



CTAL-TM_SYLL2012^{Q&As}

ISTQB Certified Tester Advanced Level - Test Manager [Syllabus 2012]

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QUESTION 1

Assume you are the Test Manager for a new software release of an e-commerce application.

The server farm consists of six servers providing different capabilities. Each capability is provided through a set of web services.

The requirements specification document contains several SLAs

(Service Level Agreements) like the following:

SLA-001: 99.5 percent of all transactions shall have a response time less than five seconds under a load of up-to 5000 concurrent users

The main objective is to assure that all the SLAs specified in the requirements specification document will be met before system release. You decide to apply a risk-based testing strategy and an early risk analysis confirms that performance is

high risk. You can count on a well-written requirements specification and on a model of the system behavior under various load levels produced by the system architect.

Which of the following test activities would you expect to be the less important ones to achieve the test objectives in this scenario?

- A. Perform unit performance testing for each single web service
- B. Monitor the SLAs after the system has been released into the production environment
- C. Perform system performance testing, consisting of several performance testing sessions, to verify if all the SLAs have been met
- D. Perform static performance testing by reviewing the architectural model of the system under various load levels

Correct Answer: B

QUESTION 2

Consider the following skills assessment spreadsheet for your test team (consisting of four team members):

This spreadsheet has three sections: technical expertise, testing skills and professionalism.

The skill levels for each skill area for both the "technical expertise" and "testing skills" sections have been rated on a four-point scale:

-E (Expert): indicates that a person has expert knowledge and experience in the skill area

-B (Beginner): indicates that a person has some knowledge and experience in the skill area but he/she is not autonomous

-



W (Wants to learn): indicates that a person has no knowledge or experience in the skill area but he/she wants to learn that skill

-

NI (Not Interested): indicates that a person has no knowledge or experience in the skill area and he/she is not interested to learn that skill

The skill levels for each skill area of the "professionalism" section have been rated on a three point scale (H=High, M=Medium, L=Low).

Consider the following analysis of testing skills performed on four people. Alex, Robert, John and Mark (all the skills have been rated on an ascending scale. The higher the score, the better the skill):

Testing Skills	Alex	Roberta	John	Mark
Planning				
Estimation and Cost of Quality	3	2	2	5
Documentation	3	3	2	5
Quality Risk Analysis/ Management	2	3	2	5
Design/Development				
Behavioral (Black-Box)	3	5	2	2
Structural (White-Box)	3	5	3	1
Static (Reviews and Analysis)	3	4	3	2
Test Automation				
COTS Execution Tools	5	2	4	3
COTS Test Management	5	2	4	3
Test Data Generators	5	2	4	3
Execution				
Manual (Scripted and Dynamic)	3	3	4	3
Automated	3	3	4	3
Test Status Reporting and Metrics	2	4	4	3
Average Testing Skills	3,36	3,17	3,17	3,15

Which of these people, based on this analysis, would you expect to be most suitable to work specifically as test designer?

- A. Alex
- B. Roberta
- C. John
- D. Mark



Correct Answer: B

QUESTION 3

You are performing a quality risk analysis for a CSCI (Computer Software Configuration Item) used to implement a CBIT (Continuous Built-In Test) module of a safety-critical system.

During the quality risk analysis you are trying to identify the ways in which failures of the CBIT module can occur, for each of them trying to determine the potential causes and likely effects, and the risk level (calculated as the product of three

factors: severity, occurrence and detection).

Which of the following risk analysis techniques are you working with?

- A. A lightweight product risk analysis technique
- B. Failure Mode and Effect Analysis
- C. Wide Band Delphi
- D. Cost of Exposure

Correct Answer: B

QUESTION 4

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?

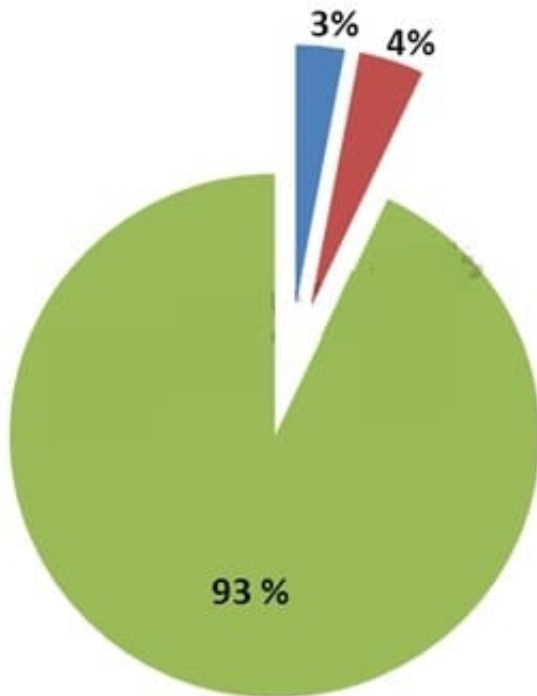
- A. New, Working, Verification, Working, Clarification, Working, Verification, Closed
- B. New, Working, Clarification, Working, Verification, Closed
- C. New, Working, Verification, Working, Clarification, Working, Closed
- D. New, Working, Verification, Closed

Correct Answer: C

QUESTION 5



After the presentation, you are asked to explain the chart. Assume you have applied a full risk-based testing strategy.



Which of the following answers would you expect to best describe the pie chart?

- A. All the risk items have been covered with tests. No more risk items remain to test
- B. According to the full risk-based testing strategy applied, it is very likely that the highest-risk items, tests and bugs remain in the blue and red areas. Therefore, it is very risky to release the application
- C. Only the lowest-risk items, tests and bugs should remain in the blue and red areas. Therefore the application can be released at any time subject to management of the items identified in those areas
- D. 97 percent of the risk items has been tested. No open bugs or test failures remain. Only 3 percent of risk items remains to be covered by the remaining test

Correct Answer: C

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