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Question 1

Question Type: MultipleChoice

Ken, an entrepreneur in Leeds finds the quality of the tea locally available so low, that he decides to research superior teas around the world. He decides to market, sell and distribute these superior teas via the web. His market strategy is to offer superior products on a well-designed website with graphics that are fast to load, has high availability, superior usability and fast response times.

The website will offer the following:

-An innovative interactive catalogue of teas, which not only enables customers to buy the product, but also enables them to provide feedback by rating the teas (which will influence his stock purchasing levels)

Provide the customer with the ability to use secure credit card transactions

Provide the customer to give general feedback

Ken selects an iterative model for the development of the prototypes. The team consists of three developers that are experienced in web development. Ken, although he doesn't have technical skillset, is concerned with quality. He doesn't believe a lot of documentation is necessary and he wants the website to be completed quickly.

The test basis contains the following:

-Story boards that show the information flow and page links through the site

-HTML pages developed to date.

-A statement of non-functional requirements.

With the strategy taking shape, Ken asks your advice on the specific testing techniques that should be used to complete the required testing, bearing in mind the nature of the application and the nature of Ken's overall objectives.

We now make the assumption that in the scenario described as above, exploratory testing was selected as being the main test technique. You have now been given the task of specifying, executing and recording the exploratory test sessions.

Select TWO of the options below to define what you will typically use for specifying, executing and recording the sessions?

[K3] 2 credits

Options:

- A- Record the results in email and send the email to the test manager.
- B- Use external testers on the team to provide a new approach and fresh view to the testing effort.
- C- Create test charters for planned test session.
- D- Use debriefing sessions with stakeholders and other testers to discuss the findings and new risks identified.
- E- Define concrete test cases to be executed by the developers.

Answer:

C, D

Question 2

Question Type: MultipleChoice

In an organization using keyword-driven automation, which of the following activities typically is the responsibility of the test analyst?

[K2] 1 credit

Options:

- A- Write the code to automate the key processes
- B- Work with the users to define the key usability aspects of the software
- C- Identify the key business processes that must be tested
- D- Write manual tests for the key business processes that can then be automated

Answer:

C

Question 3

Question Type: MultipleChoice

To enhance both the effectiveness and efficiency of the test design phase the purchase of a test design tool is being considered. Which one of the statements hereafter best characterizes a test design tool?

[K2] 1 credit

Options:

- A- It validates models of the software
- B- It enables tests to be executed automatically
- C- It enables individual tests to be traced to requirements
- D- It generates test inputs or executable tests from requirements

Answer:

D

Question 4

Question Type: MultipleChoice

A new banking system has 2 customers' types, 2 account types and will operate in two different countries?

How many test cases will be needed using the pair wise testing technique and the appropriate 2-wise orthogonal array?

[K3] 3 credits

Options:

A- 2

B- 4

C- 5

D- 8

Answer:

B

Question 5

Question Type: MultipleChoice

Tax system

A tax system needs to be updated due to new legislation. For a person with a salary of less than 20.000 and who is married, the tax needs to be re-calculated. If the person also has more than two and less than five children, an additional 10% reduction is applicable.

How many input classes can be distinguished when applying equivalence partitioning to the "Tax System" specification?

[K3] 2 credits

Options:

A- 5

B- 6

C- 7

D- 8

Answer:

B

Question 6

Question Type: MultipleChoice

The use case will be used as a basis for the design of usability test scenario's. As a tester you are asked to review the ATM use case from the perspective of usability testing.

As a tester you are asked to review the ATM use case provided below. The use case will be used as a basis for functionality testing to be performed later.

System:	XYZ Bank ATM
Goal of test	The goal of this use case is to test the withdrawal of cash from the ATM
Description	Context: This is core functionality, so this is an important test of a frequent usage function
	Actors: Any user may use this function
Preconditions	The ATM is on and functional The user has a current debit card
Description of use case flow	ATM start screen is showing <ol style="list-style-type: none"> 1. the user inserts card 2. the user types in PIN 3. the user selects "cash with receipt" 4. the user selects £50 5. the user selects "no further service"
Expected results	The ATM returns the card, delivers £50 and a receipt, clears the screen and displays the start screen
Failure conditions	On screen instructions not clearly displayed On screen instructions not simple to follow Card not returned (see functional tests)
Additional attention points	Note response times

Which one of the comments, described hereafter, would be the MOST important one you would make?

[K3] 2 credits

Options:

- A- Acceptance criteria not defined
- B- Business priority is missing
- C- Post condition not defined
- D- Alternative flows are missing

Answer:

D

Question 7

Question Type: MultipleChoice

Which of the following criteria on test progress would enable the business to determine a likely 'go live' date?

- (i) Number of tests planned versus number of tests executed

- (ii) Number of high priority defects outstanding
- (iii) The test team's timesheets in order to show how much effort has been devoted to testing
- (iv) Number of tests passed and number failed
- (v) Number of defects found in each development area
- (vi) The rate at which defects are being found

[K2] 1 credit

Options:

- A-** (ii), (iii), (iv)
- B-** (i), (iii), (v)
- C-** (i), (ii), (vi)
- D-** (iv), (v), (vi)

Answer:

C

Question 8

Question Type: MultipleChoice

A company wants to develop a web site to implement an on-line sales channel. The company has decided to do some usability testing, but resources are limited. The usability testing has therefore to be done as efficient as possible. Which THREE techniques would you recommend?

[K4] 3 credits, 2 out of 3 correct 1 credit

Options:

- A- SUMI
- B- Usability laboratory
- C- Use case testing
- D- Heuristic evaluation
- E- Equivalence partitioning
- F- Pairwise testing
- G- Exploratory testing

Answer:

A, C, D

Question 9

Question Type: MultipleChoice

Using the "Tax System" specification scenario as described above, using boundary value analysis, which would be the most interesting test set to explicitly test one single boundary value as defined in the "Tax System" specification?

<i>Test set (i)</i>		
Civil Status	Salary	Number of Children
<i>Married</i>	<i>€ 20.000</i>	<i>4</i>
<i>Not Married</i>	<i>€ 22.000</i>	<i>3</i>
<i>Married</i>	<i>€ 18.000</i>	<i>2</i>
<i>Test set (ii)</i>		
Civil Status	Salary	Number of Children
<i>Not Married</i>	<i>€ 19.000</i>	<i>8</i>
<i>Not Married</i>	<i>€ 20.000</i>	<i>6</i>
<i>Married</i>	<i>€ 50.000</i>	<i>4</i>
<i>Test set (iii)</i>		
Civil Status	Salary	Number of Children
<i>Married</i>	<i>€ 20.000</i>	<i>10</i>
<i>Not Married</i>	<i>€ 22.000</i>	<i>5</i>
<i>Not Married</i>	<i>€ 20.001</i>	<i>0</i>
<i>Test set (iv)</i>		
Civil Status	Salary	Number of Children
<i>Not Married</i>	<i>€ 22.000</i>	<i>1</i>
<i>Not Married</i>	<i>€ 18.000</i>	<i>2</i>
<i>Married</i>	<i>€ 18.000</i>	<i>3</i>

[K3] 3 credits

Options:

A- (i)

B- (ii)

C- (iii)

D- (iv)

Answer:

D

Question 10

Question Type: MultipleChoice

A temperature unit holds the temperature between 10 degrees Celcius and --10 degrees Celcius. If the temperature drops below --10 or rises above 10 then an alarm rings. Boundary Value Analysis tests are drawn up using the approach of two test cases per boundary.

The temperatures to be tested are:

[K3] 2 credits

Options:

A- 11, 10, -11, -10

B- 11, 10, 9, -11, -10, -9

C- 11, 9, -9, -11

D- 10, 9, -9, -10

Answer:

A

Question 11

Question Type: MultipleChoice

Ken, an entrepreneur in Leeds finds the quality of the tea locally available so low, that he decides to research superior teas around the world. He decides to market, sell and distribute these superior teas via the web. His market strategy is to offer superior products on a well-designed website with graphics that are fast to load, has high availability, superior usability and fast response times.

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Which TWO of the following items may more frequently need to be explained in greater detail for non-functional defect reports than for a functional defect report?

[K2] 1 credit

Options:

- A- Expected results
- B- Steps to reproduce the defect
- C- Test data used to identify the fault
- D- Level of load on the system at the time of failure
- E- Actual results

Answer:

A, D

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