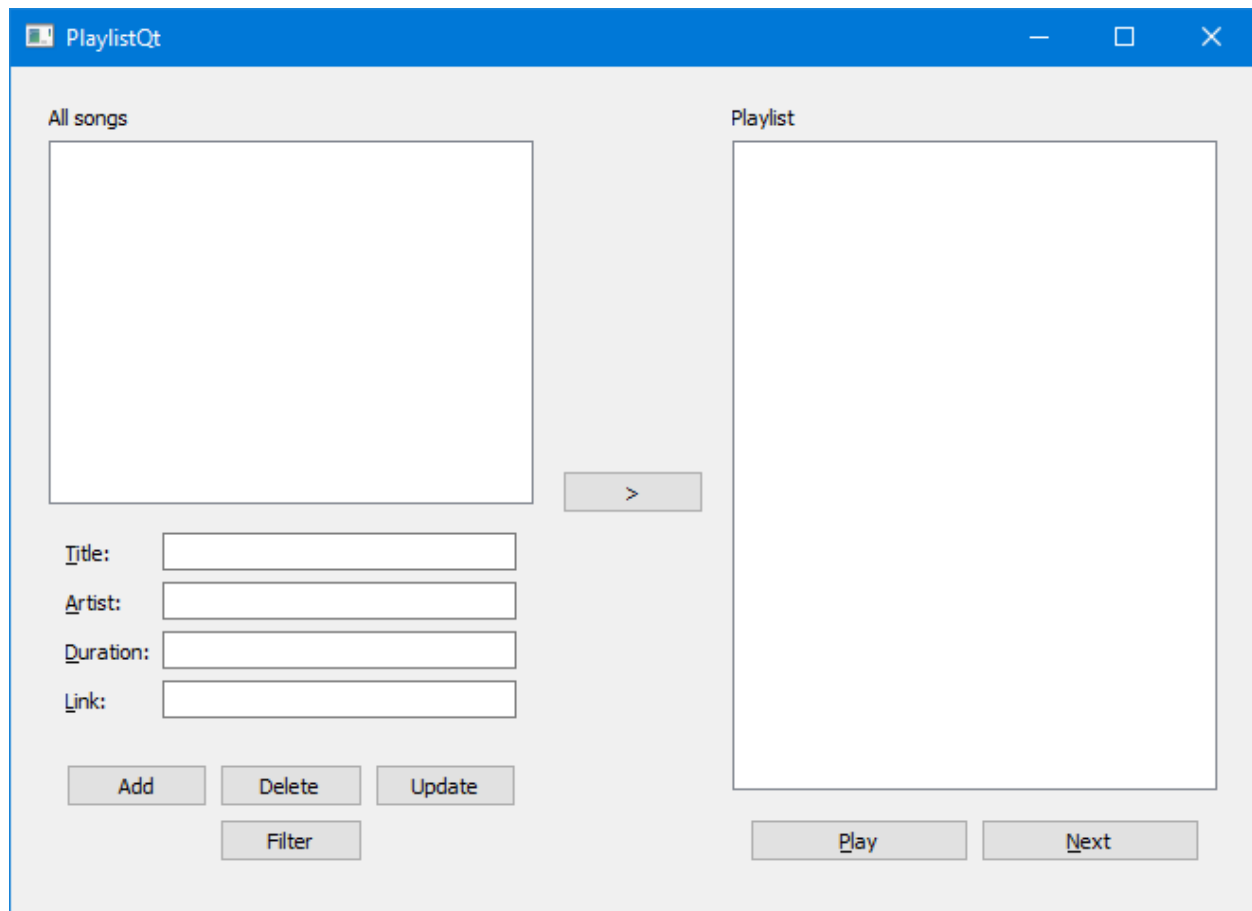


LABORATORY 11-12

REQUIREMENTS

- Create a graphical user interface (GUI) for the problem you have been working on (Labs 5,6,7,8), using Qt.
- For the first iteration, due in **Week 11**, you should implement at least the design of the interface and the list/table displaying the repository entities (administrator mode) should be populated.
- For the first iteration, the GUI *must be created and coded manually (no Qt Designer!)*.
- For the second iteration, due in **Week 12**, all the required functionalities should be available using the GUI. For this iteration, you may use Qt Designer, if you want to change the initial design of your GUI.
- [Please check the second page of this document for the bonus possibility.](#)

Below you have a sample GUI for the problem we have been using during the seminar (songs and playlists):



ADDITIONAL REQUIREMENTS - BONUS POSSIBILITY (0.2 P)

Create a graphic representation of the data in your application. You have an example below: a bar chart representing the number of songs for each artist. Your representations can be a bar chart, a pie chart or another type of chart. You can even use circles or rectangles or any other geometric shapes to “draw” your data.

Hint: You can use QPainter (<http://doc.qt.io/qt-5.6/qpainter.html>), QGraphicsScene (<http://doc.qt.io/qt-5/graphicsview.html>) or a special widget designed for plotting and data visualisation – QCustomPlot (<http://www.qcustomplot.com/>).

