

Assignment 1 Inspection



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
- Modification of the source code.

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

- a menu that will allow the execution of the three functionalities specified in the problem statement;
- **test cases will not be written for the functionalities.**

- **In-class assignment – first hour of the lab01 (25 XP)**

- Inspection for - Requirements Phase Defects
 - Inspect the documents
 - Prj_P_ProjectName_Statement_Document.pdf
 - Prj_P_ProjectName_RequirementsDocument.pdf
 - Use file Lab01_RequirementsPhaseDefectsChecklist.pdf to guide your inspection.
 - Write the discovered information in file Lab01_Review Form.xls

- **Homework assignment (100 XP)**

- Inspect the document Prj_P_ProjectName_AnalysisDesignDocument.pdf
- Use file Lab01_DesignPhaseDefectsChecklist.pdf
- Write the discovered information in file Lab01_Review Form.xls
- Inspect the source code of the application
- Use file Lab01_ProgramCodingPhaseDefectsChecklist.pdf to guide your inspection.
- Write the discovered information in file Lab01_Review Form.xls
- Modify the source code such that all three requirements (stated in Prj_P_ProjectName_Statement_Document.pdf) work for the “happy” flow case.

Remarks

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

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) Source code - modified



Assignment and Delivery date:

1. Assignment date: laboratory 1
2. Delivery date for **in class assignment**: laboratory 1 (max 25 XP)
3. Delivery date (first) for **homework assignment**: laboratory 2 (max 100 XP)
4. Delivery date (last) for **homework assignment**: laboratory 3 (max 50XP)

