

# Report id1614

## Project structure

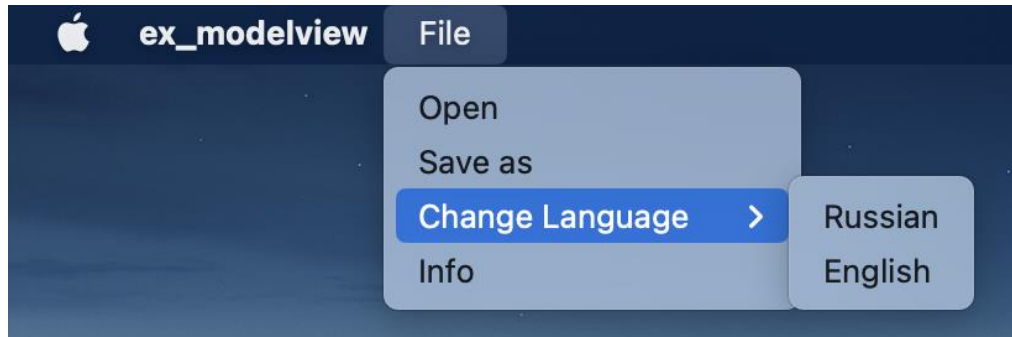
- src
  - about.cpp - custom widget which draws logo
  - about.h
  - about.ui
  - addrowdialog.cpp
  - addrowdialog.h
  - tablemodel.h
  - mainwindow.cpp - main window(+functionality)
  - mainwindow.h
  - main.cpp – starts programme
- data
  - exams.csv
- report.pdf

## Main window

The screenshot shows a Qt-based application window titled "All groups". It contains a table with 8 columns: an index, gender, race/ethnicity, ntal level of educ, lunch, t preparation cou, math score, and readir. The table lists 23 students. To the right of the table are three input fields labeled "mathScore", "readingScore", and "writingScore". Below the table are two buttons: "delete an item" and "add new". At the bottom right, there is a progress bar labeled "Max Result: 300" with a blue fill and a slider handle.

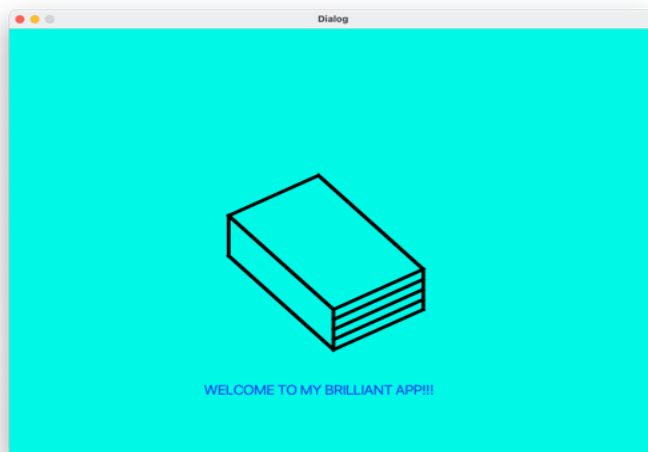
	gender	race/ethnicity	ntal level of educ	lunch	t preparation cou	math score	readir
1	male	group A	high school	standard	completed	67	67
2	female	group D	some high ...	free/reduced	none	40	59
3	male	group E	some college	free/reduced	none	59	60
4	male	group B	high school	standard	none	77	78
5	male	group E	associate's ...	standard	completed	78	73
6	female	group D	high school	standard	none	63	77
7	female	group A	bachelor's ...	standard	none	62	59
8	male	group E	some college	standard	completed	93	88
9	male	group D	high school	standard	none	63	56
10	male	group C	some college	free/reduced	none	47	42
11	male	group E	some college	standard	completed	99	83
12	female	group D	high school	standard	completed	80	87
13	male	group D	associate's ...	standard	completed	77	87
14	male	group C	high school	standard	completed	74	74
15	male	group E	some high ...	standard	completed	81	87
16	male	group E	associate's ...	free/reduced	none	69	61
17	male	group B	high school	standard	none	58	47
18	female	group C	associate's ...	standard	completed	54	62
19	female	group C	associate's ...	free/reduced	none	23	44
20	male	group C	some college	free/reduced	none	39	32
21	female	group C	associate's ...	standard	none	83	76
22	male	group C	associate's ...	standard	none	58	52
23	male	group B	some college	standard	completed	71	69

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.