

CPE 353 Lab001

Goals

Practice using the following elements of Qt and software engineering concepts

- QWidget form
- Layouts (horizontal, vertical, and grid)
- Spacers (horizontal and vertical)
- Button widgets (QPushButton, QToolButton, QRadioButton)
- Manual Coding of Signal-Slot connections
 - Qt4-style
 - Qt5-style
 - Built-in and custom signals
 - Built-in and custom slots
 - Overloaded signal or slot
- **Object-Oriented Analysis and Design Concepts**
 - Use of an existing widget vs. use of inheritance to extend/customize an existing widget

Directions

Use **Qt Creator** to implement your own version of the Lab001 program.

Type the following while logged into blackhawk or a lab machines to execute the sample solution.

`/home/work/cpe353/labs/lab001`

A video discussing the solution is available via Canvas.

If you have questions, please contact the course instructor.