Task (for all groups) – a new window to insert a new student
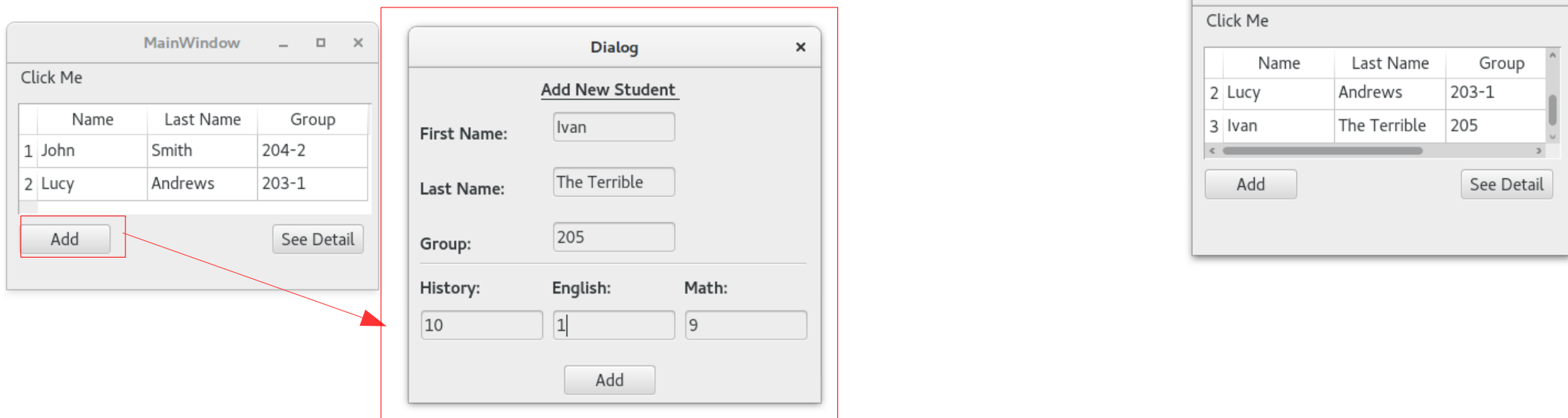

1) Create a window class called AddWindow (addwindow.h,addwindow.cpp,addwindow.ui).

2) Declare two attributes for the class AddWindow. A pointer to the model, and a pointer to the data.

3) In the AddWindow class, implement methods setModelPointer() and setModelData() which take the model and the student data from the main window.

4) Design the AddWindow (addwindow.ui) according to the picture above

5) Create the button "Add" in the addwindow.ui that takes information from the edit fields to add a new student to the model. You can use the code below:

```
int row = pointerToModel->rowCount();
pointerToModel->insertRows(row, 1);
QModelIndex index = pointerToModel->index(row, 0, QModelIndex());
pointerToModel->setData(index,ui->lineEdit->text());
index = pointerToModel->index(row, 1, QModelIndex());
pointerToModel->setData(index,ui->lineEdit_2->text());
index = pointerToModel->index(row, 2, QModelIndex());
pointerToModel→setData(index,ui→lineEdit_3→text());
```

6) Create the button "Add" in the mainwindow.ui, that when clicked executes the following code:

```
AddWindow addWindow;
addWindow.setModelPointer(model);
addWindow.setDataPointer(studentData);
addWindow.setModal(true);
addWindow.exec();
```

7) (Note that at this point we only have edited the model and student marks are not saved anywhere)
Extend step 5 of this task to save the new student in the data together with his/her marks.
You will need to complete the method update() in file student.h