

## CPE 353 Practice Problem 0003\_Layout\_Nested

### Executable Sample Solution

The goal is to develop your application such that its appearance and behavior *exactly* matches that of the sample solution. To execute the sample solution, log into **blackhawk.ece.uah.edu**, redirecting the X11 display to your current machine – see the relevant Remote Access Guide on the course web page for assistance with this. Then in a terminal window, type the following command to execute the sample solution for this problem

```
/home/work/cpe353/problems/p0003
```

### Project Specifications

Use the **qtcreator** integrated development environment to develop a Qt 5 dialog application that has the following displayable widgets appearing in the order indicated in the sample solution

**QPushButton** object containing the text “**Ok**”

**QPushButton** object containing the text “**Cancel**”

**QLabel** object with no frame containing the text “**0003**”

**QLabel** object with no frame containing the text “**Last Name**”

**QLabel** object with no frame containing the text “**First Name**”

Two **QLineEdit** objects (next to the first name and last name labels)

One vertical **vertical bar**

Two **horizontal bars**

As suggested by the title of this layout, you will need to nest different types of layouts (horizontal, vertical, and grid), perhaps adding a combination of vertical or horizontal spacers, to achieve the desired appearance and behavior.

Be sure to compare the appearance and behavior of your solution to that of the sample solution when resizing the displayed window.