Critical Analysis Task A

What went well in this task was that I was able to understand better and put into practice linked queues, I was able to utilise my skills further by implementing that into a GUI that allows to add, display, count and remove names in the linked list queue. The negative aspects of my submission is that the GUI looks very generic and plain. Some things I have found difficult was implementing the LinkedList methods to work as an interactable GUI and remembering to change the queue.Count into a string by using the generic method ToString. Some things I found easy was understanding that I had to cast the individual form aspects such as QueueCountLabel and understanding that I had to specify the .Text part of it to update and change that value.

Some key difficulties I found was putting my LinkedList Enqueue, Dequeue, Display and Count functions into a GUI platform and had to learn how it could function in a GUI. More difficult things I had to overcome was having to logically think as to how to make the Display function, I had to come up and implement the idea that I had to dequeue to a string and had to put the string into another string called results and enqueue it to a new LinkedList and then dequeue from that LinkedList and enqueue it back to the original list.

My theory behind this function I made was too dequeue the values into a string and add that to another string and enqueue it back to another queue using the original string I used to dequeue the values into so I can see the actual values that are in the queue. I then had to dequeue this from the original queue using another string and then enqueue it back into the original queue and return the results string back so I can see what is actually in the list, this idea overall worked well but I do feel like it can be made more efficient and there is probably a less complicated way of implementing a method of getting the individual values from a queue and presenting it.

Overall from this task though I have developed my knowledge and understanding of how LinkedList’s work and function and how I can adapt this knowledge into other areas of use, like I have here in this task by adapting my code to be used in a GUI and coming up with functions to meet the criteria asked of me.

Some things I could improve on my submission is the overall appearance on my GUI and the way it looks as it does not like very appealing and looks very generic. And potentially make the code more efficient as well but I am not too sure how to make it more efficient then it is currently so I would have to research into this more.