CPE 353 Practice Problem 0016_EventFilter

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/p0016

Project Objectives

- Additional practice locating help pages within *Qt Assistant* and practice understanding the contents of those help pages
- Practice implementing a Qt event filter

Project Specifications

Use the **qtcreator** integrated development environment to implement a dialog that displays both a QTextBrowser object and a QTextEdit object. The application is a modified chat window in which an event filter is used to modify the behavior of the QTextEdit object for certain key presses. Digits typed into the QTextEdit object are immediately appended to the contents of the QTextBrowser object. Non-digits appear only in the QTextEdit object. The Return/Enter key clears the QTextEdit object only.

The desired behavior for each operation is defined by the sample solution.

Be sure to match the look and functionality of the sample solution running on **blackhawk**.