

ISTQB-CTAL-TA Study Guides - ISTQB-CTAL-TA Test Quiz



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ISTQB-CTAL-TA certification exam is based on the ISTQB Advanced Level Test Analyst Syllabus 2012, which covers a range of topics related to software testing. These topics include test analysis, test design, test implementation, test management, and reviews. ISTQB-CTAL-TA Exam consists of multiple-choice questions and lasts for three hours. To be eligible for the exam, candidates must have a Foundation Level certification and at least three years of experience in software testing.

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ISTQB-CTAL-TA Test Quiz & Dumps ISTQB-CTAL-TA Guide

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ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) certification exam is designed to test the skills and knowledge of experienced software testers in the field of test analysis. (ISTQB CTAL-TA) ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) certification is offered by the International Software Testing Qualifications Board (ISTQB) and is recognized globally as a standard for advanced-level software testing professionals.

To prepare for the ISTQB-CTAL-TA Exam, candidates are advised to study the official ISTQB syllabus, which covers all the topics that will be tested on the exam. In addition, there are many training courses and study materials available that can help candidates prepare for the exam. It is also recommended that candidates gain practical experience in test analysis by working on real-world projects and collaborating with other experienced testers.

ISTQB (ISTQB CTAL-TA) ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus 2012) Sample Questions (Q71-Q76):

NEW QUESTION # 71

Consider the following scenario for a metro fare system:

If you take the metro before 9:30 am or in the afternoon between 5:00 pm until 7:00 pm, you must pay full fare. A saver ticket is available for metro rides between 9:30 am and 5:00 pm [both inclusive], and after 7:00 pm.

Which of the following test sets will provide the best equivalence partitioning coverage?

- A. 9:30 am, 9:31 am, 4:59 pm, 5:00 pm, 8:00 pm
- B. 9:30 am, 4:00 pm, 6:00 pm, 8:00 pm, 8:30 pm
- C. 9:29 am, 5:01 pm, 7:30 pm, 7:31 pm, 8:00 pm
- D. 8:00 am, 10:00 am, 5:15 pm, 7:01 pm, 11:00 pm

Answer: A

Explanation:

The test set D provides the best equivalence partitioning coverage, as it tests on single boundary value fully for each partition. Equivalence partitioning is a technique that divides the input domain into subdomains that are expected to behave similarly. The partitions for this scenario are:

- * Before 9:30 am (full fare)
- * Between 9:30 am and 5:00 pm (saver ticket)
- * Between 5:00 pm and 7:00 pm (full fare)
- * After 7:00 pm (saver ticket)

The test set D tests the boundary values of each partition (9:30 am, 5:00 pm, and 7:00 pm) and one value inside each partition (9:31 am, 4:59 pm, and 8:00 pm). Verified References: [ISTQB Certified Tester Advanced Level Test Analyst CTAL-TA], Section 3.2.1, page 33.

NEW QUESTION # 72

A web-based system is being developed to support the administration of tennis tournaments.

The system provides advice on how much money to offer each player as their individual attendance fee. The amount depends on a combination of the following factors:

- * Overall attendance fund (divided into five numeric ranges)
 - * Player's current world ranking (divided into ten numeric ranges)
 - * Whether it is a local tournament for the player (YES or NO)
 - * Their relationship with the tournament sponsors (clothing, equipment, or endorsement)
 - * Their previous attendance history at this event (finalist, played, withdrew before event, or withdrew during event)
- The new system needs to be ready for the next tournament in just a few months' time, so testing schedules will be severely challenged.

Which specification-based technique would be the BEST choice in the circumstances?

SELECT ONE OPTION:

- A. State Transition testing
- B. Pairwise testing
- C. Equivalence partitioning
- D. Use case testing

Answer: B

Explanation:

Comprehensive and Detailed In-Depth Explanation:

- * A (Use case testing): Not suitable as it focuses on user interactions rather than combinations of input values.
 - * B (State Transition testing): Irrelevant since the focus is not on state changes.
 - * C (Equivalence partitioning): Good for partitioning input values but not efficient for combinations.
 - * D (Pairwise testing): Correct. This technique is highly efficient for covering combinations of multiple variables with fewer test cases, which is crucial when the schedule is tight.
- Therefore, the correct answer is D (Pairwise testing).

NEW QUESTION # 73

A new web site must operate correctly with different browsers (Internet Explorer, Google Chrome, Firefox, Opera, Safari), using different plug-ins (Realplayer, Mediaplayer), will be receiving pages from different servers (IIS, Apache and WebLogic) and will be running on various operating systems (Windows, Android, iOS and Linux).

Which of the following test techniques should you use to define the required test cases for testing this new web site in its various environments?

- A. Exploratory testing
- B. Decision table testing
- **C. Pairwise testing**
- D. Use case testing

Answer: C

Explanation:

The test technique that should be used to define the required test cases for testing this new web site in its various environments is pairwise testing. Pairwise testing is a technique that tests all possible pairs of inputs for a given scenario using a mathematical algorithm to reduce the number of combinations. This technique is suitable for testing a system that has many input variables with different values or options, such as browsers, plug-ins, servers, and operating systems. Verified References: [ISTQB Certified Tester Advanced Level Test Analyst CTAL-TA], Section 3.5.2, page 42.

NEW QUESTION # 74

Supercar.

Supercar is an online vehicle sales website specializing in a single manufacturer's Sports Utility Vehicles (SUVs) and saloons. A vehicle has two key elements, power unit and body style. The manufacturer offers three choices of power unit: petrol, electric and hybrid. There are 3 main body styles: Saloon, Hatchback and SUV.

SUVs are available only as petrol and electric options. Hybrid is available for Hatchback only. The website will allow an order to be processed if the chosen vehicle configuration is in stock, otherwise a message will be displayed asking the user to try again later.

Based on the specification, the following classification tree has been developed:

Which test case is needed to complete the test set and achieve minimum class coverage?

- A. Power Unit: Petrol Body Style: Saloon
- **B. Power Unit: Hybrid Body Style: Hatchback**
- C. Power Unit: Hybrid Body Style: Saloon
- D. Power Unit: Electric Body Style: Hatchback

Answer: B

Explanation:

The test case D is needed to complete the test set and achieve minimum class coverage, based on the classification tree. A classification tree is a technique that shows the combinations of inputs and outputs for a given scenario using a graphical representation of classes and subclasses. Minimum class coverage is achieved when at least one representative of each class is tested. The classes for this scenario are:

* Power Unit: Petrol, Electric, Hybrid

* Body Style: Saloon, Hatchback, SUV

The test case D covers the class Power Unit Hybrid and the class Body Style Hatchback, which are not covered by any other test case. Verified References: [ISTQB Certified Tester Advanced Level Test Analyst CTAL-TA], Section 3.5.1, page 41.

NEW QUESTION # 75

Which of the following testing objectives would NOT be in focus for the Test Analyst during installability testing?

- **A. Testing whether a given application can function correctly in all intended target environments.**
- B. Testing that different configurations of the software can be successfully installed
- C. Testing the functional correctness of installation and de-installation procedures.
- D. Identifying usability issues in installation and de-installation procedures

Answer: A

Explanation:

The testing objective that would not be in focus for the Test Analyst during installability testing is testing whether a given application can function correctly in all intended target environments. This objective belongs to portability testing, which is a test type that evaluates the degree to which a system or component can be transferred effectively and efficiently from one hardware, software, or other operational or usage environment to another. Installability testing is a test type that evaluates how easily a system or component can be installed and/or uninstalled. Verified References: [ISTQB Certified Tester Advanced Level Test Analyst CTAL-TA], Section 5.4.1, page 69.

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