

Assignment 2

Max. 15 points

Develop an application with a graphical user interface implementing the Kepner-Tregoe method. Kepner-Tregoe is a simple decision method that allows the scoring of different alternatives based on multiple parameters. Each parameter is weighted (from 0 to 10) based on the user-defined importance of a specific parameter. Each parameter of each alternative is then quantitatively scored by the user. The final score of each alternative is finally calculated using the weighted sum, where each weight of each parameter is multiplied with the given scores; those scores are at the end summed up and represent a final score of each alternative. For a more illustrative example, look up the example application on the next page.

The application should enable the user to input any number of their own alternatives and any number of parameters. Based on the user inserted data, the scores of each alternative should be calculated using the weighted sum, and the best alternative (the one with the highest score) should be somehow highlighted. Additionally, the alternative comparison chart should be plotted, as well as the parameter weight chart (see the example on the next page).

The assignment can be developed with the language of your choice.

To help you understand the requirements and to help you to develop the required application, the figure representing an example of such application is provided on the next page.

If you have any troubles with the assignment, please do not hesitate to contact me.

When you finish with the assignment, please compress all the necessary files to run your application in the zip archive and upload it on eŠtudij for grading.

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Kepner-Tregoe method

ADD PARAMETER

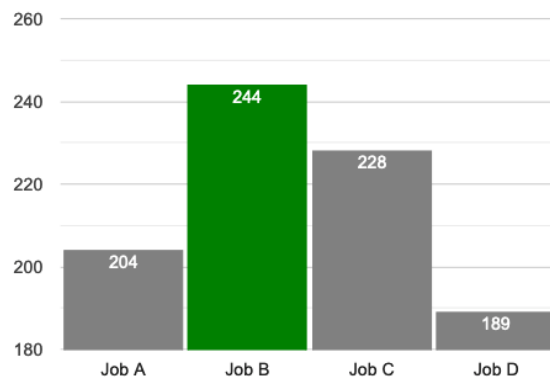
ADD ALTERNATIVE

Parameters	Weight (0-10)	Alternative 1 Job A	Alternative 2 Job B	Alternative 3 Job C	Alternative 4 Job D
<input type="radio"/> Salary	10	8	10	6	5
<input type="radio"/> Interestingness	7	4	8	2	6
<input type="radio"/> Location	5	4	2	9	1
<input type="radio"/> Safety	5	4	6	9	2
<input type="radio"/> Image	4	8	9	7	7
<input type="radio"/> Promotion	3	6	4	8	10
<input type="radio"/> Co-workers	3	2	0	4	8
		204	244	228	189

CALCULATE

RESET FORM

Alternative comparison



Parameter weights

