LABORATORY 14

REQUIREMENTS

- 1. Add a multiple undo and redo functionality for the operations "add", "remove", "update" in your repository. Implement this functionality using **inheritance and polymorphism.** You will have an "Undo" and "Redo" buttons on your GUI, or a key combination to undo and redo the operations (e.g. Ctrl+Z, Ctrl+Y).
- 2. Create a new window which presents the contents of your:
 - adoption list
 - movie watch list
 - shopping basket
 - tutorial watch list

This window will contain a list view/table view with all the elements in your list. You must use Qt View/Model components (QListView/QTableView). Create your own model — a class which inherits from QAbstractListModel or QAbstractTableModel.

This window will be opened from your GUI main window.

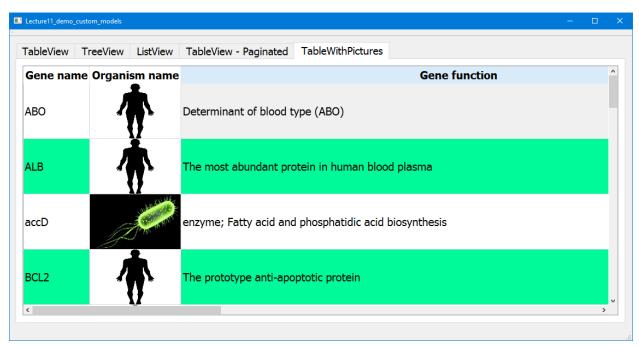
After delivering this entire assignment (both iterations), you must send an .zip archive containing your source code files (without any .obj or executable files) to the email address: commit@scs.ubbcluj.ro.

ADDITIONAL REQUIREMENTS - BONUS POSSIBILITY (0.1P FOR EACH REQUIREMENT)

For each of the requirements below, you can get 0.1 bonus points.

- 1. Add a multiple undo and redo functionality for your adoption list/movie watch list/shopping basket/tutorial watch list. We have to be able to test it using your GUI application.
- 2. Use custom delegates in Qt. In one of the columns of the Qt table view that shows the elements in your adoption list/movie watch list/shopping basket/tutorial watch list, display an image of the dog/trench coat (for problems 1 and 3), or a play button (for problems 2 and 4) which can play the movie trailer or the tutorial. Please see two examples on the following page.

Example – Lecture 11



Example - Seminar 6

