

Seminar Assignment Portfolio About Test Case Design



Assignment Objectives:

- Automatic generation of test cases. Tools
Prerequisite:

- Create a team – exactly 3 members. Add your team in the document from General->Files->PortofolioAboutTestCaseDesign_Teams_Papers.



Assignment

- **Take-Home assignment** (maximum 100XP)
 - TO DO:
 1. Search a paper about a Tool for automatic generation of test cases (black-box testing, white-box testing, unit testing, integration testing, system level testing, etc)
 - **Important remark:** Check that the paper has a Replication package or that the tool is available for use.
 - <https://ieeexplore.ieee.org/Xplore/home.jsp>
 - <https://dl.acm.org/>
 - <https://link.springer.com/>
 2. Add the title and the doi of the paper in the file General->Files->PortofolioAboutTestCaseDesignInspection_Teams_Papers. Make sure that the paper is not already selected by another team.
 3. *Summary document.* Read the paper and make a summary document of maximum 1 page (1 paragraph of the approach and the motivation of the tool, 1 paragraph about the aim of the tool and the novelty, 1 paragraph about how the tool was validated). This document must contain the title of the paper + doi + team members.
 4. *Tool analysis.* Download the tool described in the paper and use it for one project. Create a document of maximum 1 page describing the use of the tool: how easy/hard was to install it and used it, what benefits the tool offers (the results/findings with the tool). Add 3-5 screen captures of the tool in use (on your computer). This document must contain the title of the paper + doi + team members.



Assignment and Delivery date:

1. Assignment date: seminar 3
2. Delivery date (first): seminar 4 (max 100 XP)
3. Delivery date (last): seminar 5 (max 50 XP)

Turn in:



Upload on Teams the following archive (93X change with your group, Name01Name02Name03 the name of the three members):

- a. PortofolioInspection_93X_Name01Name02Name03.zip
 - i. paper selected by your group for this Inspection portofolio
 - ii. one page document with the required paragraphs - *SummaryDocument*
 - iii. one page document with the required information – *ToolAnalysis*
 - iv. 3-5 screen captures of the tool in use (on your computer).
- b. Each team member must upload the assignment.

References



- See Lecture 2 and 3, Seminar 1 and 2, Laboratory 1 and 2 – discussions and activities.