

# 1. Introduction and Overview of Requirements Engineering

1. Which of the following statements on quality requirements are true and which are false? K0111  
2 Points  
v3.0.0  
EO 1.1.1

True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) Quality requirements refer to the process of creating software and not to the product.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) Quality requirements can complement <i>functional</i> requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) Quality requirements are elicited after the <i>functional</i> requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) Quality requirements can be substantiated with additional <i>functional</i> requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. Which of the following tasks is NOT a core task of the Requirements Engineer? (1 answer) A0120  
1 Point  
v3.3.0  
EO 1.4.1

<input type="checkbox"/>	A) Eliciting requirements	<input type="checkbox"/>
<input type="checkbox"/>	B) Formalizing requirements	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) Documenting requirements	<input type="checkbox"/>
<input type="checkbox"/>	D) Validating requirements	<input type="checkbox"/>

3. Amongst other things, the customer demands the following from the contractor responsible for delivering an information system:

P0113  
1 Point  
v3.0.0  
EO 1.3.2

*A) The contractor shall process a change request within five days.*

*B) The test reports from the integration test must be disclosed for examination and the test report from the system test must be handed over.*

*C) At any time, the system shall enable a throughput of 100 transactions per second.*

*D) The Subversion tool must be used for configuration management.*

*E) Under normal load, the response time must be no more than two seconds in 90 percent of the cases.*

Which two requirements refer to the system to be realized? (2 answers)

<input type="checkbox"/>	A) Requirement A	<input type="checkbox"/>
<input type="checkbox"/>	B) Requirement B	<input type="checkbox"/>
<input type="checkbox"/>	C) Requirement C	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) Requirement D	<input type="checkbox"/>
<input type="checkbox"/>	E) Requirement E	<input checked="" type="checkbox"/>

## 2. Fundamental Principles of Requirements Engineering

4. Which of the following statements does NOT represent a fundamental principle of Requirements Engineering? (1 answer) A3205  
1 Point  
v3.0.0  
EO 2.1.1

<input type="checkbox"/>	A) Value orientation	<input type="checkbox"/>
<input type="checkbox"/>	B) Problem - requirement - solution	<input type="checkbox"/>
<input type="checkbox"/>	C) Regular retrospectives	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) Systematic and disciplined work	<input type="checkbox"/>

5. Shared understanding is a principle of Requirements Engineering. For each of the following statements about shared understanding decide, whether it is true or false. K3206  
2 Points  
v3.3.0  
EO 2.2.1

True	False		
<input type="checkbox"/>	<input type="checkbox"/>	A) Achieving explicit shared understanding is one of the main goals of Requirements Engineering.	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) Without shared understanding, it is impossible to identify the relevant requirement sources.	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) Some degree of implicit shared understanding is crucial because it is impossible to specify everything explicitly.	<input checked="" type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) Requirements Engineering in agile development does not work without relying on implicit shared understanding.	<input checked="" type="checkbox"/> <input type="checkbox"/>

6. When defining the system boundary and the context boundary, which aspects need to be considered and which do not need to be considered? K0202  
2 Points  
v3.3.0  
EO 2.2.2

Needs to be considered	Does not need to be considered			
<input type="checkbox"/>	<input type="checkbox"/>	A) The system	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) The system context	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) The application domain	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) The interfaces between system and system context	<input checked="" type="checkbox"/>	<input type="checkbox"/>

7. During the Requirements Engineering process for an online database application, you find out that data protection regulations do not apply, as the data processed by the system is anonymized. A0207  
1 Point  
v3.3.0  
EO 2.2.2
- What will be influenced by this finding? (1 answer)

<input type="checkbox"/>	A) System boundary	<input type="checkbox"/>
<input type="checkbox"/>	B) Context boundary	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) System interfaces	<input type="checkbox"/>
<input type="checkbox"/>	D) Application boundary	<input type="checkbox"/>

### 3. Work Products and Documentation Practices

8. Which of the following statements regarding work products is NOT correct? (1 answer) A3310  
1 Point  
v3.3.0  
EO 3.1.1

<input type="checkbox"/>	A) Any recorded information that is created during Requirements Engineering is a work product.	<input type="checkbox"/>
<input type="checkbox"/>	B) Recorded artifacts that describe gathered information as an intermediate or final result are work products.	<input type="checkbox"/>
<input type="checkbox"/>	C) User stories, activity diagrams, use cases and prototypes are work products.	<input type="checkbox"/>
<input type="checkbox"/>	D) Only final requirements documents that describe a fixed set of requirements are work products.	<input checked="" type="checkbox"/>

9. Which of the following concepts CANNOT be found in UML class diagrams? (1 answer) A3311  
1 Point  
v3.2.0  
EO 3.4.6

<input type="checkbox"/>	A) Associations	<input type="checkbox"/>
<input type="checkbox"/>	B) States	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) Multiplicities	<input type="checkbox"/>
<input type="checkbox"/>	D) Attributes	<input type="checkbox"/>

10. You want to design a requirements document in such a way that it is particularly well suited for the people who will work with the document in further phases of the development process. P0416  
2 Points  
v3.1.0  
EO 3.8.2
- From the following sentences, choose the two best combinations of the role and its criteria for the requirements. (2 answers)

<input type="checkbox"/>	A) For the testers, it must be possible to realize the requirements.	<input type="checkbox"/>
<input type="checkbox"/>	B) For the developers, it must be possible to change the requirements easily.	<input type="checkbox"/>
<input type="checkbox"/>	C) For all people involved, the requirements in a work product have to be consistent.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) For the project manager, the requirements have to be necessary.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	E) For the maintenance staff, it must be possible to prioritize the requirements.	<input type="checkbox"/>

11. A company wants to support its process of tender preparation with an information system. You are the Requirements Engineer responsible in this project. During initial discussions with different representatives, you discover, among other aspects, the following: P0417  
2 Points  
v3.3.0  
EO 3.1.2

- You do not understand some of the company's terminology.
- It is obvious that the company representatives do not use consistent terminology.
- Your main contact person at the company described their ideas by telling you the expected interactions between specialists and the information system in the form of different flows of user actions and system reactions.

Which two of the following approaches are particularly well suited to eliciting and documenting the requirements in this case? (2 answers)

<input type="checkbox"/>	A) Creating a statechart	<input type="checkbox"/>
<input type="checkbox"/>	B) Establishing a glossary	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) Eliciting and documenting the quality requirements	<input type="checkbox"/>
<input type="checkbox"/>	D) Creating a use case diagram and specifying the use cases	<input checked="" type="checkbox"/>
<input type="checkbox"/>	E) Creating and testing prototypes	<input type="checkbox"/>

12. Which of the following statements on the choice of notations for the documentation of functional requirements apply and which do not apply?

K0418  
2 Points  
v3.3.0  
EO 3.1.2

Applies	Does not apply			
<input type="checkbox"/>	<input type="checkbox"/>	A) Stakeholders should be able to read the notation used for a work product.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) Diagrams have to be applied in projects with object-oriented development.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) To ensure optimal communication, a notation that is aligned to the type of requirement should be used.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) Graphical notations are well suited for describing system requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

13. IREB defines quality criteria for work products. Which of the following statements about quality criteria are true and which are false?

K3423  
2 Points  
v3.3.0  
EO 3.8.2

True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) A requirement specification is non-redundant if each requirement is documented only once and does not overlap with others.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) A use case diagram might be not consistent with an activity diagram even if both of them are non-redundant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) A requirements specification is consistent if no single requirement contradicts with other requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) A use case specification is conformant if it contains all relevant requirements for the final product.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

14. A phrase template can be used to document natural-language requirements. You want to introduce such a template in your project and have to convince your project manager of the benefits. P0510  
2 Points  
v3.0.0  
EO 3.3.1
- Which are the two best arguments? (2 answers)

<input type="checkbox"/>	A) Phrase templates help to document well-structured requirements by providing a predefined syntactic structure.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) Requirements formulated in accordance with a phrase template do not contain incomplete relationships.	<input type="checkbox"/>
<input type="checkbox"/>	C) Learning how to write requirements in accordance with a phrase template does not require much time.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) Using a phrase template basically delivers a greater degree of information content.	<input type="checkbox"/>
<input type="checkbox"/>	E) Requirements written in accordance with a phrase template ensure that the quality criteria for requirements are met.	<input type="checkbox"/>

15. You are given the following requirement: "The system Alpha should display all data sets in all submenus". What is the most severe issue in this requirement? (1 answer) A0508  
1 Point  
v3.0.0  
EO 3.2.1

<input type="checkbox"/>	A) The requirement is written in the passive voice.	<input type="checkbox"/>
<input type="checkbox"/>	B) Universal quantifiers have been used.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) The requirement has incomplete conditions.	<input type="checkbox"/>
<input type="checkbox"/>	D) Nominalizations have been used.	<input type="checkbox"/>



16. Which of the following statements are true and which are false when working with template-based work products?

K3520  
2 Points  
v3.3.0  
EO 3.3.1

True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) Templates provide a blueprint for structuring single requirements, as well as whole specifications.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) Template-based work products for single requirements can help to prevent incomplete formulation of requirements in natural language.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) Template-based work products are inherently better in content than freely formulated requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) Templates are obligatory for all authors of a requirements specification.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

17. A system needs to be developed for managing the fleet of a courier service. The system shall periodically transmit the geographical position of a vehicle to the central unit. The following requirements were documented:

A3521  
1 Point  
v3.0.0  
EO 3.4.4

**R1:** "The system should be in operation as long as the ignition key is in the ignition lock."

**R2:** "The system should be in operation as long as a driver is seated in the driver's seat."

**R3:** "The system should switch to lost-signal if less than three satellites are available."

Which diagram best supports this type of requirement? (1 answer)

<input type="checkbox"/>	A) State diagram	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) Class diagram	<input type="checkbox"/>
<input type="checkbox"/>	C) Context diagram	<input type="checkbox"/>
<input type="checkbox"/>	D) Use case diagram	<input type="checkbox"/>

18. To support young actors and directors, a contest for short films is held. The three best films will be presented with an award. The films submitted must have a maximum length of 20 minutes and must take the constraints depicted in the following diagram into consideration.

K0619  
2 Points  
v3.0.0  
EO 3.4.6



Do the following statements match the above diagram?

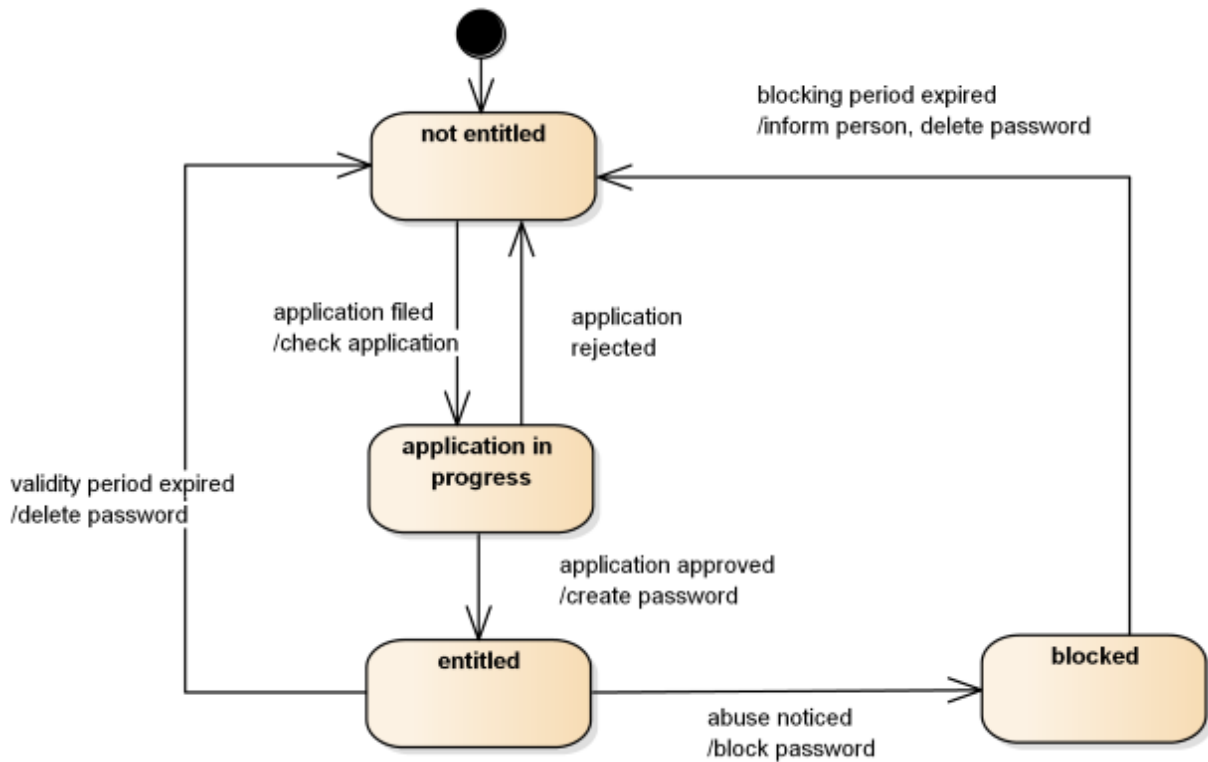
Matches	Does not match			
<input type="checkbox"/>	<input type="checkbox"/>	A) Three directors may direct a film collaboratively.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) A film with only one actor may be submitted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) A director may direct two films submitted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) An actor may star in any number of films.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	E) A film must have ten actors starring in it.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

19. What is NOT depicted in a use case diagram? (1 answer)

A0620  
1 Point  
v3.0.0  
EO 3.4.4

<input type="checkbox"/>	A) The process steps of an application	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) The actors of an application	<input type="checkbox"/>
<input type="checkbox"/>	C) The boundary between an application and its environment	<input type="checkbox"/>
<input type="checkbox"/>	D) An application's functionality	<input type="checkbox"/>

20. A company wants to introduce an authorization process for accessing confidential parts of the company's intranet by issuing time-limited passwords. For that reason a state diagram is modeled to express the possible states and state transitions for a user. K3605  
2 Points  
v3.3.0  
EO 3.4.5

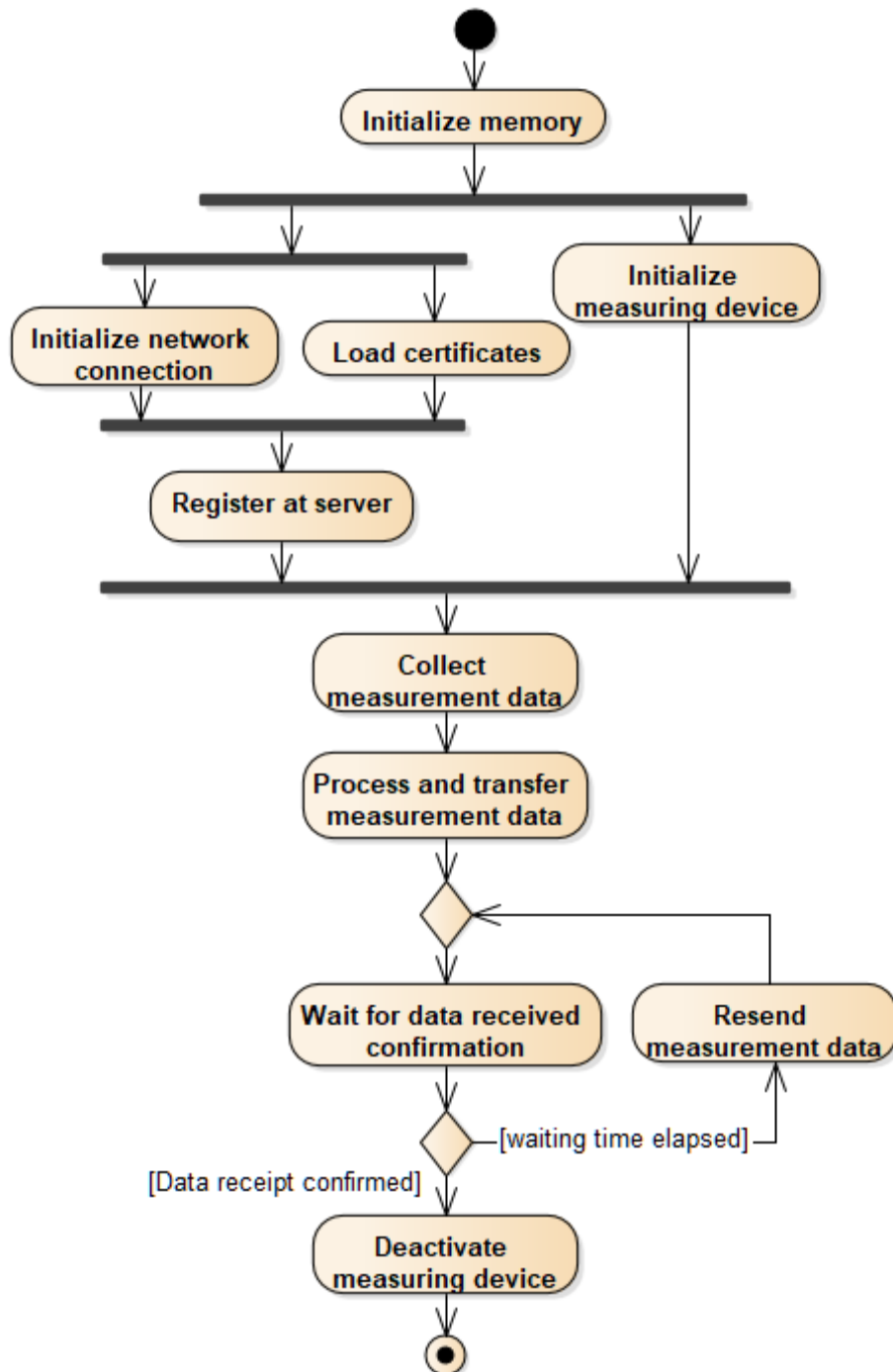


Determine which of the following requirements are modeled correctly in the state diagram above and which are modeled incorrectly or are not modeled at all.

Correctly modeled	Incorrect or not modeled			
<input type="checkbox"/>	<input type="checkbox"/>	A) Users in state <i>blocked</i> can be unblocked by resetting the user's password.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) If abuse for an user in state <i>entitled</i> has been noticed, the user's password is <i>blocked</i> .	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) If the validity period for an user in state <i>entitled</i> has expired, the password is deleted and the user is set to state <i>not entitled</i> .	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) If an application request is approved, the user gets an approval mail.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

21. The following activity diagram represents performing a measurement.

K0643  
2 Points  
v3.0.0  
EO 3.4.7



Do the following statements match the above diagram?

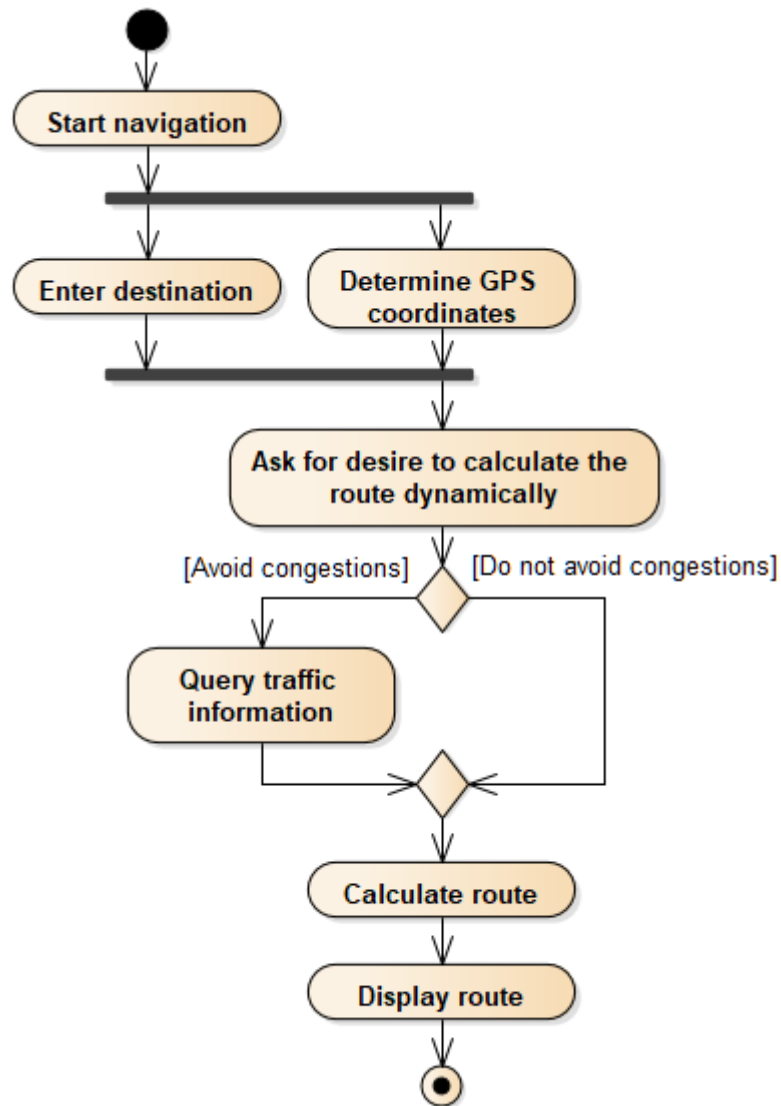
Matches	Does not match			
<input type="checkbox"/>	<input type="checkbox"/>	A) <b>Initialize measuring device</b> must happen prior to <b>Register at server</b> .	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) <b>Register at server</b> happens as soon as <b>Load certificates</b> is ready.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) <b>Initialize network connection</b> and <b>Load certificates</b> must finish at the same time.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) <b>Deactivate measuring device</b> is executed as soon as <b>Data receipt confirmed</b> is true.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

22. In Requirements Engineering, which two substantial advantages do graphical models (e.g., use case models or state machines) have over plain textual specifications in natural language? (2 answers) P0623  
2 Points  
v3.0.0  
EO 3.4.2

<input type="checkbox"/>	A) Models often focus on specific aspects and reduce the cognitive load for understanding the requirements.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) Models allow the complete description of requirements for a planned system.	<input type="checkbox"/>
<input type="checkbox"/>	C) Models can be checked more easily than natural language and have a restricted syntax that reduces possible ambiguities and omissions.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) Models are created with tools using a repository. Therefore, models are better suited for managing requirements.	<input type="checkbox"/>
<input type="checkbox"/>	E) With proper tools, source code can be generated from models, thus saving the effort for testing.	<input type="checkbox"/>

23. For each of the statements on the diagram below, decide whether it is true or false.

K0624  
2 Points  
v3.0.0  
EO 3.4.7



True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) A route can be calculated <b>without</b> querying traffic information.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) A route can be calculated <b>after</b> querying traffic information.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) The system can ask for the desire to calculate the route dynamically without having to determine the GPS coordinates first.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) The order of Enter destination and Determine GPS coordinates is arbitrary.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

24. You are modeling the requirements for a management system to be applied in universities. The steps for enrollment of a new student at a university are to be documented using a model-based approach. Which two of the following diagrams are best suited to this aim? (2 answers)
- P0626  
2 Points  
v3.0.0  
EO 3.4.4

<input type="checkbox"/>	A) BPMN diagram	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) Laus-Ohl diagram	<input type="checkbox"/>
<input type="checkbox"/>	C) Activity diagram	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) Class diagram	<input type="checkbox"/>
<input type="checkbox"/>	E) Use case diagram	<input type="checkbox"/>

25. When specifying a system, different aspects have to be considered. What is described in the *function and flow* aspect? (1 answer)
- A0627  
1 Point  
v3.3.0  
EO 3.1.4

<input type="checkbox"/>	A) Portability of the system	<input type="checkbox"/>
<input type="checkbox"/>	B) Reaction of the system to an internal state transition	<input type="checkbox"/>
<input type="checkbox"/>	C) Structure of input and output data	<input type="checkbox"/>
<input type="checkbox"/>	D) Transformation of input data into output data	<input checked="" type="checkbox"/>

## 4. Practices for Requirements Elaboration

26. You have been appointed as a Requirements Engineer in a company and are in the process of eliciting detailed requirements for a use case. To do this, you run through a series of interviews with various stakeholders. In the interview follow-up, you notice an inconsistency in the statements about the arrangement of functions in the menu on the user interface. What is the best way to deal with this situation? (1 answer)
- A3409  
1 Point  
v3.2.1  
EO 4.3.2

<input type="checkbox"/>	A) You discuss this finding with an available stakeholder and get a clear statement and record their advice.	<input type="checkbox"/>
<input type="checkbox"/>	B) You invite all stakeholders involved to a meeting and reach an agreement on this point.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) Due to your experience with user interfaces you can solve the problem on your own, thus saving valuable time.	<input type="checkbox"/>
<input type="checkbox"/>	D) You forward the problem to the product owner and let them decide on this matter based on the evaluation of potential risks.	<input type="checkbox"/>

27. Which two of the following statements best characterize the relationship between a Requirements Engineer and a stakeholder in the role of a tester? (2 answers)
- P0309  
1 Point  
v3.3.0  
EO 4.1.2

<input type="checkbox"/>	A) The Requirements Engineer provides input for the stakeholder's work.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) The Requirements Engineer's results are managed by the stakeholder.	<input type="checkbox"/>
<input type="checkbox"/>	C) The stakeholder can contribute to ensure the quality of the Requirements Engineer's work.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) The stakeholder supervises the Requirements Engineer's work.	<input type="checkbox"/>
<input type="checkbox"/>	E) There is no relationship between the Requirements Engineer's work and the stakeholder role.	<input type="checkbox"/>



28. The Kano model states that dissatisfiers (basic factors) are hard to elicit. Which of the techniques mentioned below is the most effective elicitation technique for dissatisfiers? (1 answer)

A0312  
1 Point  
v3.3.0  
EO 4.2.2

<input type="checkbox"/>	A) Prototyping	<input type="checkbox"/>
<input type="checkbox"/>	B) Questionnaire	<input type="checkbox"/>
<input type="checkbox"/>	C) Field observation	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) Brainstorming	<input type="checkbox"/>

29. Which two of the following aspects are the most important to consider when choosing suitable elicitation techniques? (2 answers)

P0313  
2 Points  
v3.3.0  
EO 4.2.3

<input type="checkbox"/>	A) The availability of the involved people.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) The preferences of the requirements engineer.	<input type="checkbox"/>
<input type="checkbox"/>	C) The category of requirements based on Kano classification.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) The complexity of the required tools.	<input type="checkbox"/>
<input type="checkbox"/>	E) The habitual use of a technique.	<input type="checkbox"/>

30. Which of the following techniques is NOT suitable for resolving requirements conflicts? (1 answer)

A3410  
1 Point  
v3.0.0  
EO 4.3.2

<input type="checkbox"/>	A) Overruling	<input type="checkbox"/>
<input type="checkbox"/>	B) Definition of variants	<input type="checkbox"/>
<input type="checkbox"/>	C) Compromise	<input type="checkbox"/>
<input type="checkbox"/>	D) Sampling	<input checked="" type="checkbox"/>

31. Which are the two most important attributes in a stakeholder list?  
(2 answers)

P3411  
2 Points  
v3.3.0  
EO 4.1.4

<input type="checkbox"/>	A) Their function/role	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) Their personal preferences	<input type="checkbox"/>
<input type="checkbox"/>	C) Their boss	<input type="checkbox"/>
<input type="checkbox"/>	D) Their relevance	<input checked="" type="checkbox"/>
<input type="checkbox"/>	E) Their previous projects	<input type="checkbox"/>

32. What are the two key advantages of using questionnaires for requirements elicitation? (2 answers)

P0314  
1 Point  
v3.3.0  
EO 4.2.2

<input type="checkbox"/>	A) Questionnaires allow a high number of participants.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) Questionnaires allow statistically relevant statements on requirements.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) Questionnaires allow the participants' understanding to be validated.	<input type="checkbox"/>
<input type="checkbox"/>	D) Questionnaires allow to obtain the most insights on delighters (excitement factors).	<input type="checkbox"/>
<input type="checkbox"/>	E) Questionnaires allow to address the needs of individual stakeholders easily.	<input type="checkbox"/>

33. Which of the following statements about elicitation techniques are true and which are false?

K0324  
2 Points  
v3.3.0  
EO 4.2.2

True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) An interview is a <i>gathering</i> technique.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) An analogy technique is a <i>gathering</i> technique.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) System archeology is an <i>observation</i> technique.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) Apprenticing is an <i>observation</i> technique.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

34. For a navigation system that is to be used internationally, a stakeholder demands a female voice only for the voice output. Another stakeholder considers this discriminatory and demands a male voice in addition.  
Which of the following types of conflicts describes this conflict best?  
(1 answer)

A0720  
1 Point  
v3.0.0  
EO 4.3.1

<input type="checkbox"/>	A) Relationship conflict	<input type="checkbox"/>
<input type="checkbox"/>	A) Interest conflict	<input type="checkbox"/>
<input type="checkbox"/>	B) Structural conflict	<input type="checkbox"/>
<input type="checkbox"/>	C) Value conflict	<input checked="" type="checkbox"/>

35. In your project, a new braking system for high speed trains is developed.  
Which validation technique is most suitable for this situation, where the system requirements of a safety-critical component should be validated?  
(1 answer)

A0721  
2 Points  
v3.0.0  
EO 4.4.3

<input type="checkbox"/>	A) A/B testing	<input type="checkbox"/>
<input type="checkbox"/>	B) Prototype	<input type="checkbox"/>
<input type="checkbox"/>	C) Walkthrough	<input type="checkbox"/>
<input type="checkbox"/>	D) Inspection	<input checked="" type="checkbox"/>

## 5. Process and Working Structure

36. Which two major facets below are the most important to consider when configuring an RE process? (2 answers) P3504  
2 Points  
v3.0.0  
EO 5.2.1

<input type="checkbox"/>	A) The time facet: linear vs. iterative	<input checked="" type="checkbox"/>
<input type="checkbox"/>	B) The budget facet: tight vs. large	<input type="checkbox"/>
<input type="checkbox"/>	C) The purpose facet: prescriptive vs. explorative	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) The methodology facet: structure-based vs. process-based	<input type="checkbox"/>
<input type="checkbox"/>	E) The interaction facet: team-driven vs. individual-driven	<input type="checkbox"/>

37. Based on an analysis of the influencing factors, a suitable combination of process facets should be configured. In practice, some specific combinations of facets frequently occur. A3505  
1 Point  
v3.0.0  
EO 5.3.1
- Which one of the combinations mentioned below is NOT recognized as such? (1 answer)

<input type="checkbox"/>	A) Product-oriented RE process (iterative, explorative, market oriented)	<input type="checkbox"/>
<input type="checkbox"/>	B) Human-oriented RE process (linear, process-based, individual)	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) Participatory RE process (iterative, explorative, customer specific)	<input type="checkbox"/>
<input type="checkbox"/>	D) Contractual RE process (linear, prescriptive, customer specific)	<input type="checkbox"/>

## 6. Management Practices for Requirements

38. Which of the following statements about views on requirements are true and which are false? K0819  
2 Points  
v3.3.0  
EO 6.5.3

True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) Not every stakeholder needs to have access to all requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) Requirements that belong together can be grouped to support the review.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) Requirements can be hidden from unauthorized stakeholders.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) It is assured that several people can work on one specification at the same time.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

39. The traceability of requirements has several goals. A0820  
1 Point  
v3.0.0  
EO 6.6.1  
Indicate the statement that is NOT correct. (1 answer)

<input type="checkbox"/>	A) Traceability facilitates an impact analysis.	<input type="checkbox"/>
<input type="checkbox"/>	B) Traceability facilitates the verification of implementation.	<input type="checkbox"/>
<input type="checkbox"/>	C) Traceability facilitates exports from a requirements management tool.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) Traceability facilitates finding a requirement's source.	<input type="checkbox"/>

40. Additional information on requirements is managed using attributes. An example of such additional information is a unique identifier. K0821  
2 Points  
v3.0.0  
EO 6.5.2

Which of the following statements regarding the purpose of unique identifiers are true and which are false?

Unique identifiers are helpful ...

True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) ... for estimating the overall size of a specification.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) ... for having an unambiguous basis for communication.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) ... for establishing references to other requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) ... for establishing traceability to other development artifacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

41. You have produced a requirements baseline and delivered it to development. In the meantime, stakeholders have submitted change requests for requirements of this baseline. P0838  
2 Points  
v3.2.0  
EO 6.4.1

Which of the following answers represent correct change management for requirements? (2 answers)

<input type="checkbox"/>	A) Changes with regard to requirements that are part of the baseline are implemented through the creation of new versions of the requirements within this requirements baseline.	<input type="checkbox"/>
<input type="checkbox"/>	B) Prior to adjusting the requirements to the change requests, the impact of the changes has to be determined.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) Change requests can be submitted at any time and may be considered for development when creating a future baseline.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) Time-critical change requests are neither analyzed nor estimated but delivered directly to development.	<input type="checkbox"/>
<input type="checkbox"/>	E) If the development for changed requirements has not started yet, the change can easily be processed without creating a new baseline.	<input type="checkbox"/>

42. Attributes are used to manage additional characteristics of requirements. Priority is one example of such a requirements attribute. Which of the following statements on the reason for prioritizing requirements are true and which are false?  
A reason for prioritizing is ...

K0802  
2 Points  
v3.3.0  
EO 6.8.1

True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) ... to decide which requirements are to be implemented in the next release.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) ... to decide on which requirements to focus first in testing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) ... to document how much it would cost to implement a requirement.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) ... to recognize which requirements can be reused.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

43. Version and configuration management are used for managing requirements and requirements specifications. "Version" and "baseline" are two frequently used terms in this context.

A0804  
1 Point  
v3.0.0  
EO 6.4.1

<input type="checkbox"/>	A) A version of a requirement	<input type="checkbox"/>
<input type="checkbox"/>	B) A released configuration of an individual requirement	<input type="checkbox"/>
<input type="checkbox"/>	C) A released configuration of requirements	<input checked="" type="checkbox"/>
<input type="checkbox"/>	D) A not yet released version of a requirements specification	<input type="checkbox"/>



## 7. Tool Support

44. As a Requirements Engineer for a company, you have to choose a tool to support your Requirements Engineering process.

K0910  
2 Points  
v3.3.0  
EO 7.2.1

In this context, which of the following statements are true and which are false?

True	False			
<input type="checkbox"/>	<input type="checkbox"/>	A) The tool has to support the artifacts demanded in the Requirements Engineering process applied.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	B) The choice of a tool should be left to the users of the tool.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	C) The tool has to assist users to set up their test cases as part of the Requirements Engineering process to support <i>shift-left testing</i> .	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	D) The choice of a tool is influenced by the tool chain (e.g., configuration management tool) the tool is to be applied in.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

45. Which of the following tasks is NOT a capability of a tool, that supports the management of requirements in the Requirements Engineering process?  
(1 answer)

A0922  
1 Point  
v3.3.0  
EO 7.1.2

<input type="checkbox"/>	A) Tracking logical relationships between requirements	<input type="checkbox"/>
<input type="checkbox"/>	B) Modelling of requirements	<input checked="" type="checkbox"/>
<input type="checkbox"/>	C) Measuring and reporting of the Requirements Engineering process	<input type="checkbox"/>
<input type="checkbox"/>	D) Providing support for the prioritization of requirements	<input type="checkbox"/>