

Seneca College

October 31, 2018

Applied Arts & Technology

SCHOOL OF COMPUTER STUDIES

JAC444

Demo Due dates: November 05, 2018

Final Code Submission Date: November 07, 2018

Workshop 3

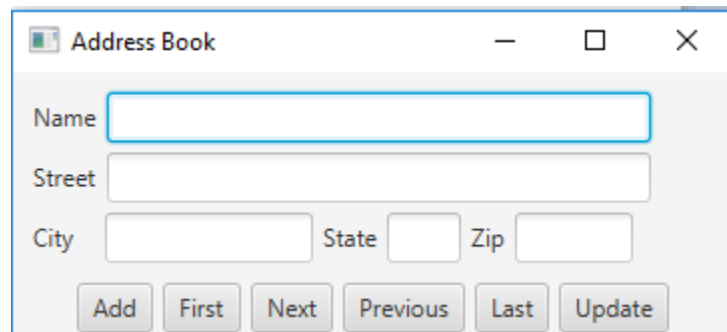
Notes:

- i. Task should be presented during the lab, demo worth 70% of the workshop marks and code uploading worth the other 30%.
- ii. **The one task in this workshop** should be demoed on November 05th in the lab and must upload the code as by November 07th.
- iii. Make sure you have all security and check measures in place, like exceptional handling and wrong data types etc.
- iv. Given output structure is just for student to have a glimpse what the output can look, student are free to make the output better in any way.

Other inputs can be given during demo, so make sure you test your program properly.

Task 1: (GUI practice)

Write a GUI program that shows the same picture as below.



Now once you created the GUI of the address book, let's write a program which stores, retrieves, add, and updates addresses by using the GUI.

- Use a fixed-length string for storing each attribute in the address.
- Use random access file for reading and writing an address to get full marks in this workshop.
- Use any other technique for reading and writing and address will be marked from 80%.

- Assume that the size of name, street, city, state, and zip is 32, 32, 20, 2, 5 bytes, respectively.
- Your program should generate a file name Address.dat, which stores all the information.
- Address.dat file will be used to retrieve the data for displaying the address.
- Upon updating an address your program should update the file Address.dat.
- Information on Random access file in java can be found on the link <https://docs.oracle.com/javase/tutorial/essential/io/rafs.html>
- Add at least 5 addresses.