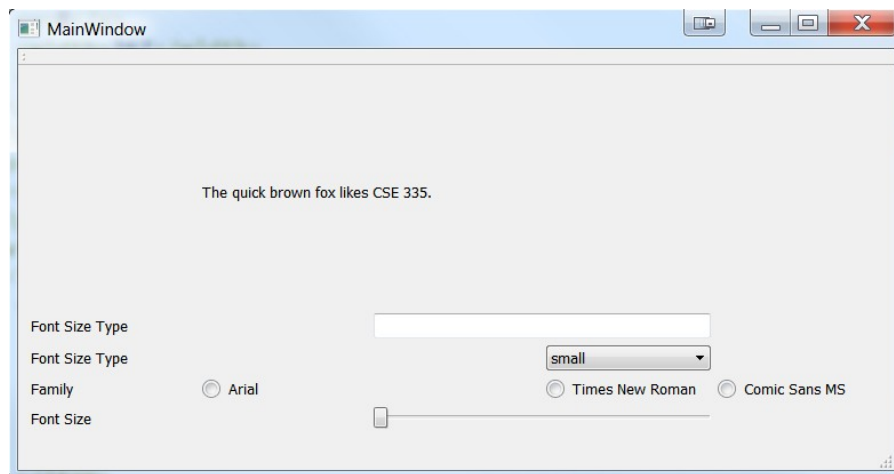
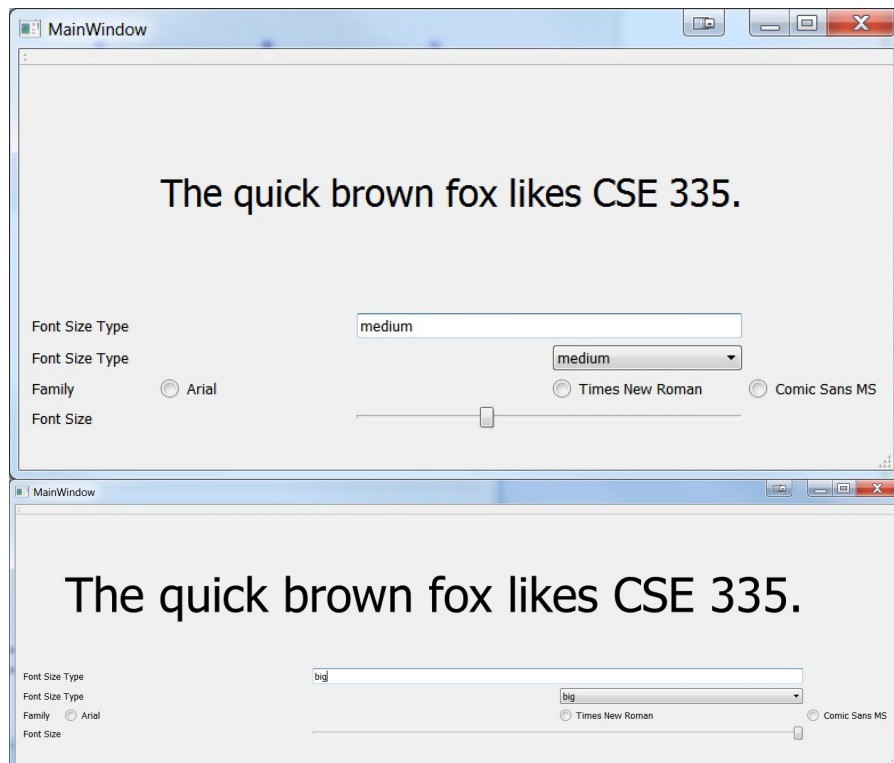


Homework 16

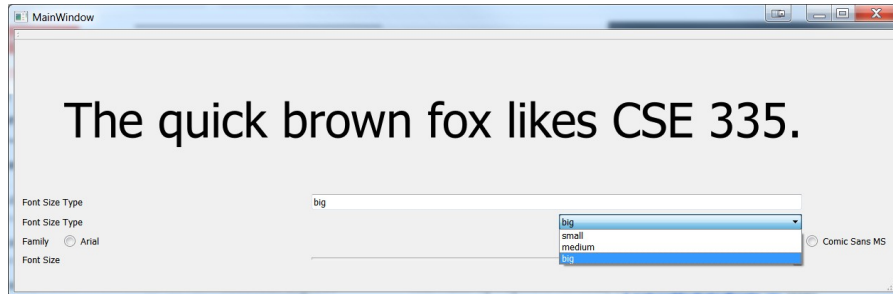
The goal of this homework is to practice the GUI development using QT and Mediator pattern. The main window of your program should be designed as shown in the image below. For your convenience an executable is provided. You can download and run the executable to see how your program should work.



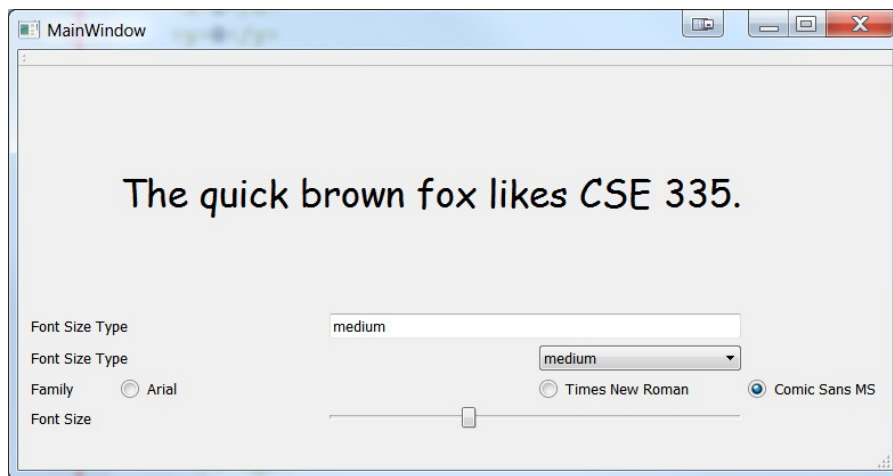
User can type "small", "medium" or "big" in the input line edit. Once the user types the font size of the text label changes as shown below. Note that the selection in the combo box and the slider position also changed.



There are three options in the combo box “small”, “medium” and “big” as shown below. When a user selects one of the three options it changes the font size of the text label. Note that the text in the line edit and the slider position also changed.



There are three radio buttons for changing the font style of the text label. When a user selects a radio button, it changes only the font style of the text label.



Finally, moving the slider changes the font size of the text label. It does not affect the combo box selection, the text in the line edit or the radio buttons.

In your program use 10, 20 and 40 for font sizes small, medium, and big respectively. The range of your slider should be from 10 to 40 with an interval size of 1.

Due: April 7, 11:59PM, 2019.

Turn in one file via handin: the zip file of your whole QtCreator directory. No UML. The name of your zip file should be: LastName_FirstName.zip. For example, if your name is John Smith, you should turn in one file: Smith_John.zip.