[SE2205] Mini-Project 1: Doubly Linked List

Task 1:

Implement the Doubly Linked List data structure, as explained in the course and add the following functionalities to it:

1- An ability to print all the stored entries starting from the beginning they are stored.
2- An ability to print all the stored entries in a reverse order.

Task 2:

Create another class for the main function in which you implement the following:

1- Read and an arbitrary number of entries from the user and store them in an object of the class you created in Task 1.
2- Print all the entries in order that they were inserted using the functionality you implemented in Task 1.
3- Print all the entries in reverse order using the functionality you implemented in Task 1.
4- Create a loop that prints then removes each entry starting from the beginning.
5- Repopulate your object, then create a loop that prints then removes each entry starting from the end.

Submission Instructions

- Submit your Java files to the group assignment on OWL.
- Late submission will be accepted for up to 3 days late with 10% deduction for each day.

Regarding the group work

- Even though you are working on a group, you expected to understand all the code implemented in the project, so the group work is meant for collaboration and discussion.
- If a group reported any of their members to be uncommunicative or not participating, that member will be removed from the group and will not receive the mark for the submission.