Home Exam 1DV600

Software Technology

1DV600 2016:1

Grading

Your exams will receive a grade from A to F where F is Failed. **Don't forget to submit!**

Deadline is 22:00 Sunday March 20

The grade is final, i.e., you will not get an opportunity to correct/improve after grading.

Your answers should be your own! You are not allowed to copy code, models, or texts (books articles, blogs, wikis) in your answers! Don't discuss your answers with your peers!

Each submission will pass through a plagiarism/clone detection system before correction. If plagiarism is detected, the exam is failed and a formal investigation will be initiated.

Submissions that arrive late will **not be considered!**

Questions in the myMoodle forum (not slack for this one). I will check it *morning* and *evening* so please be patient.

Each submission (PDF) contains maximum 4 A4 pages + one front page where you state
Home exam 1DV600, 2016:1
Name: [Your name]
Personal ID: [Your Civic number]
Lnu email: [lnu user name@student.lnu.se]

- **Maximum 40p**
- **Grade E - 30p**
- **Use illustrative examples in your answers when applicable!**
- **If you make assumptions. Don't forget to write them down!**
- **You may answer in Swedish or in English.**

Task 1 – Planning

a) **(5p)**
Describe how iterative and incremental planning works. Exemplify with a Work Breakdown Structure.

b) **(5p)**
Describe and exemplify two "best-practices" in planning that mitigate planning related risks! What is a risk?

Task 2 – Process models

a) **(5p)**

Compare SCRUM and Open UP. Use *roles*, *artifacts* and *activities* for your comparison.

b) **(5p)**

List and describe two problems and three advantages with an iterative process model.

Task 3 – Requirements

a) **(5p)**

Describe and exemplify how scenarios are used to capture essential information for use cases in requirements modeling.

b) **(5p)**

Explain and exemplify what FURPS+ can be used for in software requirements specification.

Task 4 - Testing

a) **(5p)**

Describe and exemplify a test case.

b) **(5p)**

Describe, exemplify and compare unit tests and integration testing, with respect to test objects and test objectives.