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<b>Platform</b>	S60 3rd Edition FP1, S60 3rd Edition FP2, S60 5th Edition	<b>Tested on devices</b>	Creator IDE V 4.5 and Emulator
<b>Category</b>	Qt for S60	<b>Subcategory</b>	Application

**Keywords (APIs, classes, methods, functions):** QTestEventList

## Overview

The QTestEventList class provides a list of GUI events. A QTestEventList can be populated with GUI events that can be stored as test data for later usage, or be replayed on any QWidget.

Events will be executed in serial wise manner. So this can be use to built a Marco.

## Preconditions

- Download and Install latest version [Qt for Symbian - Installation packages](#) which has links on how to install the latest version

## Function

- Adds a new key click to the list. The event will simulate the key qtKey with the modifiers and then wait for msec milliseconds.

```
events->addKeyClick (Qt::Key_Space);
```

- Simulates the events from the list one by one on the widget w. For an example, please read the QTestEventList class documentation.

```
events->simulate(line);
```

## Source Code

### Header File

```
#ifndef MYSIMU_H
#define MYSIMU_H
```

## TestEventList\_in\_Qt

```
#include <QtGui/QWidget>
#include<QLineEdit>
#include<QTestEventList>
#include<QHBoxLayout>
#include<QLabel>
#include<QPushButton>
namespace Ui
{
    class mysimuClass;
}

class mysimu : public QWidget
{
    Q_OBJECT

public:
    mysimu(QWidget *parent = 0);
    ~mysimu();

private:
    QHBoxLayout *lay;
    QLabel *lbl;
    QTestEventList *events;
    QLineEdit *line;
    QPushButton *paste;
private slots:
    void viral();
};

#endif // MYSIMU_H
```

## Source File

```
#include "mysimu.h"
#include "ui_mysimu.h"

mysimu::mysimu(QWidget *parent)
    : QWidget(parent)
{
    lay=new QHBoxLayout(this);
    lbl=new QLabel(this);
    events=new QTestEventList(this);
    paste=new QPushButton("PASTE",this);
    events->addDelay(1000);
    //This whole list is the list of GUI Events.
    events->addKeyClick(Qt::Key_Space);
    events->addKeyClick('a');

    events->addKeyClick(Qt::Key_Space);
    events->addKeyClick(Qt::Key_Backspace);
    events->addKeyClick('b');
    events->addKeyClick(Qt::Key_Space);
    events->addKeyClick('c');
    line=new QLineEdit();

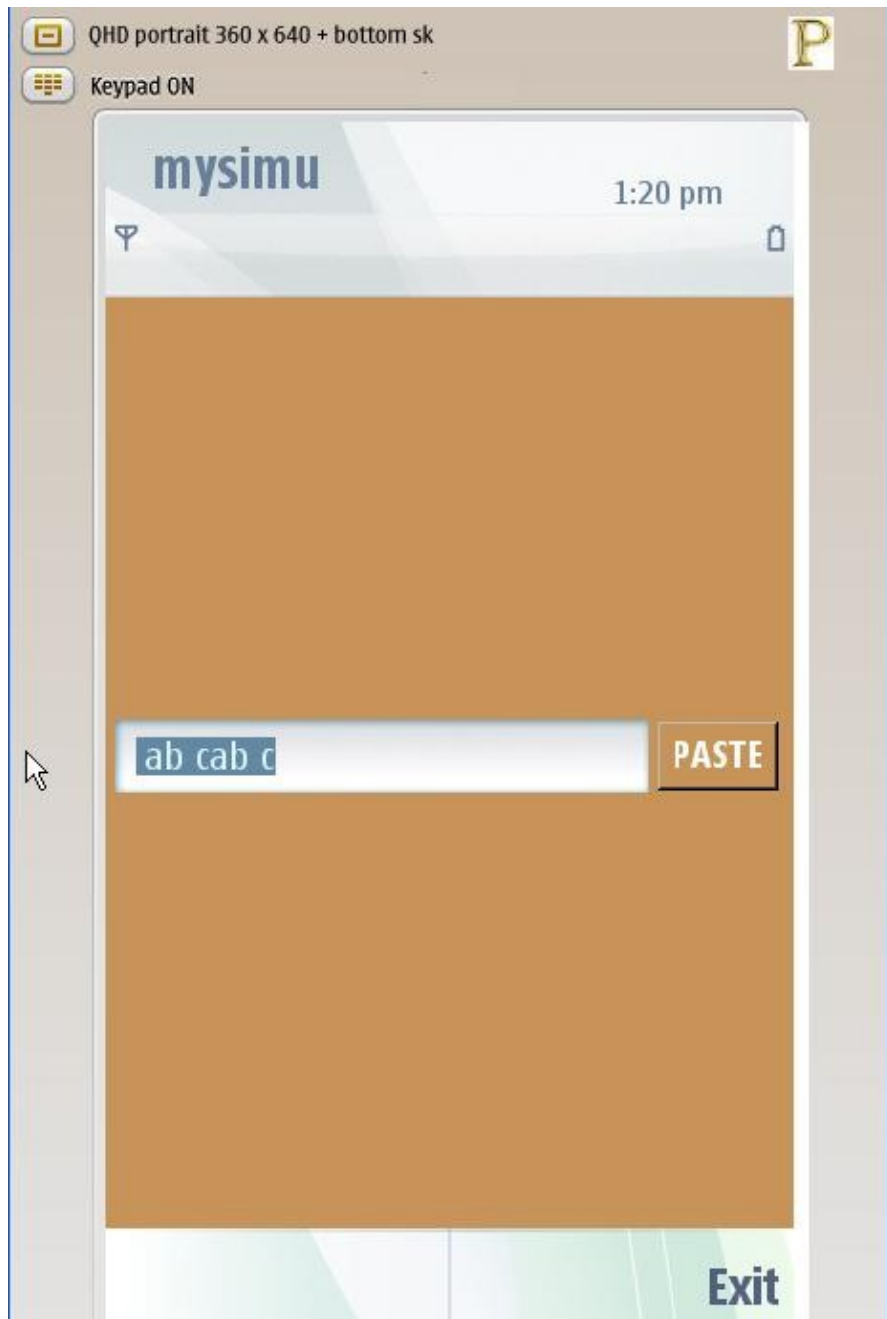
    lay->addWidget(line);
    lay->addWidget(paste);
    QObject::connect(paste,SIGNAL(clicked()),this,SLOT(viral()));
    setLayout(lay);
    showMaximized();
}
```

## TestEventList\_in\_Qt

```
    setStyleSheet ("* { background-color:rgb(199,147,88); padding: 7px ; color:rgb(255,255,255) }");  
}  
  
mysimu::~mysimu()  
{  
  
}  
void mysimu::viral()  
{  
    events->simulate(line);  
//This activate the list and the GUI events take place in the sequence in QTextEdit  
}
```

## Screenshot

More about QTestEventList visit: [QTestEventList](#)



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