
Introduction to Algorithms, CISC-250

Assignment 1

(200 Points)

Please read the instructions carefully before working on this assignment.

1. Download all the files provided to you. Place all the files to a folder named Assignment_1. **Assignment_1** folder must be within **Assignments** folder **(20 Points)**.
2. Modify the class **DoublyLinkedList** (**DoublyLinkedList.py**) so that you will get a desired result like the sample attached herewith.
 - a. Modify the **else** section of function **insertNodeAtRear (...)**, **(40 Points)**.
 - b. Modify the **else** section of function **insertNodeAtFront(...)**, **(40 Points)**.
3. You **must not modify the code unless explicitly** allowed to do so. Failure to follow this rule will result in **zero points for this assignment**.
4. Modify the contents of the linked list to create your own To-Do list.
 - a. You must insert at least six nodes from the rear side of your linked list **(15 Points)**.
 - b. You must insert at least one node from the front side of your linked list **(15 Points)**.
5. You must upload a printed version of your sample output, i.e., **Assignment_1_Sample_Output_YourFirstName.pdf (30 Points)**.
6. There should not be any logical and/or syntax errors in your code **(-100 Points)**.
7. You must compress your Assignments folder that contains Assignment_1 folder and respective Python files. You must upload the compressed file on D2L. The filename of that compressed file must be **Assignment_1_YourFirstName.zip (10 Points)**.
8. Your sample output should be like one provided to you except for the contents of the linked list **(30 Points)**.
