Archived:How to use QGridLayout

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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 (archived) example shows how to lay out widgets in a Grid using QGridLayout.

Like the form layout, this is also very easy to handle and widgets are arranged easily. You just have to arrange them like a matrix and give them a number like (0,1) or (1,1), which means the widget is displayed at row 0 and 1st column or in the 1st row and 1st column.

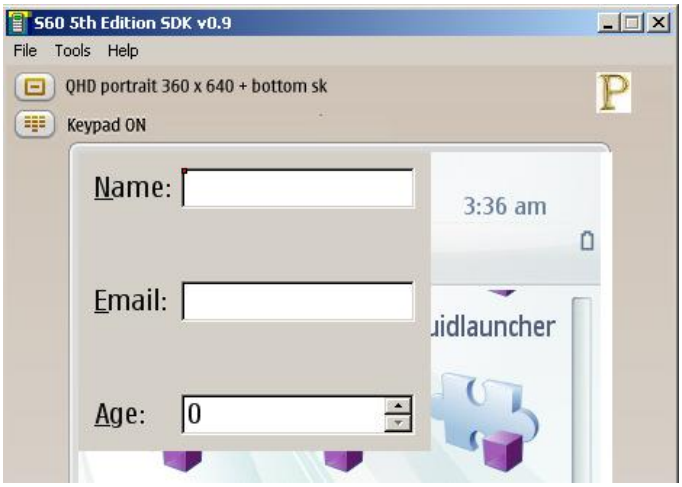
Preconditions

- Download and Install the Qt SDK

Various Function For QGridLayout

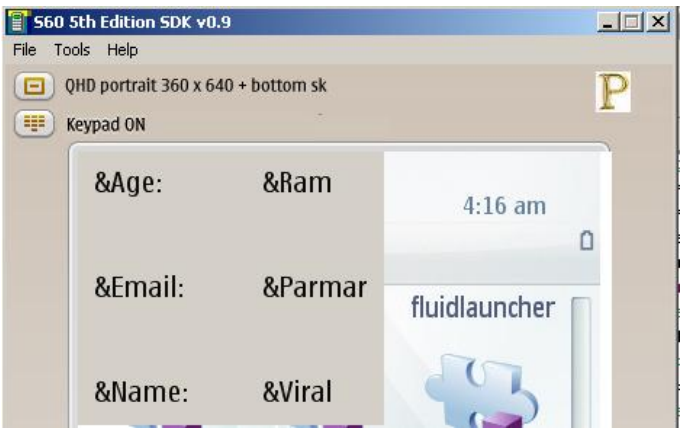
- To set the Vertical spacing between rows.

```
QGridLayout *gridLayout=new QGridLayout ();
gridLayout->setVerticalSpacing(50);
```



- To set vertical as well as horizontal spacing simultaneously.

```
gridLayout->Spacing(50);
```



- To set minimum height of row **setRowMinimumHeight(int row,int height)** as well as to Sets the minimum width of column **setColumnMinimumWidth(int column,int width)**.

```
gridLayout->setRowMinimumHeight(1,400);
gridLayout->setColumnMinimumWidth(1,200);
```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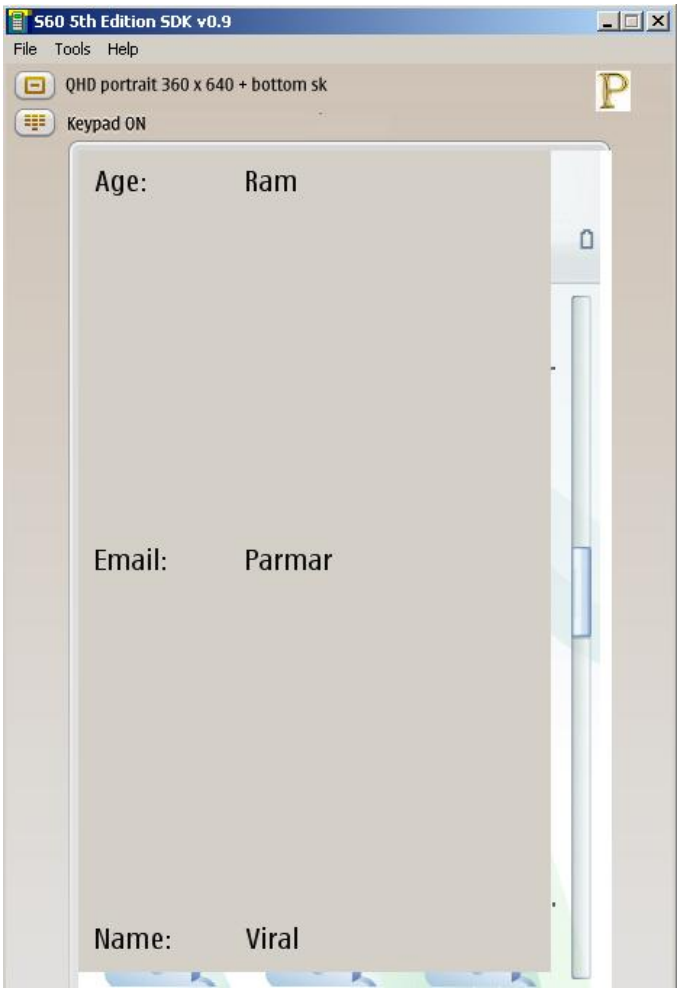

For more details in QGridLayout visit: http://doc.trolltech.com/3.3/qgridlayout.html

Code

```
#include <QApplication>
#include <QGridLayout>
#include <QLineEdit>
#include <QSpinBox>
#include <QWidget>
#include <QLabel>
int main(int argc, char *argv[])
{
 QApplication app(argc, argv);
 QLineEdit *nameLineEdit = new QLineEdit;
 QLineEdit *emailLineEdit = new QLineEdit;
 QSpinBox *ageSpinBox = new QSpinBox;
 QWidget *win = new QWidget;
  QLabel *nameLabel = new QLabel(("&Name:"));
  nameLabel->setBuddy(nameLineEdit);
  QLabel *emailLabel = new QLabel(("&Email:"));
  emailLabel->setBuddy(emailLineEdit);
  QLabel *ageLabel = new QLabel(("&Age:"));
  ageLabel->setBuddy(ageSpinBox);
  QGridLayout *gridLayout = new QGridLayout;
  gridLayout->addWidget(nameLabel, 0, 0);
  gridLayout->addWidget(nameLineEdit, 0, 1);
  gridLayout->addWidget(emailLabel, 1, 0);
  gridLayout->addWidget(emailLineEdit, 1, 1);
  gridLayout->addWidget(ageLabel, 2, 0);
  gridLayout->addWidget(ageSpinBox, 2, 1);
  win->setLayout(gridLayout);
  win->show();

 return app.exec();
}
```

Screen Shot

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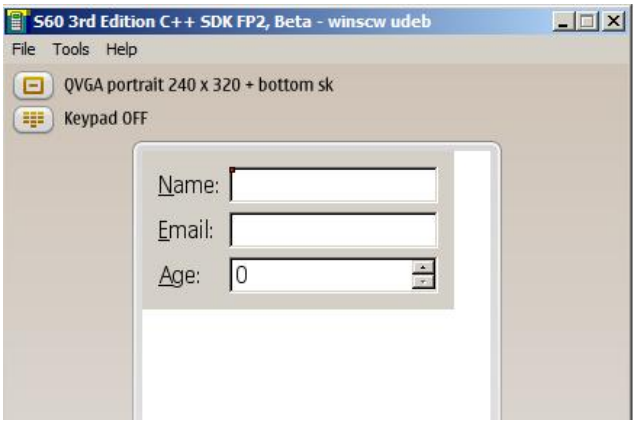

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