

ADVANCED PYTHON HOMEWORK 9

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Every task is worth 5 points.

Lab teacher's notes: Do not forget to test your solutions with a reasonable amounts of tests, and include them in the homework. It is even possible to design unit tests for a graphical user interface. If you ever make assumptions that are not specified in the exercise, make sure that they are well documented.

Exercise. Design a graphical user interface for the task from the previous sheet, and label it with the same number. Your implementation should support the following operations:

- reading and writing from/to the database;
- viewing the loaded data (at least two columns from the table);
- displaying full information about the highlighted record in a separate widget;
- adding new items and editing.

Editing, viewing and adding new elements may be hardcoded for one selected table/database, if you want. It should be possible to initiate specific actions both via widgets and from the menu. You can use the PyGTK library mentioned during the lecture, or another Python module for GUI elements (Tkinter, wxPython or PyQt).