22/03/2019

EventsRUs Conferences

Mini-Assignment 3

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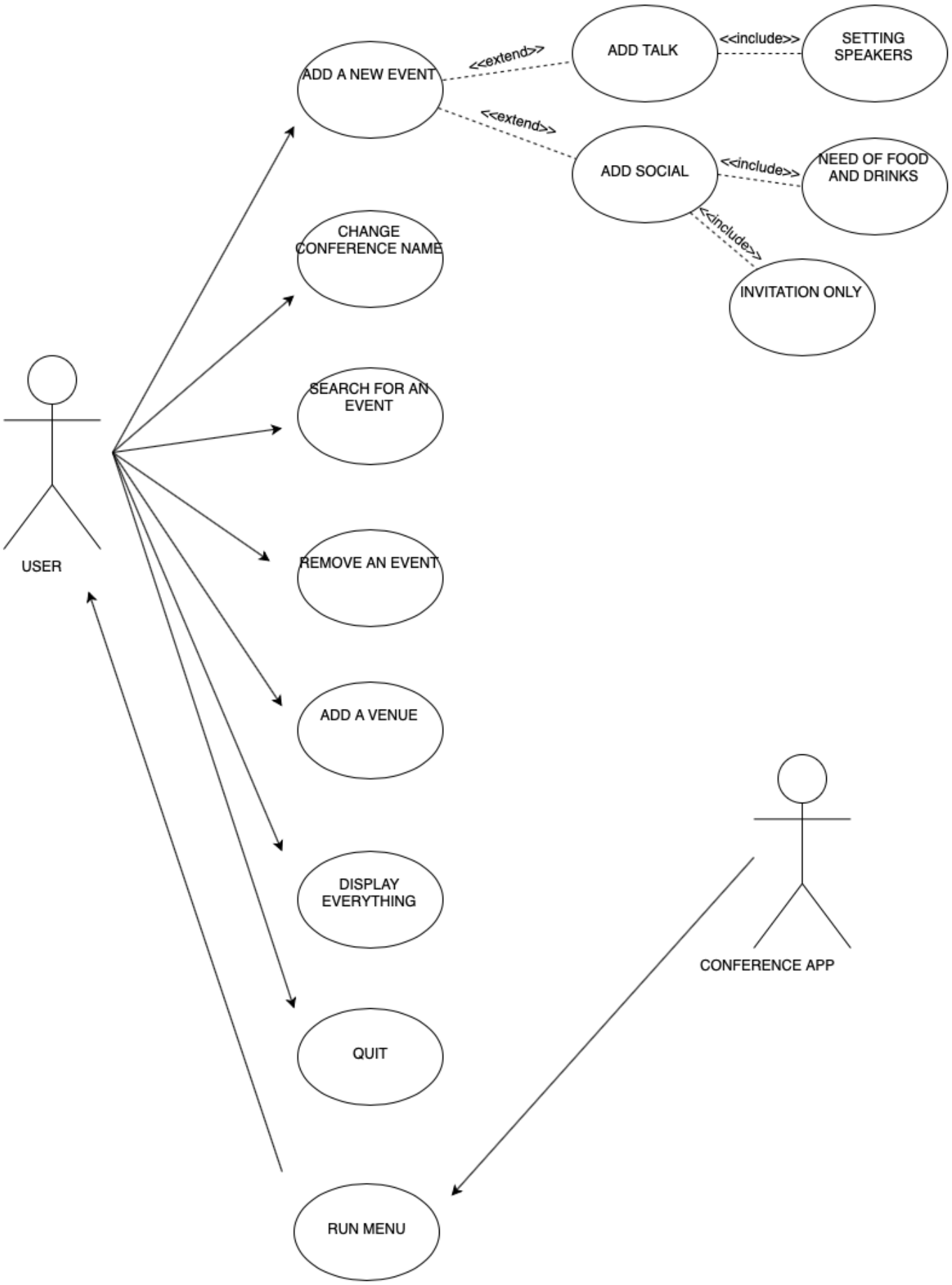
UML USE-CASE DIAGRAM



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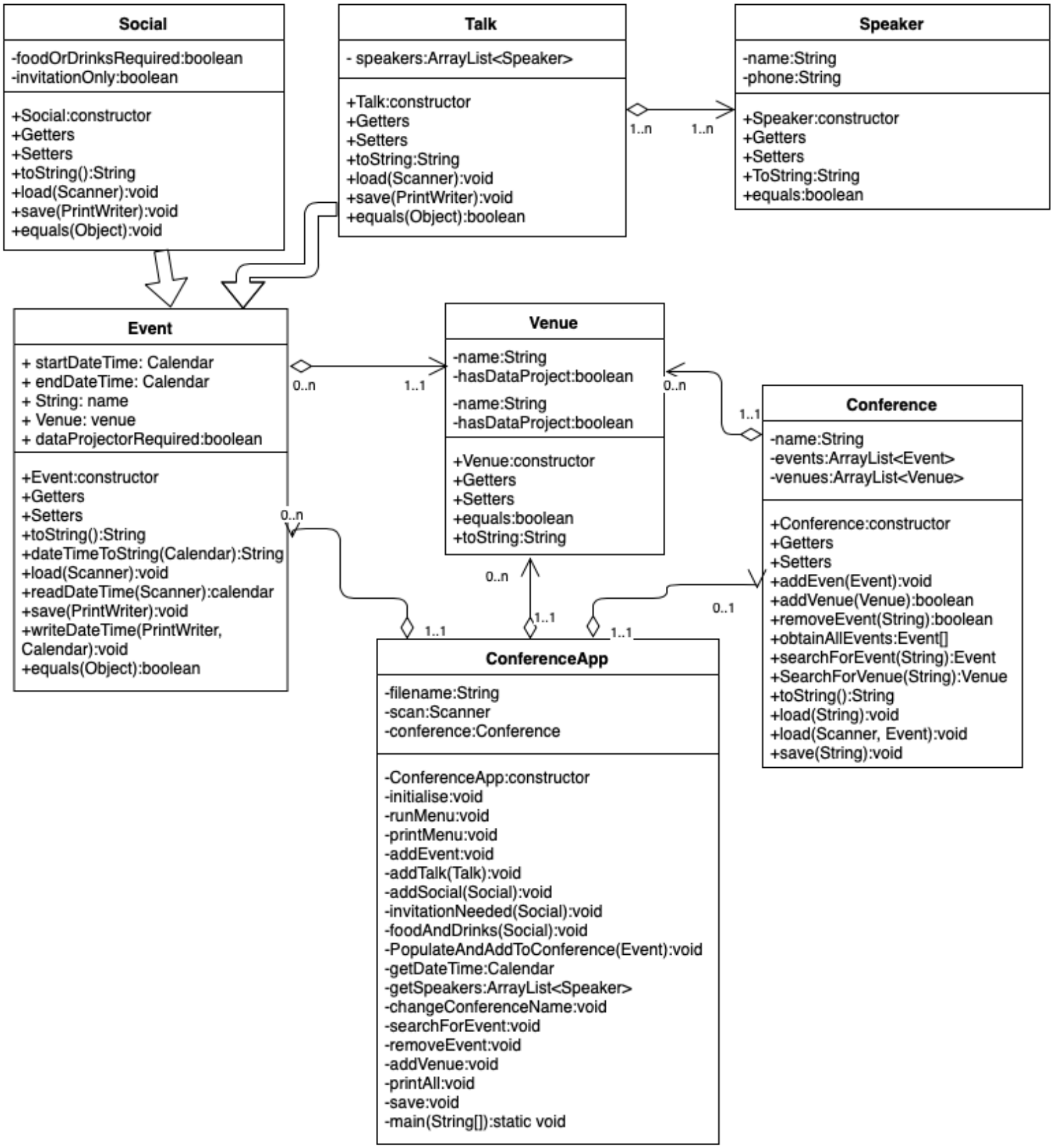
UML CLASS DIAGRAM



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REPORT

I started with a pretty monotonous step of rewriting all of the changes that were about to be made on a piece of paper, just for the sake of having a check-list in front of my eyes, keeping a track of what was already implement and what will be implemented next.

Anyway, the moment I have opened the given code and took a look at it, I have decided that it will be a good idea to make a «pre-start» UML class diagram, just to understand what is happening and how everything is connected. Furthermore, the same diagram with additional improvements could have been used for the documentation.

I spend quite a lot of time trying to adopt the “load()” function in the “conference” class to deal with different types of events. The program returned “InputMismatchException” dozens of times before I finally understood what was going wrong. In the end, in order to make it recognise different types of event, I have added so called “identifier”. Now, the first thing which is loaded after the conference name is a string, that shows whether the event, which is about to be read, is a talk or a social. Besides, it took me a while to figure out the work of the sorting algorithm. Somehow, the wording of this bit managed to throw me back.

The assignment itself, as it is, definitely advanced my knowledge of the polymorphism and the inheritance, Even though I ended up doing some additional research on syntax and relations, it gave me a chance to try out and make use of the topics we have covered over the term time in both, lectures and workshops.

I guess, if I would have given myself more time, I could have implemented more error-checking in order to prevent as many bugs and random interruptions as possible.

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REPORT

Same works with the partial reworking of the code to make it more robust. Also, the code does not do proper checking of the entered time. It lets enter the end time event if it is earlier than the start time.

One of the key things I ended up doing in order to understand the flow of the code was reading it in depth. It means that I was going through those bits and pieces that were causing any concerns line by line while commenting them verbally. If I did not understand the new line, I would go back and try to catch something I have missed the first time. This way, I have not only started to get the hang of the methods and variables quicker but also was able to specify what I needed to do next easier.

Basing on the version 1.2 of Assessment Criteria for Development, even though my work most certainly is not flawless or exceptional in any way, I think that I have managed to show a somewhat good understanding of the problem and was able to present it as such. If I would have put more effort into this assignment, I would have shown an overall better performance, but at this point, I believe that I have earned myself at least 60 percent of the mark.

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RUNNING PROGRAMM

```
**********HELLO**********
Please enter the filename of conference information: conf.txt
Using file conf.txt
1 -  add a new Event
2 -  change conference name
3 -  search for an event
4 -  remove an event
5 -  add a venue
6 -  display everything
q -  Quit
What would you like to do:
1
What kind of event it is (talk or social)?
talk
Get speakers:
Enter on separate lines: speaker-name speaker-phone
Nika
0999
Another owner (Y/N)?
N
Event name:
Soup
Enter start time for event
On one line (numbers): year month day hour minutes
2019
9
22
19
30
The date/time you entered was: 2019/9/22:19:30
Enter end time for event
On one line (numbers): year month day hour minutes
2019
09
22
20
30
The date/time you entered was: 2019/9/22:20:30
Is a data projector required?(Y/N)
Y
Enter venue name
Room 102
```

Once the file with some pre-recorded information about the Conference is loaded, the menu is printed out. The screenshot above shows the creation of the new event. First user supposed to choose whether they want to create a talk or social. Depending on the choice we will then create a new object using subclass Talk or subclass Social and input the needed information.

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RUNNING PROGRAMM

```
1 -  add a new Event
2 -  change conference name
3 -  search for an event
4 -  remove an event
5 -  add a venue
6 -  display everything
q -  Quit
What would you like to do:
1
What kind of event it is (talk or social)?
social
Does this social require an invitation? (Y/N)
Y
Are food and drink required for this social? (Y/N)
N
Event name:
Try to Catch me
Enter start time for event
On one line (numbers): year month day hour minutes
2019
02
02
02
02
The date/time you entered was: 2019/2/2:2:2
Enter end time for event
On one line (numbers): year month day hour minutes
2019
03
03
03
03
The date/time you entered was: 2019/3/3:3:3
Is a data projector required?(Y/N)
N
Enter venue name
Room 10
Venue null does not exist. Try a different venue? (Y/N)
Y
Enter venue name
Room 101
```

Pretty much the thing that was shown on the previous screenshot. This time, creating a Social object.

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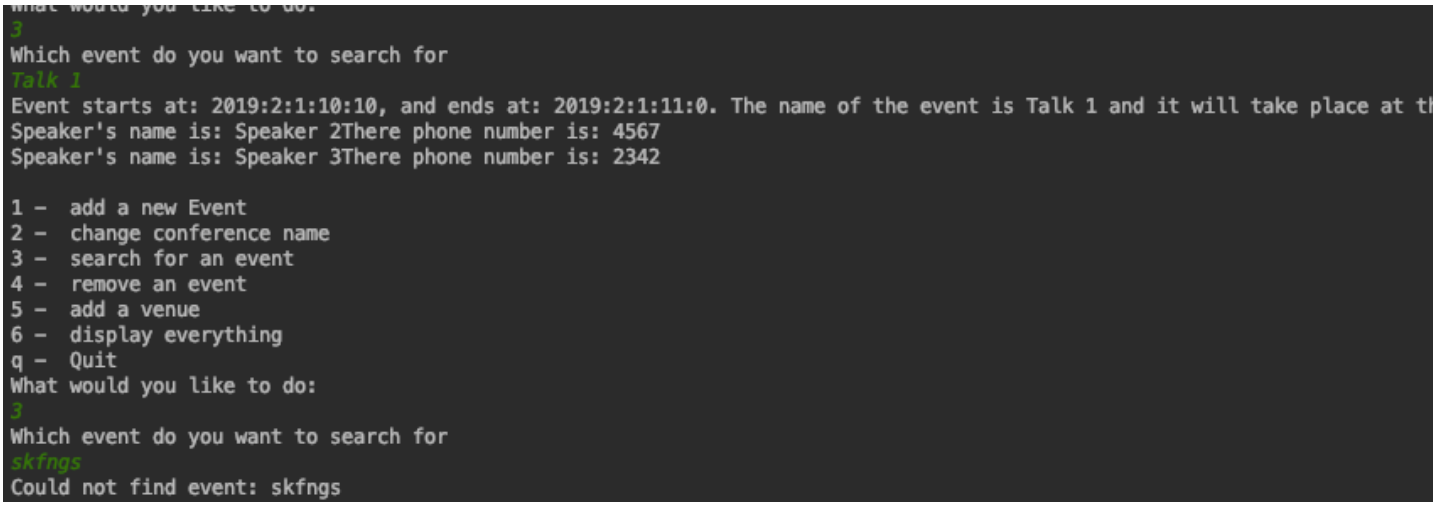
RUNNING PROGRAMM



The screenshot above shows the use of the search method. If the user tries to look for the event which actually exists, then they will receive the information about the event. If the event is not found, then the program let's the user know and print out the menu again.

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RUNNING PROGRAMM

```
1 -  add a new Event
2 -  change conference name
3 -  search for an event
4 -  remove an event
5 -  add a venue
6 -  display everything
q -  Quit
What would you like to do:
2
Help
```

In order to change the Conference name – user supposed to choose option two and insert the new name of the conference.

```
Which talk do you want to remove
The Universe
removed Event starts at: 2019:3:1:12:0, and ends at: 2019:3:1:12:30. The name of the event is The Universe and it will ta
```

Option 4 will remove the event, if the event is in the file.

```
What would you like to do:
4
Which talk do you want to remove
fjksf
cannot remove fjksf - not in conference Help
```

If it is not in the event – the error message will be displayed.

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RUNNING PROGRAMM

```
2 -  change conference name
3 -  search for an event
4 -  remove an event
5 -  add a venue
6 -  display everything
q -  Quit
What would you like to do:
5
Enter the venue name
Mister Ray's Fun House
Does it have a data projector?(Y/N)
Y
```

Option 5 creates a new venue for the user to use in the creation of the events (talks or socials).

```
1 -  add a new Event
2 -  change conference name
3 -  search for an event
4 -  remove an event
5 -  add a venue
6 -  display everything
q -  Quit
What would you like to do:
6
Data in Conference Help is:
Event starts at 2019:2:1:10:10, and ends at 2019:2:1:11:0. The name of the event is Talk 1 and it will take place at the
Speaker 2 There phone number is: 4567
Speaker 3 There phone number is: 2342

Event starts at 2019:2:1:11:30, and ends at 2019:2:1:12:0. The name of the event is Talk 2 and it will take place at the

Event starts at 2019:3:2:10:30, and ends at 2019:3:2:11:0. The name of the event is Talk 3 and it will take place at the
```

Option 6 will display all of the events sorted by their start time.

```
q
Data in Conference Help is:
Event starts at: 2019:2:1:10:10, and ends at: 2019:2:1:11:0. The name of the event is Talk 1 and it will take place a
Speaker's name is: Speaker 2There phone number is: 4567
Speaker's name is: Speaker 3There phone number is: 2342

Event starts at: 2019:2:1:11:30, and ends at: 2019:2:1:12:0. The name of the event is Talk 2 and it will take place a

Event starts at: 2019:3:2:10:30, and ends at: 2019:3:2:11:0. The name of the event is Talk 3 and it will take place a


**********GOODBYE**********

Process finished with exit code 0
```

Once user wants to exit the command-line menu – just press “Q”. The program will print out the events from the file and exit the program.