

Distributed and Outsourced Software Engineering (DOSE 2010)

Assignment 5: Testing

(10 points of 100)

Deadline: Tuesday December 21th - 8 am (Zurich time)

Commit the files at

https://svn.origo.ethz.ch/dose2010/testing/group_n/team

where n is your group number and team is your team name.

1. Questionnaire

You should have collected the time expended in Assignment 4. Please send this information by e-mail to Martin Nordio (if possible use the excel file you got) before **Friday Dec 17th**.

Important: the time expended is collected by teams and calculated in person/hours. For example, if 3 people participated in a meeting for 2 hours, then the expended time is 6 hours.

For assignment 5, you should also collect this information:

1) How many person hours did you dedicate to Assignment 5?

a) How many person hours of Assignment 5 did you use for communication? Split the answer in two categories:

I. Communication with members of the same team (located in the same university)

II. Communication with members of other teams (located in other universities)

b) How many person hours of Assignment 5 did you use for development of the assignment result (preparing the documents, answering questions, writing documents, reading documentation, etc)?

2) From question 1.a):

a. How many hours were used for voice communication?

b. How many hours were used for other way of communication such as e-mail, forums, etc. ?

c. How many hours did you use for face-to-face meetings?

3) How long did you have to wait for a reply from the other team? Indicate best case, worst case and average in hours.

2. Task (per team)

The last part of the project will be to test each subcomponent individually. For this we recommend that you distribute the subcomponents to a different team in your group than the team that developed that subcomponent.

For the actual testing, you can write unit tests, use the AutoTest tool, perform manual testing, or use any other technique or any combination of techniques. As a result of the testing you should fix the bugs that were found (either yourself or report them to the other team), and provide us with a short test report of 1 or 2 pages containing:

- Description of test setup: what did you test and how did you test
- Overview of test results: faults found, faults fixed, nature of faults
- Your assessment of the quality of the tests performed and the tested code

Commit the report to the repository at:

https://svn.origo.ethz.ch/dose2010/testing/group_n/team