

SMA: Software Modeling and Analysis

Practical Session

Week 12

Assignment 12

Discussion

A12 - Exercise 01 | Code smells

- What is the fundamental problem in developers bad code smell perception?

The perception is a subjective matter. *Anaïs Nin* sums it up quite nicely: "We don't see things as they are, we see things as we are."

- What is “association rule mining” in the context of HIST?

Association rules represent correlations between subsets of methods in the same class that frequently change together. The discovery of all association rules within one or more projects is then called "association rule mining".

A12 - Exercise 01 | Code smells

- Provide a test code example that includes a test smell and explain.

```
public void testDataIsVariable() throws Throwable {  
    JSTerm term = new JSTerm();  
    term.makeVariable();  
    term.add((Object) "");  
    jSTerm0.matches(jSTerm0);  
    assertEquals(false, term.isGround());  
    assertEquals(true, term.isVariable());  
}
```

- misleads developers
- harder to fix code

A12 - Exercise 02 | Change of Roles

- Q01: [Your question.]
A01: [Your corresponding answer.]
- Q02: [Your question.]
A02: [Your corresponding answer.]
- Q03: [Your question.]
A03: [Your corresponding answer.]

Individual corrections apply. Solutions depend on your submission.

A12 - Exercise 03 | Exam Preparation

- Start preparing for the exam.
- Ask questions!

You can find the summary online at the SCG SMA webpage.

You have to attend the lecture to reveal such slides.*



**Disclaimer:*

The content that has been shown on this slide is irrelevant for the exam.