

Seneca College

Applied Arts & Technology

SCHOOL OF COMPUTER STUDIES

JAC444 Live Demo Due dates: March 14 and March 21, 2018

Code submission date: March 21, 2018

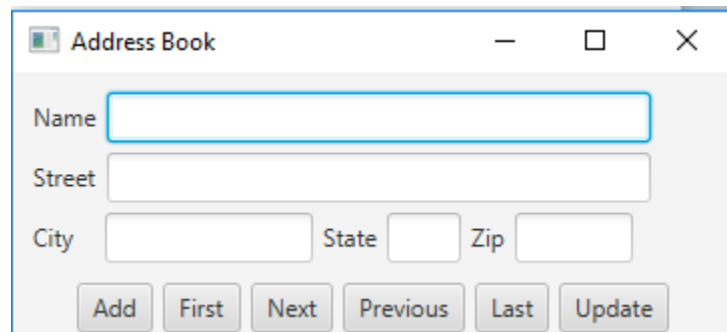
Workshop 3

Notes:

- i. Each task should be presented during the lab, demo worth 50% of the workshop marks and code uploading worth the other 50%.
- ii. At least one task should be demoed in March 14 lab and the other task should be demoed on March 21 (Student can choose which task they wants to give demo about first).
- iii. Make sure you have all security and check measures in place, like exceptional handling, 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.
- v. Other inputs can be given during demo, so make sure you test your program properly.

Task – 1: (A)

(Address book) Write a GUI program that shows the same picture as below.



(B)

Now once you created the GUI of the address book, now let's write a program which stores, retrieves, adds, 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.

- 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.