SEMINAR 6

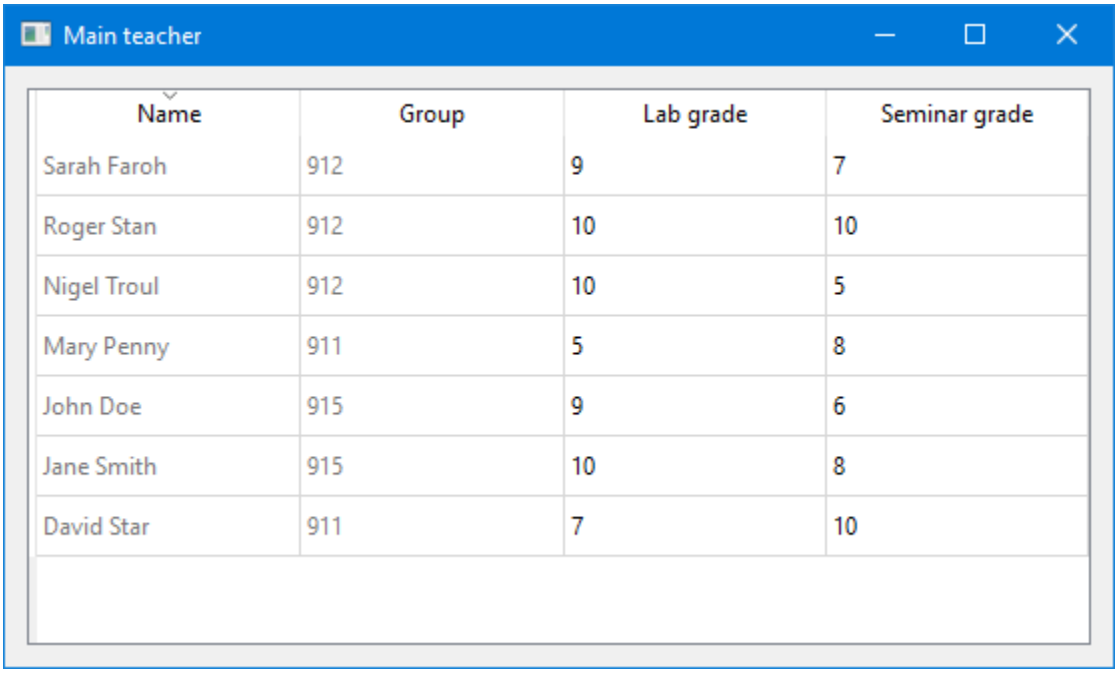
1. OBJECTIVES

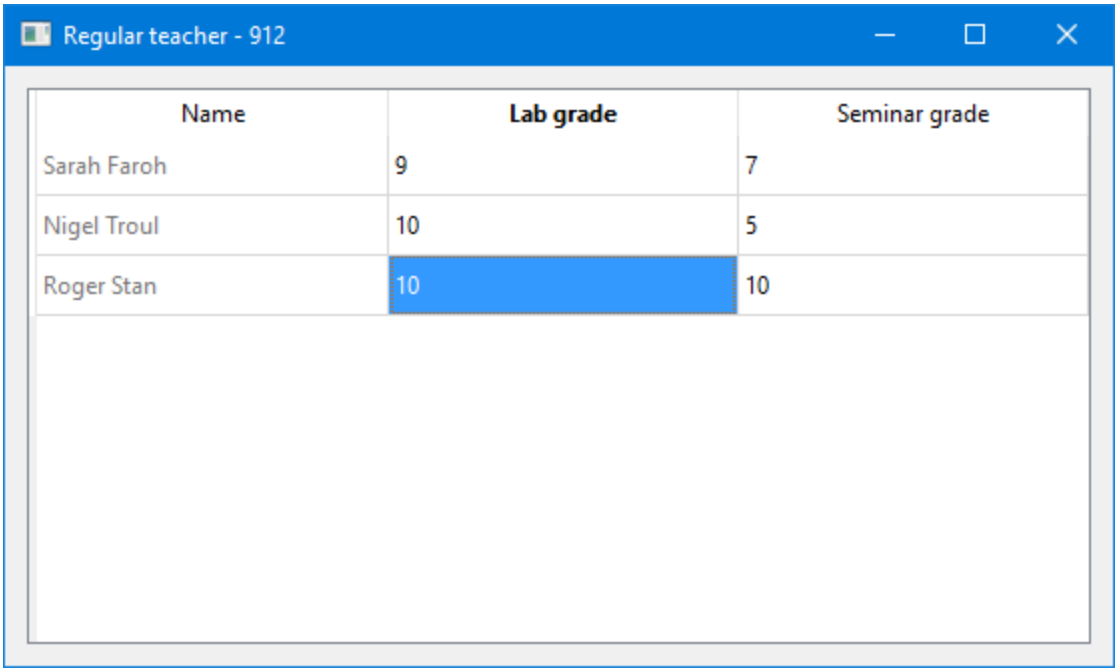
- Design graphical user interfaces (GUI), using the Qt framework.
- Understand and use the model/view architecture: separate the data from the way it is presented to the user. Define custom models.

2. PROBLEM STATEMENT

Use the Qt model/view architecture to design an application for collaborative editing of students grades. Each student has *a name*, *a group*, a *laboratory grade* and a *seminar grade*. The application can have two types of teachers: main teachers (who can see the entire list of students) and regular teachers, who can see only those students belonging to the group they are teaching to. Whenever any teacher edits the grades, all the other teachers should be able to see the modifications. The main teacher can sort the students by any of their specific fields (name, group, lab grade, seminar grade).

An example is provided below:




Regular teacher - 912
Name
Lab grade
Seminar grade
Sarah Faroh
9
7
Nigel Troul
10
5
Roger Stan
10
10