

Workshop 11

Description:

This assignment lets you practice the basics of Java Database Connectivity in Java and includes concepts such as Swing GUI, SQL, and JDBC.

In Workshop 5, you were asked to have a Swing-GUI-based solution to receive some **Student** objects from the user and save/retrieve them to/from a file (*please refer to Workshop 5.*)

In this workshop, we want you to provide a solution to the same problem, but this time, save/retrieve the **Student** objects' information to/from a database (table) - which is a more natural solution in these types of projects.

*Hints: You can use MySQL (as we did in class) or any other relational DBMSs but don't forget to use its java connector/JDBC driver. Also, for simplicity (to avoid joining two tables; an option if you are more adventurous), you could assume that each **Student** object has just one course.*

Marking criteria:

Please note that you should:

- a- have appropriate indentation.
- b- have proper file structures and modularization.
- c- follow Java naming conventions.
- d- document all the classes properly.
- e- not have debug/useless code and/or file(s) left in assignment.
- f- have good intra and/or inter class designs.

in your code!

Task: Developing and running the desired solution: **5 marks**.

Deliverables and Important Notes:

You are supposed to show up AND hand in your solution in person (run the solution and/or answer related Qs) in lab 13.

In case you don't show up OR hand in/run the required task in the lab, you could submit your final solution (described below) on the same due date but note that there would be a 50% penalty! Late submissions would result in additional 10% penalties for each day or part of it.

In this case, you should zip *only the Java files* to a file named after your Last Name followed by the first 3 digits of your student ID. For example, if your last name is **Savage** and your ID is **354874345** then the file should be named **Savage354.zip**. Finally email your zip file to me at reza.khojasteh@senecacollege.ca

Remember that you are encouraged to talk to each other, to the instructor, or to anyone else about any of the assignments, but the final solution may not be copied from any source.