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QUESTION 1

In delimiting system and system context, a differentiation is made between the system boundary and the context boundary. This differentiation is important in order to understand which aspects impact on the requirements of the system to be developed and which do not. Choose the two correct statements. (2 Points)

- A. The context boundary separates the system from the system context.
- B. The system boundary and the context boundary define the system context.
- C. The system context includes all aspects that are not relevant to the requirements of the planned system.
- D. Only the aspects within the system boundary must be taken into account in order to determine the requirements of the system to be developed.
- E. The selection of the system boundary establishes which aspects are covered by the system to be developed and which lie beyond its scope.

Correct Answer: AB

QUESTION 2

You are assigned to carry out and document a system and context delimitation for a software system that is to be developed. What diagram is least suited for the representation of the delimitation? (1 Point)

- A. Class diagram
- B. Use case diagram
- C. Statediagram
- D. Context diagram with data flows

Correct Answer: C

QUESTION 3

Starting from an informal and unstructured description of the facts, semiformal description techniques attempt to take a step in the direction of formality, for example to prevent misunderstandings. One of the semiformal description techniques is the sentence-template.

What is the most precise definition of a sentence-template as used for requirements? (1 Point)

- A. A sentence-template is a blueprint for a requirement.
- B. A sentence-template is a blueprint for the semantic filling of the individual requirement elements.
- C. A sentence-template is a blueprint for the syntax and semantics of a requirement.

D. A sentence-template is a blueprint for the syntactical structure of an individual requirement.

Correct Answer: D

QUESTION 4

Assess the following statements about the natural language documentation of requirements in terms of being applicable or not applicable. (2 Points)

Applies	Does not apply	
A	B	Natural language requirements cannot be misunderstood.
C	D	Natural language requirements are mainly suitable for the behavioral perspective.
E	F	Natural language requirements must be formulated in accordance with a template.
G	H	Natural language is not a suitable means of expression for quality requirements.
I	J	Natural language requirements are not a suitable means of communication for software architects and programmers.

A. A

B. B

C. C

D. D

E. E

F. F

G. G

H. H

I. I

J. J

Correct Answer: BDFHJ

QUESTION 5

As part of the "UniKasso" project, the "CRETIL" company is standardising the payment methods for all customers. The requirements specification has been created and the first release is currently being implemented. This week, the management has decided to include the implementation of the "credit card" mode of payment in the first release and to shift the "direct debit" mode of payment to the second release. The test manager receives the order to adjust the test

planning accordingly. Which particular characteristic of the requirements will facilitate the work of the test manager significantly in this respect? (1 Point)

- A. Coherence
- B. Testability
- C. Flexibility
- D. Stability
- E. Traceability

Correct Answer: E

QUESTION 6

Which definition best characterizes the term "traceability" in terms of requirements engineering? (2 Points)

- A. Traceability of the effort for the elicitation of requirements, beginning with the elicitation of the documentation right to the point of requirements acceptance
- B. Monitoring of progress in requirements elicitation
- C. Ability to analyze requirements for contradictory content, especially between the requirements specifications and the test cases
- D. Traceability of the requirements, along with the associated documents, from the requirements elicitation to the implementation
- E. Level of stabilisation between the elicited and approved requirements

Correct Answer: D

QUESTION 7

Requirements must be checked in terms of content, documentation and agreement. Indicate with regard to this whether each statement is true or false. (2 Points)

True	False	
A	B	Inspection is a checking technique that is very informal but which is therefore also very efficient.
C	D	Field observation is the most frequently used checking technique.
E	F	No more than one tester should ever be used for checking, as this may invite conflicts that hinder the project execution.
G	H	Subject matter conflicts must be resolved before checking, since these conflicts are not recognized in checking.

A. A

B. B

C. C

D. D

E. E

F. F

G. G

H. H

Correct Answer: BDFH

QUESTION 8

You carry out modelling of requirements with a use case diagram. Which answer best describes its prospective modelling elements?

(1 Point)

A. Objects, activities and associations

B. Actors, messages and activities

C. Objects, use cases and activities

D. Actors, use cases and associations

Correct Answer: D

QUESTION 9

You are to create a requirements specification for an internet banking software. The system shall perform bank credit transfers and therefore receives from the user, among other information, the bank identification code and the name of the bank. Now things have changed so that only the bank identification code must be entered by the user and the bank name is no longer required. On which part of your documentation do you most likely have to work in order to incorporate this change? (2 Points)

A. Nowhere, since this is a detail for the architecture.

B. In the chapter in which the states of the system are described.

C. As a change in the goals has been communicated, the goals in the specification must be updated.

D. If it is about inputs and outputs of the system, this change has to be worked into the context diagram.

E. You have to adjust the class model and/or the data model, which describe the structure of the system's input and output data.

Correct Answer: CD

QUESTION 10

You would like to design a requirements document in such a way that it is particularly well suited to the project participants who are to continue working with it. Please select from the following statements the two most appropriate assignments of requirement properties to participants. (1 Point)

- A. For the tester the requirements must be practicable.
- B. For the developers the requirements must be easily changeable.
- C. For all participants the requirements must be consistent.
- D. For the project manager the requirements must be evaluated.
- E. For maintenance the requirements must be testable.

Correct Answer: CD

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