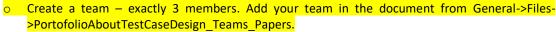
# Seminar Assignment Portfolio About Test Case Design



### **Assignment Objectives:**

Automatic generation of test cases. Tools
 Prerequisite:





### **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.
      - <a href="https://ieeexplore.ieee.org/Xplore/home.jsp">https://ieeexplore.ieee.org/Xplore/home.jsp</a>
      - 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:

References

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.



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