Report id1614

Project structure

- src
    - about.cpp - custom widget which draws logo
    - about.h
    - about.ui
    - addrowdialog.cpp
    - addrowdialog.h
    - tablemodel.h
    - mainwindow.cpp - main window(+functionality)
    - mainwindow.h
    - main.cpp – starts programme
- data
    - exams.csv
- report.pdf

Main window

1. In file menu you have 4 options: you can open data in CSV file format; you can save your table as CSV file; you can save your cart as CSV file and you can choose language (Russian or English).
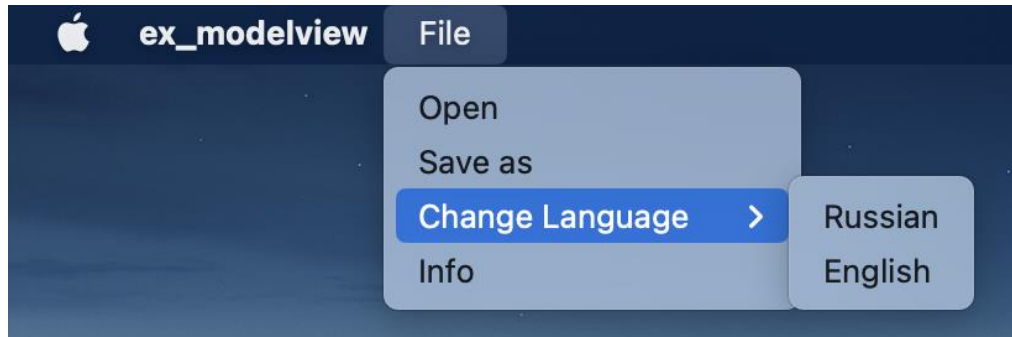
   In case of choosing Russian will translate all buttons and header columns will be on Russian.

2. You can find logo of my application in menu bar "About":
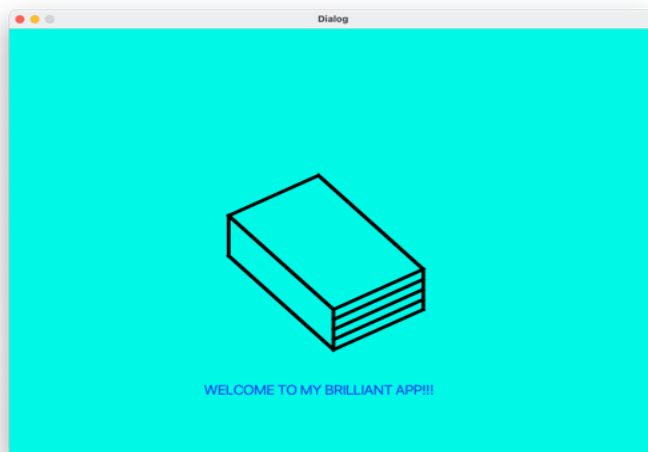
3. You can use the QComboBox with groups to see only those who are in exact group
4. You can click on the table to find out details of each person: his math score, reading score and writing score. Also, radio buttons will tell you whether the person is male or female
5. You can see the button "delete an item" which give you an opportunity to delete the row. To do it you should firstly choose the row (just click on any item in this row and then click "delete an item")
6. Next, to the right there is a button "add new". It will open a dialog window, allowing you to enter data about new person

7. In the lower right corner there is a slider allowing you to sort people by their overall result. You can set up a maximum result using QSlider.
8. Also, you can click on any column in header to sort the columns either by alphabet (if it is string) or by numbers
9. Moreover, when the app is working, you can see a special icon of it

Result and discussion

My specification was quite boring for me, so I added some more functions, which were not required. I added: slider (max price), adding new item to the dataset, deleting an item and a special icon when you open the app. All other requirements of my specification were fulfilled.

Conclusion

The main goal of the project was achieved, some more features were added, but there are some extra things that can be added to make my online shop better. For example, beautiful design of my app.