

60 主窗口

第二步，添加模型并与视图绑定，实现在主窗口中编辑表格的功能。

60.1 实现功能

C:\Users\Minwei\Projects\Qt\Sheet\sheetwindow.h:

```
1  ...
2  #include <QStandardItemModel>
3  #include <QItemSelectionModel>
4  ...
5  class SheetWindow : public QMainWindow
6  {
7      ...
8  private slots:
9      ...
10     void on_m_selection_currentChanged(
11         QModelIndex const& current, QModelIndex const& previous);
12     ...
13 private:
14     ...
15     QStandardItemModel* m_model;
16     QItemSelectionModel* m_selection;
17     ...
18 };
19 ...
```

C:\Users\Minwei\Projects\Qt\Sheet\sheetwindow.cpp:

```
1  ...
2  SheetWindow::SheetWindow(QWidget *parent)
3      : QMainWindow(parent)
4      ...
5      , m_model(new QStandardItemModel(100, 100, this))
6      , m_selection(new QItemSelectionModel(m_model))
7      ...
8  {
9      ...
10     ui->m_table->setModel(m_model);
11     ui->m_table->setSelectionModel(m_selection);
12     ...
13     connect(m_selection, SIGNAL(currentChanged(QModelIndex, QModelIndex)),
14         this, SLOT(on_m_selection_currentChanged(QModelIndex, QModelIndex)));
15     ...
16 }
17 ...
18 void SheetWindow::on_m_selection_currentChanged(
19     QModelIndex const& current, QModelIndex const& previous)
20 {
21     Q_UNUSED(previous)
22
23     if (!current.isValid())
24         return;
```

```
25
26     m_labCellPos->setText(QString("单元格位置: 第%1行, 第%2列")
27         .arg(current.row() + 1).arg(current.column() + 1));
28
29     QStandardItem* item = m_model->itemFromIndex(current);
30     m_labCellText->setText(" 单元格内容: " + item->text());
31 }
32 ...
```

60.2 测试验证

运行效果如图所示:

