Classroom.cpp Documentation

• Method Name:

0	AddStudent()
Return	
0	Bool
Pre-Co	ndition:
0	There are > 0 students, UID of new student != UID of current students.
Post-Co	ondition:
0	Returns true if new student was added; return false if student already present.
Metho	d Name:
0	RemoveStudent()
Return	:
0	Bool
Pre-Co	ndition:
0	There are > 0 students in gradebook, UID of student to be removed == UID of existing student.
Post-Co	ondition:
	A value of true is returned if the student identified by their UID is removed; otherwise
0	A value of the 13 retained if the student lacitimed by their old is removed, other wise
0	return false.
	return false.
Method	return false. d Name:
Metho	return false. d Name: AddProject()
Method O Return	return false. d Name: AddProject()
Method O Return	return false. d Name: AddProject() : None
Methodo	return false. d Name: AddProject(): : None indition:
Method Return Pre-Cod	return false. d Name: AddProject() : None ndition: Current projects > 0
Method Return Pre-Cod	return false. d Name: AddProject(): : None indition:
Method Return: Pre-Cod Post-Cod	return false. d Name: AddProject() : None indition: Current projects > 0 condition: New project is added to student's project list
Method Return Pre-Coi Post-Co	return false. d Name: AddProject() : None ndition: Current projects > 0 ondition: New project is added to student's project list
Method Return: Pre-Cod Post-Cod Method	d Name: AddProject() : None ndition: Current projects > 0 ondition: New project is added to student's project list d Name: AddExams()
Method Return Pre-Col Post-Co Method Return	d Name: AddProject() : None ndition: Current projects > 0 ondition: New project is added to student's project list d Name: AddExams()
Method OReturn: OPre-Coi OPost-Co OReturn: OReturn:	d Name: AddProject() : None ndition: Current projects > 0 ondition: New project is added to student's project list d Name: AddExams() : None
Method Return Pre-Cod Method Return Pre-Cod Pre-Cod	return false. d Name: AddProject() : None ndition: Current projects > 0 ondition: New project is added to student's project list d Name: AddExams() : None ndition:
Method Pre-Con Return: Return: Pre-Con Pre-Con	d Name: AddProject() : None adition: Current projects > 0 ondition: New project is added to student's project list d Name: AddExams() : None adition: Exams in list > 0, added exam grade > 0.
Method Pre-Con Return: Return: Pre-Con Pre-Con	return false. d Name: AddProject() : None ndition: Current projects > 0 ondition: New project is added to student's project list d Name: AddExams() : None ndition:

	List_impl.hpp Documentation
ſ	Method Name:
_	o List()
ŀ	Return: O None
F	Pre-Condition:
-	o None
	Post-Condition:
F	Post-Condition:
ŀ	 Nodes are initialized correctly.
F	
r	 Nodes are initialized correctly. Method Name: ~List()
r	 Nodes are initialized correctly. Method Name: ~List() Return:
P F	 Nodes are initialized correctly. Method Name: ~List() Return: None
P F	 Nodes are initialized correctly. Method Name: ~List() Return: None Pre-Condition:
P F	 Nodes are initialized correctly. Method Name: ~List() Return: None Pre-Condition: None
P F	 Nodes are initialized correctly. Method Name: ~List() Return: None Pre-Condition:

Method Name:

• Pre-Condition:

• Post-Condition:

None

• Return:

SetFinalExams()

○ There are > 0 exam grades in list, final exam > 0.

	 None
•	Pre-Condition:
	Counter != Max_Count
•	Post-Condition:
	o Item added to list, counter is incremented
•	Method Name:
	DeleteItem ()
•	Return:
	o bool
	Pre-Condition:
	 Item to be deleted == item in list
	○ Counter > 0
	Post-Condition:
	 Value of true returned if item removed
	Counter decremented
	 Value of false if not removed
	Counter unchanged
	Mathad Name
	Method Name:
	o Count ()
	Return:
	o int
	Pre-Condition:
	o None
	Post-Condition:
	 Number of elements in list is returned
	Method Name:
	o Front ()
	Return:
	 Reference pointer
	Pre-Condition:
	Number of items in list > 0
	Post-Condition:
	 Memory location of first item returned.

• Method Name:

• Return:

AppendItem()

•	Method Name:
	o Front ()
•	Return:
	о Туре
•	Pre-Condition:
	Number of items in list > 0
•	Post-Condition:
	 Returns a copy of the first item in the list
•	Method Name:
	○ Back ()
•	Return:
	Memory location
•	Pre-Condition:
	Number of items in list > 0
•	Post-Condition:
	 Memory of last item in list is returned.
	·
•	Method Name:
	o Back ()
•	Return:
	о Туре
•	Pre-Condition:
	Number of items in list > 0
•	Post-Condition:
	 A copy of last item in list is returned.
•	Method Name:
	IterateItems ()
•	Return:
	o pointer
•	Pre-Condition:
	Number of items in list > 0
	 _iterator pointer not at last list item
•	Post-Condition:
	 Returns value at _iterator pointer
	 _iterator pointer now pointing at next list item

- Method Name:
 - o AtEnd ()
- Return:
 - o bool
- Pre-Condition:
 - Number of items in list > 0
- Post-Condition:
 - o Value of true returned if iterator pointer is at list end
 - o Value of false returned if not at end of list

• Method Name:

List()

• Return:

0

• Pre-Condition:

C

• Post-Condition: