TM12 Q&As

ISTQB-BCS Certified Tester Advanced Level- Test Manager (2012)

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QUESTION 1

Based on the historical data of 5 past and similar projects, you have calculated these average numbers of defects detected in system testing:

for each 10000 LOC (lines of code), 200 defects for each person-month of development team effort, 49 defects

You want to use this information to perform estimation for a new project.

The project manager tells you that he/she has estimated 20000 new LOC for this new project.

Four developers work for four months on this project before system testing.

During system testing, 797 defects are discovered.

Assume that the system test of this new project is using the same amount of work as spent in the past projects.

Based on this information only, which of the following statement is certainly true about this project?

A. The code for the new project contains a higher defect density than the code of the past projects.

B. The number of defects found during the system test phase on the new project is approximately proportional to the development team effort.

C. 40000 LOC have been delivered to system testing (against the 20000 LOC planned by the project manager).

D. More LOC than planned have been delivered to system testing with a higher defect density than the past projects.

Correct Answer: B

QUESTION 2

Consider an information system of a Pay-Tv company based on a SOA architecture. The integrated system currently consists of three core systems:

a CRM (Customer Relationship Management) system a BRM (Billing and Revenue Management) system a CAS (Conditional Access System) system

All of them communicating with SOA Middleware.

You have been asked to manage the testing activities for the integration of two additional off-the-shelf systems from two different vendors: a SMS (Short Message Service) server and an IVR (Interactive Voice Response) system.

Assume that there is a high likelihood that the two off-the-shelf systems will be low-quality and that you have a clear proof that the testing performed by the two vendors on their systems has been unsystematic and unprofessional. This obviously leads to higher quality risk for the overall integrated system.

You are the Test Manager of this project. Your main goal is to plan for testing activities to mitigate this risk.

Which of the following answers best describes the test activities (assuming it is possible to perform all of them) you should plan for?

A. You should plan for an informal and minimal acceptance test of the two off-the-shelf systems and then a single end-to-

end test of the overall integrated system.

B. You should directly plan for a single end-to-end test focused on end-to-end tests of the overall integrated system without an acceptance test of the two off-the-shelf systems.

C. You should plan for two levels: a system integration test and an end-to-end test of the overall integrated system.

D. You should plan for adequate re-testing of both the systems followed by a system integration test and an end-to-end test of the overall integrated system.

Correct Answer: D

QUESTION 3

Consider a defect report and assume that a part of its lifecycle includes the following states:

New: Is the initial state Working: Means that the developers are addressing the defect in order to produce a fix for the defect Clarification: Means that the developers need more information from the tester to address the defect and produce a fix for the defect and the tester is working to provide this information to the developers Verification: Means that a fix for the defect has been produced and the tester is running the adequate tests to verify whether the fix solves the defect Closed: is the final state

Which of the following answers represents an invalid sequence of states that can\\'t lead the bug report to the “Closed” state?

A. New, Working, Verification, Working, Clarification, Working, Verification, Closed

B. New, Working, Clarification, Working, Verification, Closed

C. New, Working, Verification, Working, Clarification, Working, Closed

D. New, Working, Verification, Closed

Correct Answer: C

QUESTION 4

You are working on a project to develop an authentication system for an e-commerce website. This system provides two features: Registration and authentication. Two different development teams develop these two features.

There is a high likelihood that the delivery of the authentication feature to the test team will be three weeks later. To complete the registration the user must provide the following registration inputs: Name, surname, birthdate, fiscal code and he/she can select a username and a password.

A registered user can be a special user or a normal user. To be identified as a special user, he/she must also provide, during the registration process, a voucher possibly received from the IT department.

Access is granted only if a user is registered and the password is correct: In all other cases access is denied. If the registered user is a special user and the password is wrong, a special warning is shown on the system console.

You are currently performing a quality risk analysis using FMEA.

Based only on the given information, which of the following is NOT a product risk that could be identified during the

quality risk analysis?

A. The late delivery of the authentication feature to the test team causes delays in the start of test execution and this could result in a shorter test period.

B. The authentication system denies access for a special user with a wrong password, but doesn\\'t display a special warning on the system console.

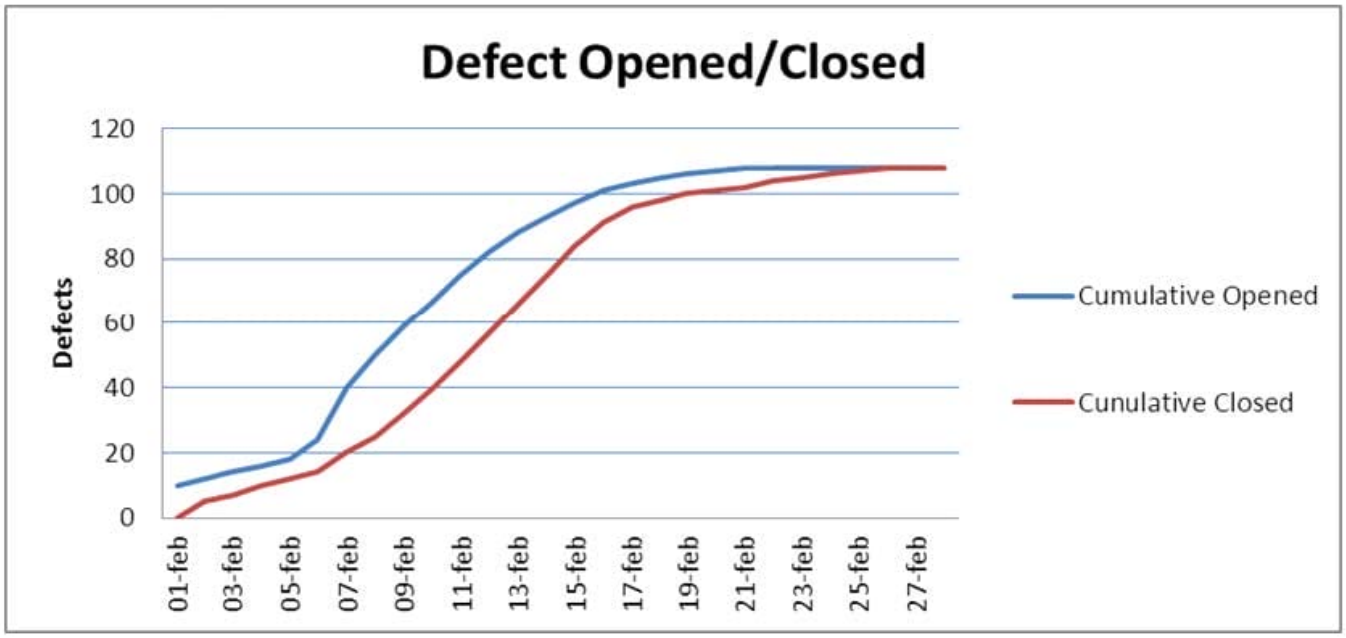
C. The authentication system grants access to a normal user with a wrong password.

D. The authentication system grants access to a special user with a wrong password.

Correct Answer: A

QUESTION 5

The following chart plots the cumulative number of defects opened against the cumulative number of defects closed during system testing of a software product.



Which of the following statements is true?

A. The chart indicates that you have plenty of problems left to find.

B. The chart can be used to reveal test progress problems.

C. The chart seems to indicate that the defect management process is not working well.

D. The chart seems to indicate that the defect management process is working well.

Correct Answer: D

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