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CTAL-TA

ISTQB Certified Tester Advanced Level - Test Analyst (Syllabus-2012)

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Scenario "Banking Project"
As a test analyst in the banking domain you have received the following requirement:
"The system shall allow cash advances of at least 200 Euros for all supported credit cards. The correct list of credit cards is American Express, Diners, VISA, Mastercard and Eurocard. For the ATM banking project introduced earlier; "When the user first inserts a valid credit card type, the system considers the user to be in an unauthenticated state. When requesting a cash advance, the user must be in an authenticated state. The user authenticates by entering the proper PIN code. When authenticating the user, the system shall allow the user to enter their PIN code up to three times before failing the authentication and rejecting the card. On the first and second try, the system shall prompt the user to re-enter the PIN code." Suppose you are concerned that, depending on the exact number of invalid PIN codes entered, the system might behave improperly. Which of the following test design techniques is specifically targeted at such failures?

A. Equivalence Partitioning extended by boundary value analysis
B. Pairwise Testing with orthogonal arrays
C. State Transition Testing using 1-switch coverage
D. Classification Tree Method

Answer: C

QUESTION: 61
For the project three completion criteria have been defined.
A) Test cases passed more than 70%
B) Number of outstanding defects less than 5
C) Number of defects per test case less than 0,5
The first week of the testing has shown the following results:

Date	DefectsFound	Defects Fixed	Tests Run	Test Passed
Monday	3	0	10	5
Tuesday	4	2	3	3
Wednesday	2	2	20	15
Thursday	5	3	5	0
Friday	7	1	5	1

Evaluate the status of the project at the end of the week against the defined completion criteria. Which of the following options shows the correct status? s

A. Criteria A = OK, criteria B = OK, criteria C = OK
B. Criteria A = NOT OK, criteria B = NOT OK, criteria C = OK
C. Criteria A = OK, criteria B = NOT OK, criteria C = NOT OK
D. Criteria A = NOT OK, criteria B = NOT OK, criteria C = NOT OK

Answer: B

QUESTION: 62
Which of the following is a typical defect that state-based testing would identify?

A. Improper handling of sequences of events
B. Improper handling of combinations of conditions
C. Improper handling of configuration combinations
D. Improper handling of classes of inputs

Answer: A

QUESTION: 63
Based on the classification tree the following positive test cases have been created:

Test case	Power Unit	Body Style
1	Petrol	SUV
2	Diesel	Saloon
3	Petrol	Hatchback

Which test case is needed to complete the set? s

A)

Power Unit	Body Syle
Hybrid	Saloon

B)

Power Unit	Body Syle
Diesel	Hatchback

C)

Power Unit	Body Syle
Petrol	Saloon

D)

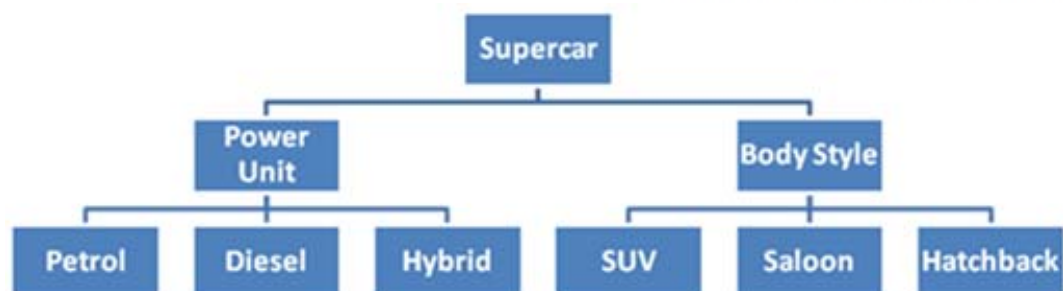| Power Unit	Body Syle
Hybrid	Hatchback

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

QUESTION: 64
Study the above classification tree,
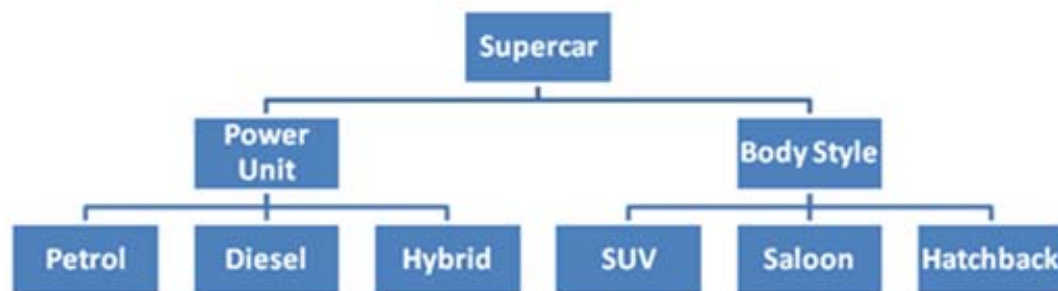
which of the following statements is correct?

A. The classification tree is correct and complete
B. The options for "in stock" are missing
C. Order information is missing
D. The error message is missing

Answer: B

QUESTION: 65
Scenario "Supercar"
Supercar is an online vehicle sales website specialising 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, diesel and hybrid. There are 3 main body styles: Saloon, Hatchback and SUV. SUVs only come as petrol and diesel options. Hybrid is available for Hatchback only. The site will allow an order to be processed if at least one of the chosen vehicle configuration is in stock, otherwise a message will be displayed asking the user to try again later.

As a tester you are asked to review the "Supercar" specification before starting to design the corresponding test cases. Which comment would you make? s

A. I have no comments, specification looks ok
B. Boundaries for stock levels are not clearly defined
C. Dependencies power unit and body styles are not clearly defined
D. It is not clear which message will be displayed when "out of stock"

Answer: D

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