Seneca College

Applied Arts & Technology
SCHOOL OF COMPUTER STUDIES

JAC444 **Submission date:19-08-2022** **Date:07-08-2022**

Workshop 11

Workshop Header (to be included with every file)

/***
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
- Document all the classes properly
- Do Not have any debug/ useless code and/ or files in the assignment

Deliverables and Important Notes:

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

• You are supposed to create video of your running solution for each task along with demo. It should include voice over explaining the logic and code. You can use diagram like flow charts to aid your explanation. **(40%)**

o Screen Video captured file should state your last name and id, like Ali_123456.mp4 (or whatever the extension of the file is)

• A word/ text file which will reflect on learning of your concepts or any new class in this workshop. Also include the instructions on how to run your code. **(30%)**

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o Should state your Full name and Id on the top of the file and save the file with your last name and id, like Ali_123456.txt

- Submission of working code. **(30%)**
- Make sure your follow the "Code Submission Criteria" mentioned above.
- You should zip your whole working project to a file named after your Last Name followed by the first 3 digits of your student ID. For example, **Ali123.**zip. If the zip file is too large to upload on BB , you can upload the video portion on Jac444-NBB team under files/workshop submission/w01
- Your marks will be deducted according to what is missing from the above-mentioned submission details.
- 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 assignments, but the final solution may not be copied from any source.

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Description:

The following workshop lets you practice basic java coding techniques, creating classes, methods, using arrays, Java I/O, inheritance, polymorphism, Exceptional Handling, JavaFx (GUI), Inner and Anonymous Classes, Lamda Expression, Java Collection Frame, RMI

Task

Write RMI application that will allow the client to request weather update from Server. The weather update consists of information such as location, date/time, temperature, Weather (Sunny, Cloudy, Rain, Snow). Client should show results on GUI Window. On Server side, weather information is collected using a csv file which is updated daily.

Note: Students are encouraged to design their own output for the task. Video demo with code explanation is mandatory