**Introduction**

This assignment lets you finish/fix your assignment from last week, but using a different list implementation from the Java Collections. If you’ve already finished the assignment from Unit 1, this can be a very simple change.

**Directions**

1. Based on instructor feedback, finish or fix your assignment from Unit 1. Be sure to commit your work after you get each step working.
2. Replace the ArrayList in your assignment with a LinkedList from the Java collections. Do **NOT** reimplement the linked list like you did in CodeStepByStep, just use the one provided. The algorithm that you implement for your program, will be exactly the same, only the list implementation will change.
3. Write a paragraph or two about how you tested your program.
4. Generate the same timing tables that you did for Unit 1. You should see different values. Record these in your Word document.
5. Compare the timing for using an ArrayList with the same timing for using a LinkedList. Try to explain what you see and make any recommendations. Also, consider your proposed algorithm from Unit 1 that rearranges Contestants in the same list. Based on your timing estimates, explain whether you think it would take more or less time using a LinkedList rather than an ArrayList.
6. Answer the following questions in your Word document:
   * In a sentence or two, what did you learn?
   * In a sentence or two, what did you like about this project?
   * In a sentence or two, what did you find confusing or would like to see done differently regarding this project?
   * In a sentence or two, if you had another hour or two, what would you like to add to the project or how would you do things differently?

**Notes**

After your program is working for each step of the process and, you should commit your changes to the repository and push the results to GitHub. This allows you to go back to a previous working version in case you decide to throw out new code and try a different approach.

**Submit**

Be sure to put your Word document in your repository and do one final commit. Generate a .zip file from the repository and submit that file to Canvas. Double check that what you submit to Canvas has all your .java files.

**Due Dates**

* by 11:59 p.m., Sunday, CT