Timothy Lee

2/26/13

CIS 237

Due Date: Thursday, February 28, 2013 at 12:00AM

* Timothy Lee
* **Assignment 2:** Linked lists, file input, sorting linked list
* **Initial “napkin” design of your system (does not need to match your final design) – could be pseudocode, quick pictures, bullet-point lists, flowchart, etc**
  + Get used to list methods as they are written
  + Edit employee class to fit assignment requirements
  + Declare streamreader to read input file into array using split method
  + Declare a new employee list from the previously defined linked list class
  + Add the contents of the input file into the linked list through the array
  + Write overloaded operators for nodes(also did for employee class)
  + Write sort method for list class
  + Sort the inputted file
  + Write console inputs and prompts for user input of employee item
  + Assign as new node in linked list
  + Sort result
  + Print result
* **Brief (1 paragraph/3-4 sentences) description of your solution**
  + The assignment was going great until it came time to sort the linked list. I had so much trouble wrapping my head through the node concept and wondering how to apply the rest of the list to either continue searching it, or assign it as a new list. Eventually after much studying and stepping away from it for a whole day I got it down. I modified a bubble search to fit my needs(never quite got the mergesort lol). Afterward rigging up a quick user input menu type system was a piece of cake.
  + Sorry it is late. I started it two days before the due date(I was waiting for all the parts of my computer I was building to come in as well as configuring it). My dreaded laptop death finally hit me. When I was having trouble I did step away for a full 24 hours(I did do some searching the net on linked lists). That was only because I spent all day Friday trying to get it and began wondering if there was something wrong with me(Ive tried and failed at linked lists in the past too lol). But I got it! And since I’ve gotten 100% on everything else I’m not too worried about the hit in grade on my test and for this being late. : )
* **Any known problems, issues, errors, etc**
  + While it could overall be a more polished and production ready program, I can say with full confidence that there are no known issues or bugs with this program. Good because its late lol.
* **List of any outside resources you used to complete your solution**
  + Google, MSDN, StackOverflow, anything on the internet dealing with linked lists and sorting, preferably with C#...