

DSOO: Workshop (PbC and DbC)

4 NOV 09

## Evaluation instructions

### Period:

- Wednesday, 4th November, 2009; 14h30 to 18h30.

### Place:

- Campus building nr. 8, rooms 3.1 and 3.2 (most probably only one of the rooms will be used)

## Rules:

1. The groups to present will be randomly selected, as well as the person presenting, although both group members must be present. While the group which number (g) was selected presents its work with PbC and Java, its complimentary (24-g) discusses its work with DbC and OCL.
2. All presentations must be submitted not later than the beginning of the evaluation period (see Moodle after Microtest 3, under "Design and Programming by Contract Workshop (upload location)")
3. Materials to be presented during the workshop will be exclusively taken (by the professors) from this upload location. No pens or removable disks will be allowed during the workshop. Therefore, those materials must be uploaded BEFORE the workshop, until the published deadline (half an hour before the workshop starts)

4. The presentations must comply with the following structure:

a. Tool #1 demo

i) Pre-conditions

ii) Post-conditions

iii) Invariants

iv) Previous instance (old)

v) Contracts exception handling (how the tool deals with broken contracts)

vi) Contracts and Inheritance (example of contract inheritance in both pre and post conditions)

b. Tool #2 demo

i) Pre-conditions

ii) Post-conditions

iii) Invariants

iv) Previous instance (old)

v) Contracts exception handling (how the tool deals with broken contracts)

vi) Contracts and Inheritance (example of contract inheritance in both pre and post conditions)

c. Tool comparison

i) Usability

ii) Performance

iii) Maintainability

iv) Completeness

5. The use of movies (recorded with camtasia, for instance) is encouraged, as an alternative to slideshows, to expedite tool demonstrations.
6. All presentations will be interrupted after 8 minutes duration, upon which 2 minutes for comments will take place.
7. While the comments session takes place, the next group must start preparations in order to be ready as soon as possible.

Criteria (graded from 0 through 4, same weight):

1. Contracts correctness

a. Pre-conditions

b. Post-conditions

c. Invariants

d. Previous instance (old)

e. Contract exception handling

f. Contracts and Inheritance



## 2. Contracts complexity

a. Pre-conditions

b. Post-conditions

c. Invariants

d. Previous instance (old)

e. Contract exception handling

f. Contracts and Inheritance

### 3. Tool comparison

a. Usability

b. Performance

c. Maintainability

d. Completeness

### 4. Presentation quality

a. Duration

b. Effectiveness

c. Appearance

d. Organization