

Assignment 1 Inspection - Peer desk check



Assignment Objectives:

- Inspection of documents (specification, design, code) of a given problem.



Theoretical aspects

- Quality and Inspections.
- Defects.
- References: [Myers] - chapter 3; [Young] - chapter 18; [Frentiu] - chapter 4

[Myers] Glenford J. Myers, *The Art of Software Testing*, John Wiley & Sons, Inc., 2004

[Young] M. Pezzand, M. Young, *Software Testing and Analysis: Process, Principles and Techniques*, John Wiley & Sons, 2008

[Frentiu] M. Frentiu, *Verificarea si validarea sistemelor soft*, Presa Universitara Clujeana, 2010



Assignment

Inspect the documents (problem statement, design, source code) for the received problem.

Inspection refers to the analysis and the highlighting of the current state of the documents into a report.

A. Inspection may cause modification of the analyzed documents, like:

- Clarification of the statement problem;
- Modification of the design and/or the source code.

B. The applied modification should be made such that the obtained application will have the following characteristics:

- console based user interface (no GUI);
- a menu that will allow the execution of the three functionalities specified in the problem statement;
- **test cases were not written for the functionalities.**

Remarks

I. Each student will receive the statement problem and the source code corresponding to the problem.

II. For the identification of the ambiguities/defects the following *check-lists* will be used:

- a. **Statement problem:** [Lab01_Requirements Phase Defects Checklist.pdf](#);
- b. **Design:** [Lab01_Unit Design Phase Defects Checklist.pdf](#);
- c. **Source code:** [Lab01_Program Coding Phase Defects Checklist.pdf](#).

III. For the inspected documents/artifacts a report will be realized ([Lab01_Review Form.xls](#)).

IV. Improvements corresponding to **II.a.**, **II.b** și **II.c** will be made based on the report created at III.



Turn in:

- 1) The documentation will contain the report [Lab01_Review Form.xls](#), in electronic format.
 - a) Identification student data (name and group).
 - b) Laboratory assignment title and date.
 - c) Remarks, comments and improvements regarding the inspected documents/artifacts.
- 2) The improved documents based on suggestions from 1c), in electronic format.



Assignment and Delivery date:

1. Assignment date: laboratory 1
2. Delivery date (first): laboratory 2
3. Delivery date (last): laboratory 6 (-1 point for each week late delivery)