

DSS: Lecture 4

(EBC 2088)

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I. THE FINAL TOUCH OF DSS: VIA “CARS_LECTURE4.XLSM”

- initialization of data
- automatic start NOT NEEDED
- closing the program
- defining the size of a userform
- helping text on userforms
- macros

II. INGREDIENTS OF THE REPORT

INITIALIZATION OF DATA:

You should put the sheet `USERDATA` into the initial position (for example, to delete all answers of the previous user).

You can do it in the [initialization of a userform](#).

CLOSING THE PROGRAM:

To prevent that the user accidentally clicks on the cross and quits the program. ← COURSE READER 7.10.2.

DEFINING THE SIZE OF A USERFORM:

← COURSE READER 7.10.2.

Code for size 400×400 :

```
Private Sub UserForm_Initialize()  
    Height = 400  
    Width = 400  
End Sub
```

For a maximal size, see the Course reader.

HELPING TEXT ON USERFORMS:

Some possibilities:

- Short explanation (tiptext) when moving with the mouse over a tool from the toolbox. ← [COURSE READER 7.9.](#)
- Command button that opens a new userform with the explanation.

MACROS:

This is a way to automatize a series of actions on one of your sheets. ← COURSE READER 6.

GENERAL REMARKS:

- Make sure that you use the different tools provided in the toolbox.
(Listbox - ComboBox and CheckBox - ToggleButton do not differ much, at least one is needed. ScrollBar - SpinButton also do not differ much, but please use at least one ScrollBar.)
- Use at least one sub and at least one function. They should be executed from at least two different places in the code.
- Use at least one loop (For or While) in the code.
- Use at least one hard constraint (possibly an optional one).

II. (SOME) INGREDIENTS OF THE PROJECT REPORT:

← COURSE READER

- ❶ Introduction: description of the choice problem: e.g., topic, why this one, target group ...
Relation of your DSS to any formal definition of DSS (course reader, or any other source, just very briefly - include reference).
- ❷ Description of your DSS and the model: e.g, structure, userforms, navigation, user guide, calculations, hard/soft constraints, system manager's guide mainly for maintenance, one highlight of the code (a special code, not too long) ...
- ❸ Value analysis and limitations.

Length: at least 16 pages.

Schedule:

Week	Topic	Date
1	Lecture 1	Tuesday, 16.04
2	Lecture 2 Team meetings	Tuesday, 23.04 Friday, 26.04
3	Lecture 3 Team meetings	Tuesday, 30.04 Friday, 03.05 (15 min.)
4	Team meetings Team meetings	Tuesday, 07.05 (15 min) Friday, 10.05 (15 min.)
5	Lecture 4 Team meetings	Tuesday, 14.05 Friday, 17.05 (15 min.)
6	Team meetings Team meetings	Tuesday, 21.05 (15 min.) Friday, 24.05 (15 min.)
7	Team meetings Deadline to turn in program and report	Tuesday, 28.05 (15 min.) Sunday, 02.06
	Project defense	Week of 03.06