Assignment 1

Inspection AND Feature Tour testing AND Review tools

Assignment Objectives:

- Inspection of documents (specification, design, code) of a given problem.
- Tour testing – Feature Tour
- Review tools

Prerequisite:

- Create a team – exactly 2 members.
- The teacher will assign you a project number to work on.

Assignment = In-Class assignment + Take-Home assignment

- **In-Class assignment (**Maxim 25 XP)
  - 40 minutes time for problem solving and delivery
  - TO DO:
    1. Inspect the Requirement documents and using the RequirementPhaseDefectsChecklist, create a Review form. Minimum 5 defects should be stated. (15XP) Documents:LabAssiAsseRequirements.pdf,Project_RequirementsDocument_LabAssiAsseProjectV0x.doc, Lab01_DefectChecklist.pdf, Lab01_ReviewForms.doc.
    2. Conduct a Feature tour testing by "Playing" with the application and create a document that contains a List of features that you have discovered. Minimum 5 features should be stated. (10XP)
  - 40 minutes time for problem solving and delivery
  - TO DO:
    1. Create Maven project for your received lab problem.
    2. Use the Info-Maven.pdf tutorial.
- **Take-Home assignment (**Maxim 75 XP)
  - TO DO:
    1. Inspect the analysis design document and the source code of the application document and using the DesignPhaseDefectsChecklist and ProgramCodingPhaseDefectsChecklist from the Lab01_DefectChecklist.pdf document as a guide, create a Review form. (25XP)
    2. Use one of the tools (CodePanorama, RefDistiller, Gerrit, Code Review, or other review tool that you find available) for the received project assigned by your lab teacher. Prepare a 3 to 5 minutes video with the tool in execution for a designed scenario to illustrate the use of the tool, the findings and the benefits of using it. The video must contain your voice explaining the use of the tool for the specific scenario (in your received project) with comments on the findings. (25XP)
    3. Use the created Maven project. Modify (if necessary) the source code such that at least the three functionalities are "called". (You do not have – YET- to check of the obtained results are correct). (25XP)
       - Add a Student
       - Add a Laboratory assignment
       - Add a Grade to a Student at a given Laboratory assignment.

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 Take-Home assignment**: laboratory 2 (max 75 XP)
4. Delivery date (last) **for Take-Home assignment**: laboratory 3 (max 25XP)

Turn in:

Delivered and presented in class AND upload on Teams after Delivery in class the following archives (IC for In-Class delivery, TH for Take-Home delivery, 93X change with your group, Name01Name02 the name of the two members)

a. Lab1_IC_93X_Name01Name02.zip
   i. document ReviewForm for Requirements Inspection
   ii. document Feature List for Feature Tour Testing
b. Lab1_TH_93X_Name01Name02.zip
   i. Document ReviewForm for Design Inspection and for SourceCode Inspection.
   ii. Video with the review tool used for a specific scenario of the application.

References

- See Lecture 1. See documents for Assignment01Files.zip
- See archive with various documents regarding Tour testing (docsFeatureTourTesting.zip).
- See archive with various documents/videos regarding review tools (docsReviewTools.zip).