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QUESTION 1

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 2

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

QUESTION 3

Your company works intensively with models in requirements engineering and uses UML for the description of models. Which three capabilities should a modeling tool possess in order to be able to create traceable models in the requirements engineering? (3 Points)

A. The model elements can be stored under version control

B. The models are checked for conformity with the UML definition

C. The model is exported in the XML format

D. Every model element must possess an ID

E. Model elements can be linked via hyperlinks

F. The modeling tool creates reports suitable for management

Correct Answer: ADE

QUESTION 4

You model invoices and invoice items with a UML class diagram. The total amount of an invoice is calculated by summing up all individual invoice items. This means that an invoice showing 5 article prices contains 5 invoice items. What model element most accurately describes the relationship between invoice and invoice items? (1 Point)

A. Composition

B. Aggregation

C. Generalisation

D. Association

Correct Answer: A

QUESTION 5

Your company uses only text processing as a tool in requirements management. Which two essential tasks for requirements management are least supported by this tool? (1 Point)

A. Version management of individual requirements

B. Generation of result documents

C. Requirements tracing

D. Creation of graphic models

E. Documentation of requirements and goals

Correct Answer: CD

QUESTION 6

In a meeting held with the goal of validating a set of requirements, two participants become involved in an in-depth discussion about the content of a requirement. One of the participants is of the opinion that the requirement must be realized as described, since the success of the product is otherwise jeopardized. The other party dissents and argues that this requirement cannot be realized technically as described. What is the best way for you to react to this situation? (1 Point)

A. You note both arguments and let the project manager make the decision.

B. You invite all stakeholders to a workshop and try to reach agreement.

C. You prefer the second opinion since you believe that the discussion makes no sense if the requirement cannot berealized.

D. You get together with the affected stakeholders and attempt to reach an agreement on this.

Correct Answer: D

QUESTION 7

In requirements engineering, the use of model-based documentation is very helpful. Behaviour, functions and the structures of the entity being considered can be represented with diagrams. Which two of the following diagrams help to represent the structural perspective of the requirements model? (1 Point)

A. Entity-relationship diagram

B. State diagram

C. Deployment diagram

D. Class diagram

E. Data diagram

Correct Answer: AD

QUESTION 8

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 9

A requirement specification includes a description of the properties of the requirement. Which of the properties listed below can be used as requirement attributes and which cannot? Please indicate true or false. (2 Points)
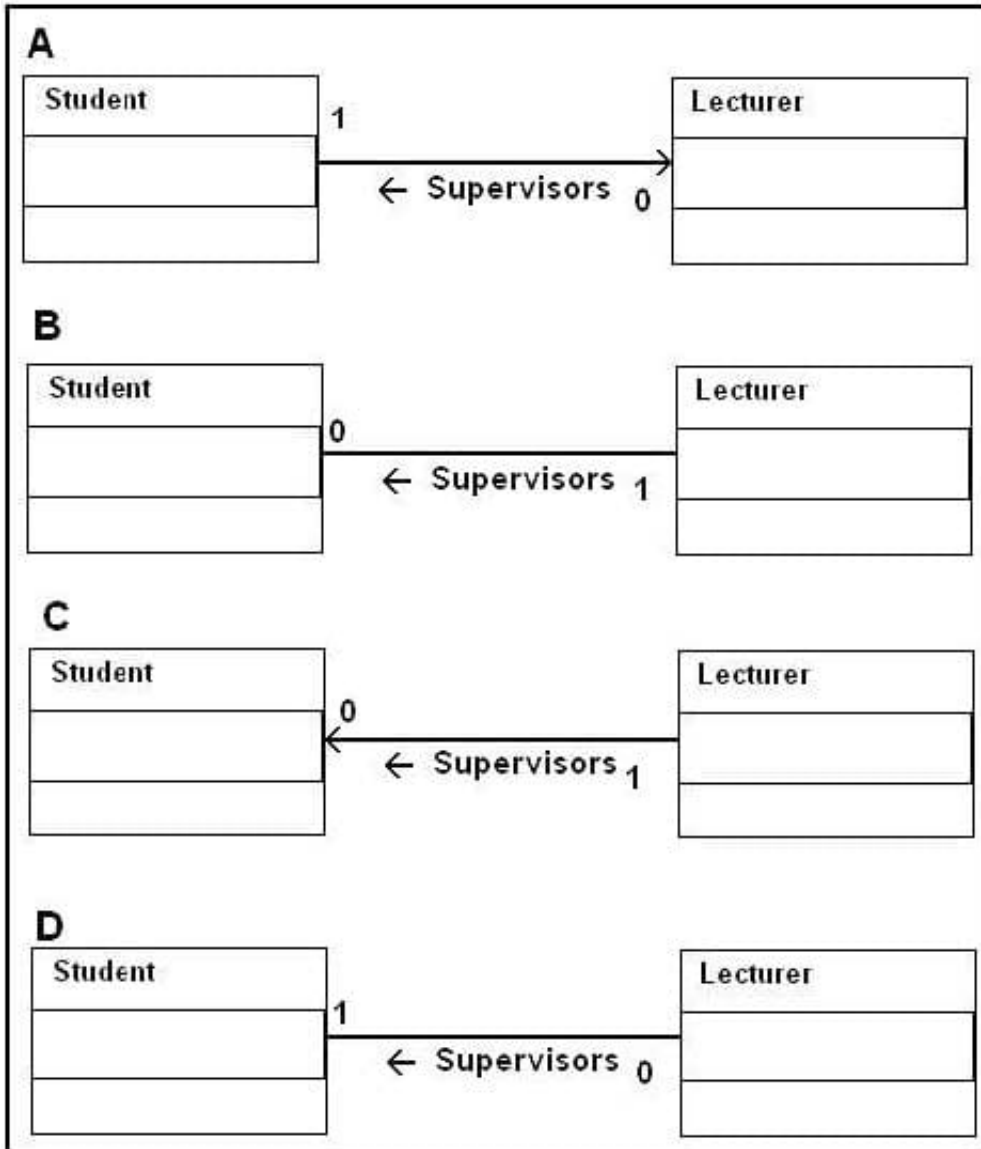
True	False	
A	B	Importance of the requirement
C	D	Criticality of the requirement
E	F	Responsibility for the implementation of the requirement
G	H	The release in which the requirement will be productively implemented for the first time
I	J	How legally binding the requirement is

A. A, C, E, G, I

Correct Answer: A

QUESTION 10

At a technical college, each student is supervised by a lecturer. Some lecturers supervise several students, some none.

Which of the following class diagrams best shows this student-lecturer relationship? (2 Points)

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B