

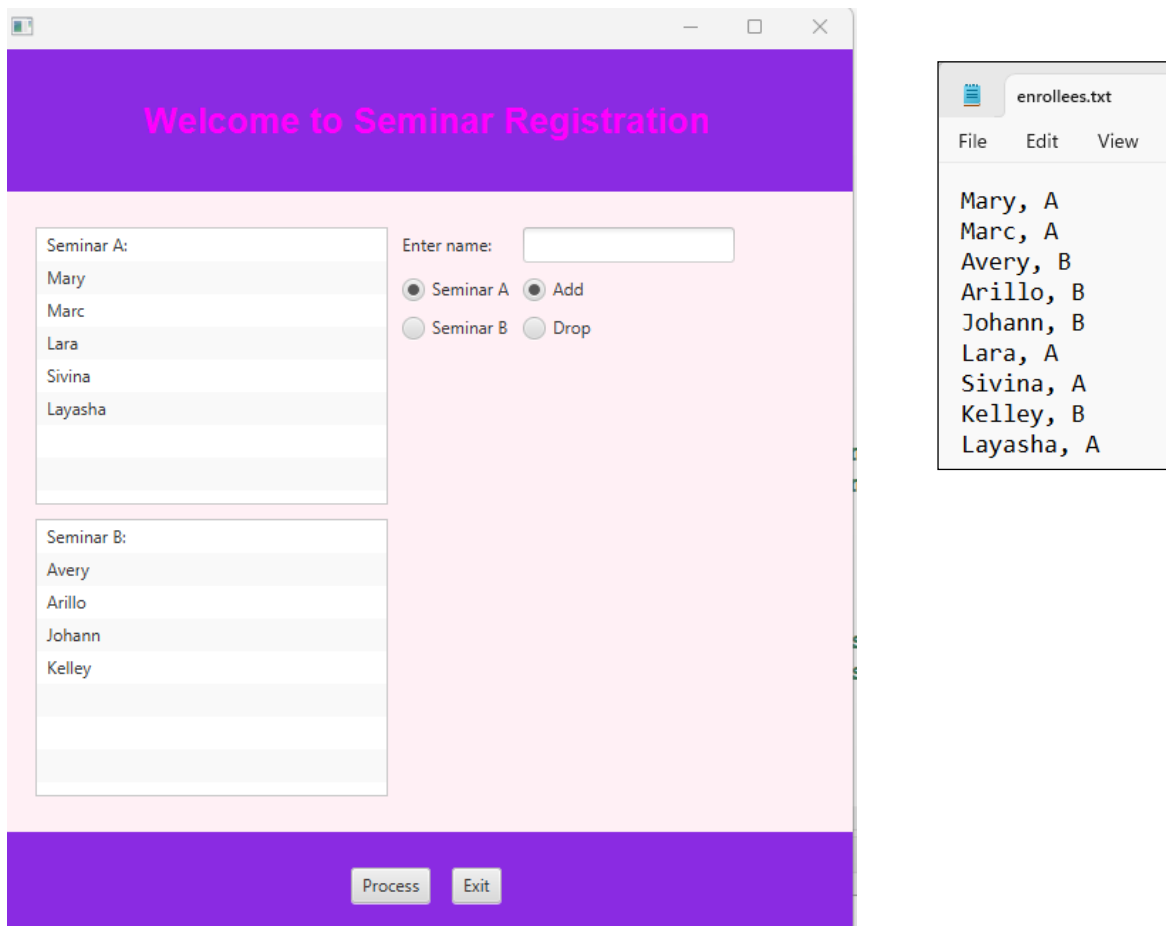
## CSC223 Assignment Week 5

**Worth: 100 points**

You can use the code for the **App.java** program that has been uploaded as a starting point to save time on developing the GUI. Please watch the video available on the Canvas assignment link that demonstrates the completed program and the layout of the GUI.

This program will practice with queues to manage waiting lists for two seminars.

When the program begins, the current enrollment data is read from text file **enrollees.txt** using a **FileChooser** control, stored into the two linked lists, and added to the two **ListView** controls.



### Processing:

The user enters a name, selects seminar A or B from the radio buttons, and selects the option to Add or Drop the seminar. There is a limit of 5 people for each seminar.

#### Add:

If there is room, the person is added to the linked list for that seminar. The List View is refreshed. If there is no room, the person is added to the wait list queue for that seminar. The result message displays. Code can assume names are unique.

#### Drop:

If the name is not found in the selected seminar, the result message reports the error. If the name is found, the person is removed from the linked list for that seminar. If a person is waiting on the seminar wait list queue, they are dequeued and added to the linked list. The ListView is refreshed. The result message displays.

### Grading Rubric:

The program is not accepted if it does not compile.

The program is not accepted if the Java Queue interface is not used.

The program is not accepted with use of while(true) loops or jump statements such as break or continue.

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The code is expected to be organized neatly with content of a block { } tabbed into the same level and comments aligned to the right or placed on top of the code line. Keep line length to about 80 characters.

	10 pts
Code is well commented and easy to read. Variables are commented as to purpose.	5 pts
The <b>FileChooser</b> object is used correctly.	5 pts
The data is read correctly from the data file into the linked lists.	10 pts
The Add option works correctly.	30 pts
The Drop option works correctly.	30 pts
Method <b>refresh</b> is written to clear the ListView and refill it from data in the linked list.	10 pts

### Submission:

Create a zip file of the JavaFX project. Use the **Upload** option on the **Assignment Week 5** link in Canvas to upload the zip file. Then click **Submit Assignment** button.

#### Need Help?

You can email questions or schedule a Zoom appointment using the online scheduler at <https://calendly.com/carolr-school>