TM12 Q&As

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

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QUESTION 1

The following are the requirements identified as "critical": REQ-SEL-001. The user shall be able to combine all the three products with all the four durations to define an item to purchase. REQ-SEL-002. The user shall be able to add a maximum of six different items to the shopping cart. REQ-PUR-001. The user shall be able to purchase all the items in the shopping cart using a credit voucher. REQ-PUR-002. The user shall be able to purchase all the items in the shopping cart using the available credit already charged on the smartcard. REQ-PUR-003. The user shall be able to purchase all the items in the shopping cart using all the accepted credit cards (Visa, MasterCard and Great Wall Card). REGLOGO-001. The user shall be able to logout (by clicking the logout button) from both the "select" and "purchase" pages going back to the "browse" page (anonymous navigation).

Moreover, the following quality risk item has been identified as "critical":

QR-P1. The web customer portal might not be able to provide the expected response time (less than 10 sec) for the purchase transactions under a load of up-to 1000 concurrent users.

Test analysis for system testing has just begun and the following test conditions have been identified:

TC-SEL-01. Test the combinations of products and durations to define an item to purchase TC-SEL-02. Test the maximum number of items, which can be added to the shopping cart TC-PUR-01. Test the purchase of an item TC-PUR-02. Test the purchase of an item with the credit charged on the smartcard

Assume that you have used traceability to determine the logical test cases that cover all the requirements and the single risk item identified in that scenario.

Which of the following is a positive logical test that is complete, is correct, and covers the REG-LOGO-001 requirement?

A. On the purchase page ("purchase state"), click the logout button; verify that the browse page ("browse state") is displayed.

B. On the select page ("select state"), click the logout button.

C. On the purchase page ("purchase state"), click the logout button; verify that the "Impossible to logout ? complete or cancel the current transaction" message is displayed.

D. On the browse page ("browse state"), click the logout button.

Correct Answer: A

QUESTION 2

Assume you have some data related to confirmation testing during system testing of a past project.

In that project 240 bug reports have been opened once, 80 were opened twice, 10 were opened three times and no bug reports have been opened more than three times.

You estimate that a bug report, which has failed its confirmation test, costs, on average, 3 person-hours. Which of the following statements correctly describe the value of these confirmatory testing activities based on cost of quality?

A. 300 person-hours have been spent on the project during the system testing phase, because of the failed confirmation tests and this cost belongs to the costs of internal failure.

B. 340 person-hours have been spent on the project during the system testing phase, because of the failed confirmation tests and this cost belongs to the costs of external failure.

C. 340 person-hours have been spent on the project during the system testing phase, because of the failed confirmation tests and this cost belongs to the costs of internal failure.

D. 300 person-hours have been spent on the project during the system testing phase, because of the failed confirmation tests and this cost belongs to the costs of detection.

Correct Answer: A

QUESTION 3

You are the Test Manager on a project following an iterative life-cycle model. The project should consist of nine iterations of one month duration each. It is planned to develop the most important features to have a stable core of the application in the first three iterations and to add the additional features in the last six iterations.

At the beginning of the first iteration, only a draft version of the requirements specification document for the core features is available. Assume that during each of the first three iterations, the chosen features are fully completed and unit tested.

Which of the following statements is true in this context?

A. The system test phase should start when all the requirements are frozen.

B. You should allocate a large effort for system testing during the first three iterations.

C. You should allocate all the effort for the system test phase only in the last iteration.

D. You should apply the same test strategy as used in a sequential life cycle model.

Correct Answer: B

QUESTION 4

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 5

In your organization the following tools of the same vendor are currently in use: a requirements management tool, a test management tool and a bug tracking tool.

You are the Test Manager.

You are currently evaluating a test automation tool of the same vendor (to complete the vendor\\'s tool suite) against an interesting open-source test automation tool under the GNU GPL (General Public License).

There are no initial costs associated to that open-source tool.

Which of the following statements associated to the selection of the open-source tool is correct in this scenario?

A. The open-source tool can be modified but only if the community of developers of that tool gives you the formal permission to modify it.

B. There are no initial costs for the open-source tool but you should carefully consider the costs associated to the integration with the existing tools and also evaluate the recurring costs.

C. There are no initial costs for the open-source tool because open-source tools are usually low-quality, while vendor tools have always a better quality than the corresponding open-source tools.

D. The open-source tool can be modified but it can\\'t be distributed further in any way.

Correct Answer: B

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