Assignment 3: DLL – Create a List

The **start project** contains a class **DoublyList** with a member function, **createAList**, that creates a list. Your job is to follow the directions written inside the function and complete the implementation.

There are **9 sections** that need to be implemented in the function. Each section will go through **testing cases** that will check if the list can be printed forward and backwards, if the number of nodes is correct, if the **first** and **last pointers** are pointing to the correct node, and if the **prev pointer** of the **first node** and the **next pointer** of the **last node** are pointing to **NULL** (this will be displayed with 0s).

The **main** function will create a doubly-linked list **dList**, using the **default constructor**, and will call the function **createAList** to add nodes to **dList**.

A few rules:

- You will need to declare **one pointer** and you may **re-use** this pointer throughout the function, but you are **NOT** allowed to create additional pointers.

- Do **NOT** remove existing comments (this counts as 1 point).

- Pay **CLOSE** attention to **instructions**.