Seneca College

Applied Arts & Technology

Workshop 6 & 7

Due Date: 2nd April 2025

INSTRUCTIONS

- *This workshop must be completed individually without any outside collaboration. All work must be your own. Copying or reproducing the work done by others (in part or in full) or letting others to copy or reproduce your own work is subject to significant grade reduction or getting no grade at all and/or being treated as academic dishonesty under the College's Academic Dishonesty Policy.*

- *Your goal is to finish the design part (using the Scene Builder is optional if you want to use it) during the lab time, unless otherwise specified by your instructor.*

- *The backend coding for your design can be submitted as a part of DIY.*

- *Your application must compile and run upon download to receive any mark.*

- *To submit the workshop, please follow the Submission Guideline provided at the end of this document.*

- *You must submit your workshop by the due date. Late submissions policy is specified in the Academic Procedures for Evaluations document available through the class plan on Blackboard.*
  -

Task:

We are going to upgrade our workshop 4&5 solution by adding **four** buttons on the main screen,

- Button 1: when pressed you are required to save the data on the file as an object, by using WriteObject() or in XML format. (Button Label should be: Save Data To File)
- Button 2: when pressed you are required to load the data from the file. (Button label should be: Load Data from File)
- Button 3: when pressed you are required to save the data on the database. (Button label should be: Write data on DB)
- Button 4: when pressed you are required to load the data from the database. (Button label should be: Load data from DB)

Workshop Header

```
/*********************************************
Workshop #
Course:<subject type> - Semester
Last Name:<student last name>
First Name:<student first name>
ID:<student ID>
Section:<section name>
This assignment represents my own work in accordance with Seneca Academic Policy.
Signature
Date:<submission date>
*********************************************/
```

Code Submission Criteria:

Please note that you should have:
- Appropriate indentation.
- Proper file structure
- Follow java naming convention
- Do Not have any debug/ useless code and/ or files in the assignment

Deliverables and Important Notes:

All these deliverables are supposed to be uploaded on the blackboard once done.

- Complete the code behind as the part of your DIY.   70%
- Submit a **reflect.txt** file with the submission.   10%
  Questions to be answered for the reflection:
  - Challenges faced during the code and how did you solve it. You can discuss the help you required in solving your challenge that you faced.
  - How did you solved the inheritance in the database?
- Video submission explaining core code pointers and showing the full working application (3 – 8 minutes max).   20%
- All submission goes to Black Board.
- Your submission should include
  - Video file with audio
  - Reflect.txt file
  - Complete zipped project.
- Late submissions would result in additional 10% penalties for each day or part of it.

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