

## CESG 505 Bonus Assignment

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1. Create a class that displays the GUI shown on the next page. Follow specifications on the subsequent pages.
2. Make sure the overall appearance is preserved as the window is rescales (use QLayouts)
3. Create callback functions for the "Save" Button and the "Cancel" Button.
4. Create callback functions that Check one and uncheck the other QRadioButtons (items 5,6,7).
5. The last callback should also update the QComboBox (example names for the assignments are OK)

Tasks 3, 4, 5 require the use of the **connect** method.

This is my default interface:

The screenshot shows a Qt application window titled "Main Windows". It features a table with 9 rows of student data. The first column contains row numbers (1-9), the second column contains IDs (1000001-1000009), and the third column contains names (F4241-F4249). To the right of the table is a "name:" text input field. Further right is a "Type" section with three radio buttons: "HW" (selected), "Lab", and "Exam". Below the radio buttons is a QComboBox displaying "Homework Assignment #1 (2)". At the bottom right, there are two text input fields labeled "Target:" (containing "60.0") and "Score:", followed by "cancel" and "save" buttons.

	ID	Name
1	1000001	F4241
2	1000002	F4242
3	1000003	F4243
4	1000004	F4244
5	1000005	F4245
6	1000006	F4246
7	1000007	F4247
8	1000008	F4248
9	1000009	F4249

When I change radio Button from HW to Lab, the content of combo box and target score can be changed .

Main Windows
?
X

name:

	ID	Name
1	1000001	F4241
2	1000002	F4242
3	1000003	F4243
4	1000004	F4244
5	1000005	F4245
6	1000006	F4246
7	1000007	F4247
8	1000008	F4248
9	1000009	F4249

Type

☐ HW
☒ Lab
☐ Exam

Lab #1 (2829219)
Lab #1 (2829219)
Lab #2 (2786809)
Lab #3 (2786810)
Lab #4 (2786811)
Lab #5 (2856765)
Lab #6 (2786812)
Lab #7 (2786813)
Lab #8 (2870743)
Lab #9 - Beam Lab (2786814)
Lab #10 (2786815)

Target: 10.0
Score:

cancel
save

Using name line edit, it can search all students who can match the content.

Main Windows
?
X

name: f432

	ID	Name
1	1000224	F4320
2	1000225	F4321
3	1000226	F4322
4	1000227	F4323
5	1000228	F4324
6	1000229	F4325
7	1000230	F4326
8	1000231	F4327
9	1000232	F4328

Type

☐ HW
☒ Lab
☐ Exam

Lab #1 (2829219)

Target: 10.0
Score:

cancel
save

Main Windows

?
X

name:

	ID	Name
1		
2		
3		
4		
5		
6		
7		
8		
9		

Type

☐ HW
☐ Lab
☒ Exam

Final Exam (2786798)
Midterm 1 (2786796)
Midterm 2 (2786797)
Final Exam (2786798)

Target: 
Score:

No student's name contains 'f44'

Main Windows

?
X

name:

	ID	Name
1		
2		
3		
4		
5		
6		
7		
8		
9		

Type

☒ HW
☐ Lab
☐ Exam

Homework Assignment #6 (2
Homework A... (2786783)
Homework A... (2786789)
Homework A... (2786785)
Homework A... (2786784)
Homework A... (2786786)
Homework A... (2786793)
Homework A... (2786791)
Homework A... (2786790)
Homework A... (2786787)
Bonus Assig...9 (2786795)

Target: 
Score:

Main Windows

name: f4

	ID	Name
1	1000001	F4241
2	1000002	F4242
3	1000003	F4243
4	1000004	F4244
5	1000005	F4245
6	1000006	F4246
7	1000007	F4247
8	1000008	F4248
9	1000009	F4249

Type  
☒ HW ☐ Lab ☐ Exam  
Homework Assignment #6 (2 ▾)

Target: 70.0  
Score: 60

cancel save

Entering the 'cancel' button, all line edit can be cleared.

Main Windows

name:

	ID	Name
1	1000001	F4241
2	1000002	F4242
3	1000003	F4243
4	1000004	F4244
5	1000005	F4245
6	1000006	F4246
7	1000007	F4247
8	1000008	F4248
9	1000009	F4249

Type  
☒ HW ☐ Lab ☐ Exam  
Homework Assignment #1 (2 ▾)

Target: 60.0  
Score:

cancel save