CPE 353 Practice Problem 0018_MainWindowAPRS

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/p0018

Project Objectives

- Additional practice locating help pages within *Qt Assistant* and practice understanding the contents of those help pages
- Practice creating a **QMainWindow**-derived application using a pull-down menu, tool bar, and status bar
- Practice using **QTcpSocket** objects to communicate with a remote server
- Practice using Qt resource files with icon images

Project Specifications

Use the **qtcreator** integrated development environment to implement a main window application that will allow you to view Automated APRS messages.

Hint:
- Use your favorite search engine to locate a set of icons.
  - Search for **start icons**
  - Search for **stop icons**
  - Search for **trash icons**
- Place the icon in an **images** subdirectory within your source code directory

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