# C++课设问题笔记

## Qt设置界面居中显示

在窗口的构造函数中添加

#include <QDesktopWidget>

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/\* 窗口居中显示 \*/

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QDesktopWidget\* desktop = QApplication::desktop(); // =qApp->desktop();也可以

move((desktop->width() - this->width())/2, (desktop->height() - this->height())/2);

## 表格显示数据

// 显示一条记录

void GXTXL\_3::display1(Student& record)

{

QTreeWidgetItem\* item = new QTreeWidgetItem(ui.treeWidget);

item->setText(0, QString("%1").arg(record.sno) );//int转Qstring

item->setText(1, QString(QString::fromLocal8Bit(record.sname.c\_str())));//string转Qstring防止中文乱码

item->setText(2, QString("%1").arg(record.classId));

item->setText(3,QString(QString::fromLocal8Bit(record.ssex.c\_str())));

item->setText(4,QString("%1").arg(record.age));

item->setData(0, Qt::UserRole, record.sno); // 设置行号

}

void GXTXL\_3::display1(StudentList& records)/ / 显示多条记录

{

for(StudentList::iterator iter = records.begin();

iter != records.end(); iter ++)

{

Student& record = \*iter;

display1(record);

}

}

## Int、string、qstring之间的互相转化

Int转qstring：

QString("%1").arg(int);

String转Qstring：

QString(QString::fromLocal8Bit(record.sname.c\_str()));//string转Qstring防止中文乱码

QString转string：

QString qs = ui.lineEdit->text();

string tiao = string((const char \*)qs.toLocal8Bit());

Qstring转Int：

Qstring.toInt();

## 双击表格item事件并跳转至新的页面

//绑定事件

connect(ui.treeWidget, SIGNAL(itemDoubleClicked(QTreeWidgetItem \*,int)),SLOT(OnDoubleCheckItem(QTreeWidgetItem \*,int)));

//事件方法

void GXTXL\_3::OnDoubleCheckItem( QTreeWidgetItem \* item, int column){

xianagxi\* x = new xianagxi;

x->show();

}

## 弹出确定框

包含#include<QMessageBox>

QMessageBox::StandardButton rb = QMessageBox::question(NULL,QString::fromLocal8Bit("提示"), QString::fromLocal8Bit("是否删除？"), QMessageBox::Yes | QMessageBox::No, QMessageBox::Yes);

if(rb == QMessageBox::Yes) {}

## 右击item弹出菜单

//添加slots省略

ui.treeWidget->setContextMenuPolicy(Qt::CustomContextMenu);//必须要有，不加没反应

//绑定事件

connect(ui.treeWidget,SIGNAL(customContextMenuRequested(const QPoint&)), this,SLOT(popMenu(const QPoint&)));//检测鼠标右键//事件处理函数

void GXTXL\_3::popMenu(const QPoint &pos){

std::cout<<"点击了右键";

QTreeWidgetItem\* curItem=ui.treeWidget->currentItem(); //获取当前被点击的节点

QString qs = curItem->text(0);

string str = string((const char \*)qs.toLocal8Bit());

std::cout<<str;

QAction deleteWell(QString::fromLocal8Bit("&删除"),this);//删除井

QAction reNameWell(QString ::fromLocal8Bit("&修改"),this);//重命名井

//在界面上删除该item

connect(&deleteWell, SIGNAL(triggered()), this, SLOT(deleteItem()));

connect(&reNameWell,SIGNAL(triggered()),this,SLOT(renameWell()));

//QPoint pos=p;

QMenu menu(ui.treeWidget);

menu.addAction(&deleteWell);

menu.addAction(&reNameWell);

menu.exec(QCursor::pos()); //在当前鼠标位置显示

}

## 正则表达式限制只能输入数字

#include <QDesktopWidget>

QDesktopWidget\* desktop = QApplication::desktop(); // =qApp->desktop();也可以

move((desktop->width() - this->width())/2, (desktop->height() - this->height())/2);

QRegExp regx("[0-9]+$");