Archived:QListWidget with checkbox

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Qt Quick should be used for all UI development on mobile devices. The approach described in this article (based on QWidget) is deprecated.

This code example shows the procedure of adding checkbox to a QListWidget. Multiple items can be checked in a list widget by clicking at any place on item.

Function and Functionality

This function helps to set the checkbox on list widget, items in list are checkable and multiple selection is possible.

```
setFlags(widget->item(i)->flags() |Qt::ItemIsUserCheckable);
```

Sets the check state of the list item to

```
setCheckState(Qt::Unchecked);
```

Code Snippet

.h file

```
#ifndef
 MOBIWIDGET_H
#define MOBIWIDGET_H
#include <QWidget>
#include<QListWidgetItem>
namespace Ui {
     class mobiwidget;
 }
class mobiwidget : public QWidget
{
 Q_OBJECT
 public:
      explicit mobiwidget(QWidget *parent = 0);
      ~mobiwidget();
 private slots:
      void on_pushButton_clicked();
 private:
      Ui::mobiwidget *ui;
 public slots:
      void myfun();
      void myfunction(QListWidgetItem*);
 };
```

.cpp file

```
#include"mobiwidget.h"
#include "ui_mobiwidget.h"
```


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```
mobiwidget::mobiwidget(QWidget *parent) :

    QWidget(parent),
    ui(new Ui::mobiwidget)
{
    ui->setupUi(this);
    QObject::connect(ui->pushButton,SIGNAL(clicked()),this,SLOT(myfun()));
    QObject::connect(ui-
>listWidget,SIGNAL(itemClicked(QListWidgetItem*)),this,SLOT(myfunction(QListWidgetItem*)));
}
mobiwidget::~mobiwidget()
{
    delete ui;
}
void mobiwidget::on_pushButton_clicked()
{
    ui->listWidget->addItem(ui->lineEdit->text());
}
void mobiwidget::myfun()
{

    for(int i=0;i<ui->listWidget->count();i++){
        ui->listWidget->item(i)->setFlags(ui->listWidget->item(i)->flags()
|Qt::ItemIsUserCheckable);
        ui->listWidget->item(i)->setCheckState(Qt::Unchecked);
  }

}
void mobiwidget::myfunction(QListWidgetItem *item){
    if(item->checkState())
        item->setCheckState(Qt::Unchecked);
    else
        item->setCheckState(Qt::Checked);
}
```

Snapshot

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Source Code

Download here File:Mobisnippet.zip

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