How to use QStringList in Qt

Overview

This article demonstrates how to use QStringList. QStringList inherits from QList<QString>. Like QList, QStringListis implicitly shared. It provides fast index-based access as well as fast insertions and removals. Passing string lists as value parameters is both fast and safe.

Various Function

- To make a String List.

```
QStringList name,namesplit;
name << "james 1980" << "james bond" << "paul" << "jonny joker";
```

- To join all the string in string list.

```
str1 = name.join(",");//str1="james 1980,james bond,paul,jonny joker"
```

- To break up a string into a string list.

```
namesplit = str1.split(",");// namesplit is same as name
```

- Extract a new list which contains only those strings which contain a particular substring (or match a particular regular expression).

```
namesplit = name.filter("james");//namesplit = ["james 1980","james bond"]
```

- To replace String.

```
namesplit.replaceInStrings("a", "o");
```

Code Snippet

```
#include <QApplication>
#include <QString>
#include <QStringList>
int main(int argc, char *argv[])
{
 QApplication app(argc, argv);
 QString str = "world";
 QString str1;
 QStringList name,namesplit;
 name << "james 1980" << "james bond" << "paul" << "jonny joker";
 str1 = name.join(",");//str1="james 1980,james bond,paul,jonny joker"
 namesplit = str1.split(",");// namesplit is same as name
 namesplit = name.filter("james");//namesplit = ["james1980","james bond"]
 bool a = name.contains(str);//Returns true if the list contains the string str; otherwise returns false.
 namesplit.replaceInStrings("a", "o");// Replace all the occurrence of "a" with "o"
 name.sort();//Sorts the list of strings in ascending order (case sensitively).
 return app.exec();
}
```

See also

Documentation for QStringList
Originally by James1980, updates by Mind Freak

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