Workflow

N.T.	04.00
Name:	04.02
Points:	3 pts
Deadline:	03/15
Prerequisite(s):	none

Main

	l represent a multiset with an infinite capacity, where a multiset is an unordered collection of objects. The class contain
	a private generic $Node$ pointer field named $data$.
	its special member functions that should be public and the default value of $data$ is null.
	a public overridden Insert() method. It adds the parameter to the multiset.
	a public overridden $\texttt{Remove}()$ method. It removes an instance of the parameter from the multiset if the multiset is not empty.
	a public overridden ${\tt IsEmpty}()$ method. It returns true if the multiset does not have any members; otherwise, it returns false.
	a public overridden Contains() method. It returns true if the parameter is in the multiset; otherwise, it returns false.
	a public int constant method named Size() that takes no parameters. It returns the size of the multiset.
	a public int constant method named Count() that takes a constant generic reference parameter. It returns the number of occurrences of the parameter in the multiset.

Create a header file named **w0402.h** that defines a generic class named *Multiset* that inherits the interface *SetInterface*.

Test

2. Create a cpp file named **main.cpp** that creates a *Multiset* object and test each of its methods. The outputs of the methods that are not void must be displayed.

of the multiset all enclosed in curly braces with each element separated by a comma.

 \square a public string constant method named ToString() that takes no parameters. It returns a string of the elements