
Enter year: 2017
Your activities for 2017/2/1 are:
     2017/2/1 11:0 events1
       [note2, note3]
```

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 documents the tests for 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.