
Software Quality Assurance: SOFT3302

Assignment 2 – Due 5 p.m. 2 October 2007

Questions

1. [1 mark] Explain what assumptions lie at the foundation of the model presented in lectures for defect removal and costs.
2. Finding himself under time and budget constraints, a project leader has decided to introduce an ‘economy QA plan’ that limits the quality assurance activities to only a standard design review, as required by the contract with the customer (50% filter) and a comprehensive system test (60% filter). Considering the above model’s contribution to defect removal efficiency and costs:
 - a. [2 marks] What are the expected savings (if any) in resources invested in defect removal during the development process as opposed to the standard quality assurance plan?
 - b. [2 marks] What are the expected effects of the ‘economy plan’ on customer satisfaction? Support your answer with a quantitative comparison to the standard plan.
3. [2 marks] Explain the benefits of testing frameworks and what problem(s) they solve.
4. [3 marks] Compare and contrast the rôles of a tester, a test manager and a developer in the testing process. Supply more than just a definition of each position.

Marking

Marks are as indicated on each question.

Submission

You should be able to write from one-half to one page for each question.

You will need to submit your written assignment **with a signed cover sheet** in the appropriately marked assignment box in the School of IT building by the due date and time. No extensions will be granted. Late work will not be accepted for credit. One minute late is still late so don’t leave things to the last minute. (Be aware that system time may differ from machine to machine and may be different to wall-clock time. Please read the section dealing with assessment on the course page.)