

# IREB Exam

## Requirements Engineering Foundation Level

# Practice Exam

<b>Questionnaire:</b>	<b>Set_Public_EN_2.0.2</b>
<b>Syllabus:</b>	<b>Version 2.2</b>

**Passed**

**Failed**

**Total number of points**

**Explanation of the practice exam**

This practice exam provides an example of an actual IREB Requirements Engineering Foundation Level exam. It can be used when preparing for the actual exam.

If you want to use this practice exam under realistic conditions, print out the exam and answer the questions without means like training materials or books within a limit of 75 minutes. Make sure that you encounter as little disturbance as possible when answering the questions.

**In order to pass this exam, as in an actual examination, a mark of 70,00 percent has to be achieved. This is 50,40 points out of a maximum 72 possible points for the practice examination at hand.**

**Evaluation of the results**

In the document “Answers to the practice exam“ you will find the correct answers. To determine the number of points you have achieved please use the Excel sheet “CorrectionAidForThePracticeExam”.

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## 1. Introduction and Foundations

1. Which of the following statements on *quality requirements* are true and which are false? K0111  
2 Points

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 type="checkbox"/>	B) Quality requirements can complement <i>functional</i> requirements.
<input type="checkbox"/>	<input type="checkbox"/>	C) Quality requirements are elicited after the <i>functional</i> requirements.
<input type="checkbox"/>	<input type="checkbox"/>	D) Quality requirements can be substantiated with additional <i>functional</i> requirements.

2. Which of the following activities is not a core activity of the requirements engineer? (1 answer) A0120  
1 Point

<input type="checkbox"/>	A) Requirements negotiation
<input type="checkbox"/>	B) Formalizing requirements
<input type="checkbox"/>	C) Documenting of requirements
<input type="checkbox"/>	D) Requirements validation

3. Among others, the customer demands from the contractor who is responsible for delivering an information system the following: P0113  
1 Point

- A) *The contractor shall process a change request within five days.*
- B) *The test reports of the integration test are to be disclosed for examination, the test report of the system test is to be handed over.*
- C) *At any time, the system shall grant a throughput of 100 transactions per second.*
- D) *For configuration management, the tool Subversion has to be used.*
- E) *Under normal load the response time must not be 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"/>	B) Requirement B
<input type="checkbox"/>	C) Requirement C
<input type="checkbox"/>	D) Requirement D
<input type="checkbox"/>	E) Requirement E

## 2. System and Context Boundaries

4. Which two of the following types of documentation are best suited to document the system context? (2 answers) P0201  
1 Point

<input type="checkbox"/>	A) Textual description (continuous text)
<input type="checkbox"/>	B) Data flow diagram
<input type="checkbox"/>	C) State diagram
<input type="checkbox"/>	D) Stakeholder list
<input type="checkbox"/>	E) Use case diagram

5. Which aspects need to be considered when defining the system boundary and the context boundary? K0202  
2 Points

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

- 6. Which of the below are included in the definition of system and system boundary? (1 answer)** **A0201**  
**1 Point**

<input type="checkbox"/>	A) The affected software components
<input type="checkbox"/>	B) The necessary dialogues between the applications
<input type="checkbox"/>	C) The interfaces between the system and its environment
<input type="checkbox"/>	D) The required capacity of the system
<input type="checkbox"/>	E) Costs of the project

- 7. During the requirements engineering process for an online database you find that data protection regulations do not apply, as the data processed by the system is anonymized. What will be influenced by this finding? (1 answer)** **A0207**  
**1 Point**

<input type="checkbox"/>	A) The system boundary
<input type="checkbox"/>	B) The context boundary
<input type="checkbox"/>	C) System interfaces
<input type="checkbox"/>	D) Gray zone of the system boundary

- 8. Which of the following statements related to requirements engineering will most likely be the result of an incorrect view on the system context? (2 answers)** **P0214**  
**1 Point**

<input type="checkbox"/>	A) Incomplete or incorrect requirements
<input type="checkbox"/>	B) Increased customer satisfaction
<input type="checkbox"/>	C) Cost reduction by focusing on the essentials
<input type="checkbox"/>	D) System failure during operation because of unforeseen situations

### 3. Eliciting Requirements

9. Which two of the following statements best characterize the relation between a requirements engineer and a stakeholder in the role of a tester? (2 answers) P0309  
1 Point

<input type="checkbox"/>	A) The requirements engineer provides input for the stakeholder's work.
<input type="checkbox"/>	B) The requirements engineer's results are managed by the stakeholder.
<input type="checkbox"/>	C) The stakeholder contributes to the quality assurance of the requirements engineer's work.
<input type="checkbox"/>	D) The stakeholder supervises the requirements engineer's work.
<input type="checkbox"/>	E) There is no relation between the requirements engineer's work and the stakeholder role.

10. The Kano model describes that dissatisfiers (basic factors) are hard to elicit. What is the best elicitation technique for dissatisfiers? (1 answer) A0312  
1 Point

<input type="checkbox"/>	A) Interview
<input type="checkbox"/>	B) Questionnaire
<input type="checkbox"/>	C) Field observation
<input type="checkbox"/>	D) Low-fidelity prototyping
<input type="checkbox"/>	E) Brainstorming

11. Which two aspects are the most important to take into consideration in the choice of suitable elicitation techniques for a product data management software system? (2 answers) P0313  
2 Points

<input type="checkbox"/>	A) Availability of the stakeholders
<input type="checkbox"/>	B) Age of the stakeholders
<input type="checkbox"/>	C) Project deadlines and budget
<input type="checkbox"/>	D) Tools applied
<input type="checkbox"/>	E) Business the system is to be applied in

12. What are the two key advantages of using questionnaires for requirements elicitation? (2 answers) P0314  
1 Point

<input type="checkbox"/>	A) A high number of participants is possible.
<input type="checkbox"/>	B) Statistically relevant statements on requirements can be made.
<input type="checkbox"/>	C) Questionnaires allow the participants' understanding to be validated.
<input type="checkbox"/>	D) Questionnaires provide insights on delighters (excitement factors).
<input type="checkbox"/>	E) Questionnaires provide insights on dissatisfiers (basic factors).



13. You have to elicit requirements for sales software that will be used worldwide. In the initial elicitation of requirements, participants from all 30 branches should be involved. Project management has decided that for the documentation of the initial requirements a wiki system will be used.

A0315

2 Points

Which of the following statements is most likely correct? (1 answer)

**Comment: A wiki system is a web-based system that allows several people to work on one document collaboratively. The respective revisions are visible for all people involved. A prominent example of a wiki system is the online encyclopedia Wikipedia.**

<input type="checkbox"/>	A) The approach makes no sense as a wiki system is not a requirements management tool.
<input type="checkbox"/>	B) The approach makes no sense because the initial requirements analysis must be carried out through interviews done by a requirements engineer. .
<input type="checkbox"/>	C) The approach makes sense because all stakeholders can collaboratively work and comment on the initial requirements.
<input type="checkbox"/>	D) The approach makes sense as wiki systems provides a history (of the modifications).

14. You work as a requirements engineer on a project to which a few years ago a forerunner project existed. During this earlier project the requirements were documented with high quality. You decide to reuse a large part of the old specification. K0323  
2 Points

The requirements are classified according to the Kano model. Which of the following statements are correct and which are false?

True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) In principle, the current <i>delighters</i> must be determined again.
<input type="checkbox"/>	<input type="checkbox"/>	B) The current <i>satisfiers</i> are typically fully covered by the former <i>delighters</i> .
<input type="checkbox"/>	<input type="checkbox"/>	C) The former <i>satisfiers</i> are partially passed into the current <i>dissatisfiers</i> .
<input type="checkbox"/>	<input type="checkbox"/>	D) The former <i>satisfiers</i> and <i>dissatisfiers</i> need to be checked for completeness against the market trend.

15. Which of the following statements about elicitation techniques are true and which are false? K0324  
2 Points

True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) An interview is a survey technique.
<input type="checkbox"/>	<input type="checkbox"/>	B) Change of perspective is an observation technique.
<input type="checkbox"/>	<input type="checkbox"/>	C) System archaeology is an observation technique.
<input type="checkbox"/>	<input type="checkbox"/>	D) Apprenticing is a creativity technique.

## 4. Documenting Requirements

16. 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  
1 Point

**Choose from the following sentences the two correct combinations of role and requirements characteristic. (2 answers)**

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

17. A company wants to support its process of tender preparation with an information system. The management of the company hires a contractor to specify and develop or buy such a system. For this project, you are the contractor's responsible requirements engineer. During initial discussions with different representatives of the company you find, among other aspects, the following:
- Partly you do not understand the company's terminology.
  - It is obvious that that the company representatives do not use a consistent terminology.
  - Your main contact person at the company described his 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 elicit and document the requirements in this case? (2 answers)

<input type="checkbox"/>	A) Creating a class model
<input type="checkbox"/>	B) Establishing a glossary
<input type="checkbox"/>	C) Eliciting and documenting the quality requirements
<input type="checkbox"/>	D) Creating a use case diagram and documenting the use cases
<input type="checkbox"/>	E) Applying role plays
<input type="checkbox"/>	F) Creating and testing prototypes

18. 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

Applies	Does not apply	
<input type="checkbox"/>	<input type="checkbox"/>	A) Stakeholders should be able to read the notation used.
<input type="checkbox"/>	<input type="checkbox"/>	B) UML diagrams have to be applied in projects with object-oriented development.
<input type="checkbox"/>	<input type="checkbox"/>	C) To ensure optimal communication, a form of notation should be used that is aligned to the type of requirement.
<input type="checkbox"/>	<input type="checkbox"/>	D) A graphical notation like UML is easier to understand.

19. *Unambiguity* and *consistency* are counted among the quality criteria of requirements documents. K0423  
2 Points

Which of the following statements are correct and which are false?

True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) Only those requirements documents are unambiguous, in which each individual requirement is unambiguous.
<input type="checkbox"/>	<input type="checkbox"/>	B) A requirements document might be inconsistent, even though each individual requirement is itself consistent.
<input type="checkbox"/>	<input type="checkbox"/>	C) One of the characteristics of unambiguity is that each requirement can be uniquely identified.
<input type="checkbox"/>	<input type="checkbox"/>	D) One of the characteristics of unambiguity is that only technical terms from the glossary are used.

## 5. Documenting Requirements in Natural Language

20. A requirements template can be used for the documentation of natural-language requirements. You want to introduce such a requirements template in your project and have to convince your project manager of the benefits. P0510  
2 Points

Which two arguments could you use best in this discussion? (2 answers)

<input type="checkbox"/>	A) A minimum quality of the requirements is achieved already with the initial documentation.
<input type="checkbox"/>	B) Requirements formulated in accordance with the requirements template do not contain any linguistic transformational effects.
<input type="checkbox"/>	C) Learning how to write requirements in accordance with the requirements template does not require much time.
<input type="checkbox"/>	D) Using a requirements template basically delivers a greater degree of information content.
<input type="checkbox"/>	E) Requirements written in accordance with the requirements template satisfy all quality criteria for requirements.

21. Given the following requirement "The system Alpha should display all data sets in all sub menus." state which violation of the rules for natural language documentation leads to the most severe problem? (1 answer) A0508  
1 Point

<input type="checkbox"/>	A) The requirement is written in the passive voice.
<input type="checkbox"/>	B) Universal quantifiers have been used.
<input type="checkbox"/>	C) The legal obligation of the requirement is not defined.
<input type="checkbox"/>	D) The degree of the requirement's obligation is not temporally specified.

22. Which of the following statements on requirements templates are true and which are false? K0520  
1 Point

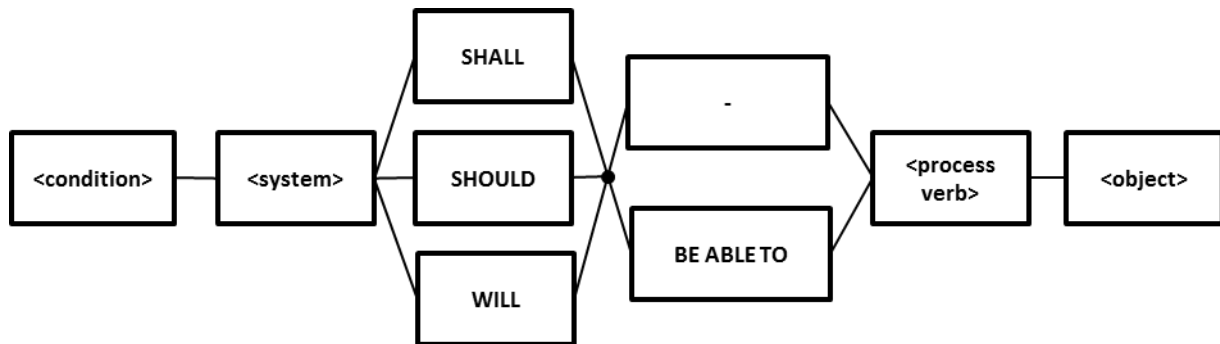
True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) Requirements templates are a blueprint for the syntactical structure of a single requirement.
<input type="checkbox"/>	<input type="checkbox"/>	B) Requirements templates help to prevent incomplete formulation of requirements in natural language.
<input type="checkbox"/>	<input type="checkbox"/>	C) Requirements that were documented with the aid of requirements templates are inherently of a higher quality than freely formulated requirements.
<input type="checkbox"/>	<input type="checkbox"/>	D) All authors of a requirements specification are obliged to apply the same requirements template.

23. For the fleet management of a courier service, a system needs to be developed. The system must periodically transmit the geoposition of a vehicle to the central unit. The following requirement was documented: „The system should be in operation as long as the ignition key is in the switch.“ Which measure can most likely improve the quality of this requirement? A0521  
2 Points
- (1 Answer)**

<input type="checkbox"/>	A) Addition of a state diagram.
<input type="checkbox"/>	B) Application of a requirements template.
<input type="checkbox"/>	C) Addition of a context diagram.
<input type="checkbox"/>	D) Reference to the glossary.

24. Consider the requirements template below for the formulation of requirements in natural language.

K0523  
2 Points



Which of the following statements are true and which are false?

True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) The template is very suitable for the formulation of independent system activities.
<input type="checkbox"/>	<input type="checkbox"/>	B) The template is very suitable for the formulation of user interactions.
<input type="checkbox"/>	<input type="checkbox"/>	C) The template is very suitable for the formulation of interface requirements.
<input type="checkbox"/>	<input type="checkbox"/>	D) The template is very suitable for the formulation of logical and temporal conditions.



### 6. Model-based Requirements Documentation

25. To support young actors and directors, a contest for short films is held. K0619  
 The three best films will be presented with an award. The submitted films 2 Points  
 must have a maximum length of 20 minutes and must take the  
 constraints depicted in the following diagram into consideration.



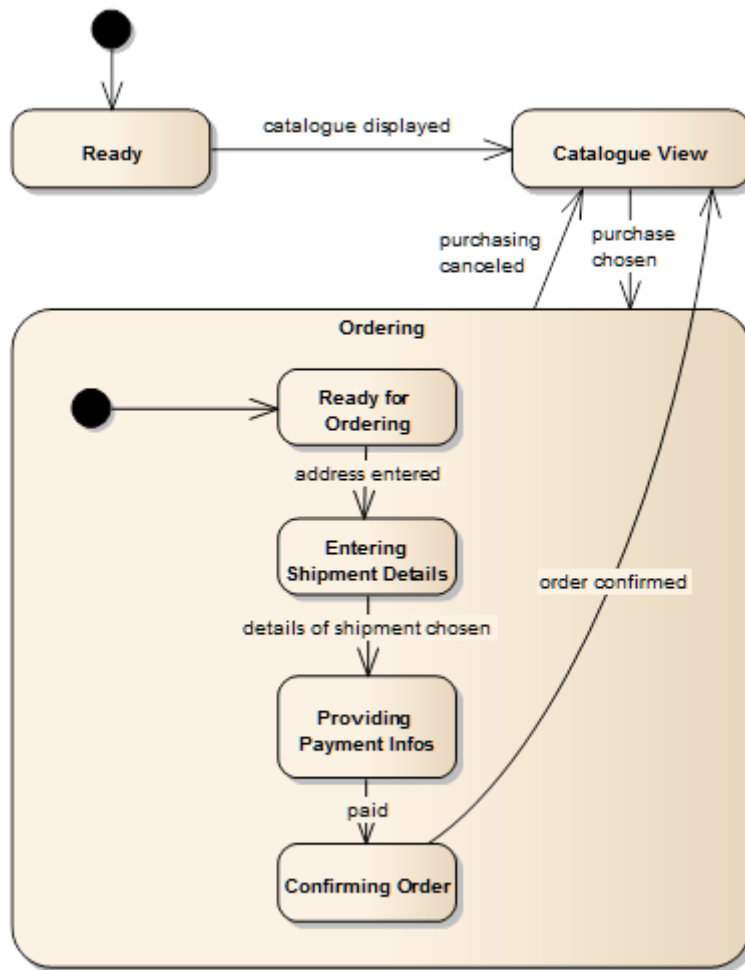
Do the following statements match the above diagram?

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

26. What is not depicted in a use case diagram? (1 answer) A0620  
1 Point

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

27. The following state chart represents the behavior of an online shopping system. This system provides the customers with the possibility to browse the available product catalogue and to purchase items. K0621  
2 Points



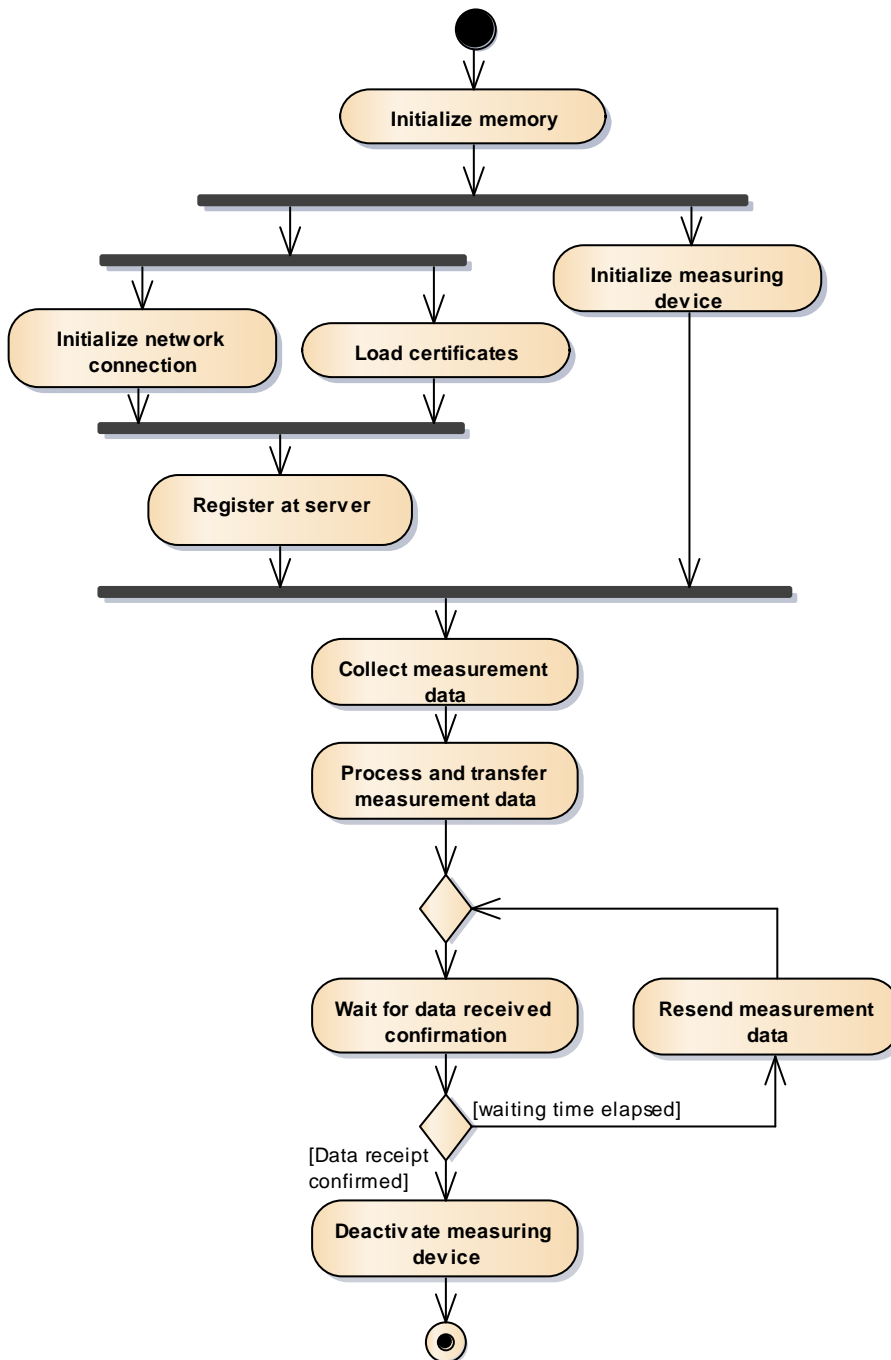
Do the following statements match the above diagram?

Matches	Does not match	
<input type="checkbox"/>	<input type="checkbox"/>	A) A direct transition from the state <b>Entering Shipment Details</b> to the state <b>Catalogue View</b> is possible.
<input type="checkbox"/>	<input type="checkbox"/>	B) A direct transition from the state <b>Catalogue View</b> to the state <b>Confirming Order</b> is possible.
<input type="checkbox"/>	<input type="checkbox"/>	C) The event <b>purchase chosen</b> has to happen to enter the state <b>Ordering</b> .
<input type="checkbox"/>	<input type="checkbox"/>	D) To leave the state <b>Ordering</b> the event <b>purchasing canceled</b> has to happen.

28. The following activity diagram represents performing a measurement.

K0643

2 Points



Do the following statements match the above diagram?

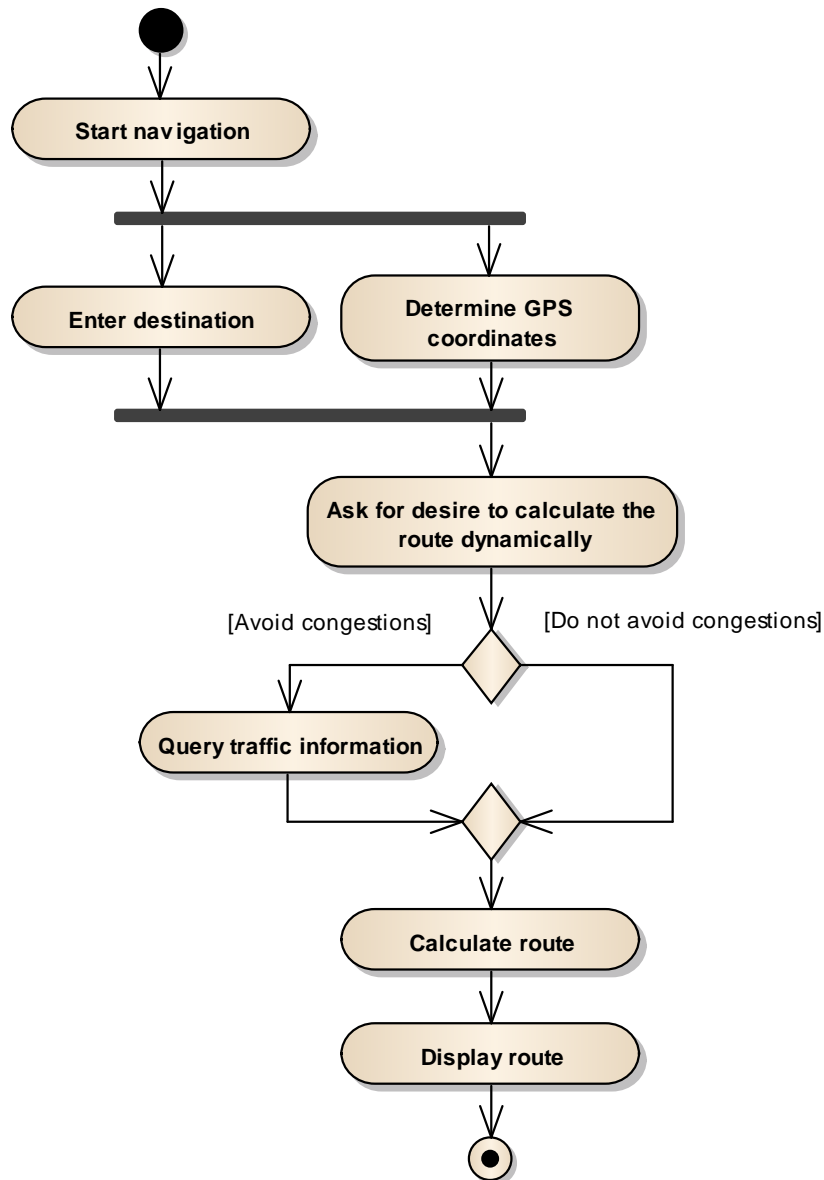
Matches	Does not match	
<input type="checkbox"/>	<input type="checkbox"/>	A) <i>Initialize measuring device</i> has to happen prior to <i>Register at server</i> .
<input type="checkbox"/>	<input type="checkbox"/>	B) <i>Register at server</i> happens as soon as <i>Load certificates</i> is ready.
<input type="checkbox"/>	<input type="checkbox"/>	C) <i>Initialize network connection</i> and <i>Load certificates</i> have to finish at the same time.
<input type="checkbox"/>	<input type="checkbox"/>	D) <i>Wait for data received confirmation</i> is always done directly before <i>Deactivate measuring device</i> .

29. 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

<input type="checkbox"/>	A) A model representing reality contains condensed information and can therefore be comprehended faster.
<input type="checkbox"/>	B) Models allow for complete description of the planned system.
<input type="checkbox"/>	C) Models can be better checked than natural language, as they follow formalized syntax and semantics.
<input type="checkbox"/>	D) Models are created with tools using a repository. Therefore, models are better suited for managing requirements.
<input type="checkbox"/>	E) With proper tools, source code can be generated from models.

30. Decide for each of the statements on the diagram below if they are true or false.

K0624  
2 Points



True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) A route can be calculated without querying traffic information.
<input type="checkbox"/>	<input type="checkbox"/>	B) A route can be calculated after querying traffic information.
<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 type="checkbox"/>	D) The order of <b>Enter destination</b> and <b>Determine GPS coordinates</b> is arbitrary.

31. Conceptual models have to adhere to certain principles. Which of the following statements apply for the terms *syntax* and *semantics* and which do not? K0625  
2 Points

Applies	Does not apply	
<input type="checkbox"/>	<input type="checkbox"/>	A) The semantics are the basis for the interpretation of conceptual models in a modeling language.
<input type="checkbox"/>	<input type="checkbox"/>	B) The syntax determines which model elements of a modeling language can be used.
<input type="checkbox"/>	<input type="checkbox"/>	C) The syntax defines the valid combinations of constructs of a modeling language.
<input type="checkbox"/>	<input type="checkbox"/>	D) The semantics define the purpose of applying a modeling language.

32. You are modeling the requirements for a management system to be applied in universities. The steps of enrollment (matriculation) 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? (2 answers) P0626  
1 Point

<input type="checkbox"/>	A) Data flow diagram
<input type="checkbox"/>	B) Laus–Ohl diagram
<input type="checkbox"/>	C) Activity diagram
<input type="checkbox"/>	D) Class diagram
<input type="checkbox"/>	E) Use case diagram

33. A system is described from different perspectives.

A0627

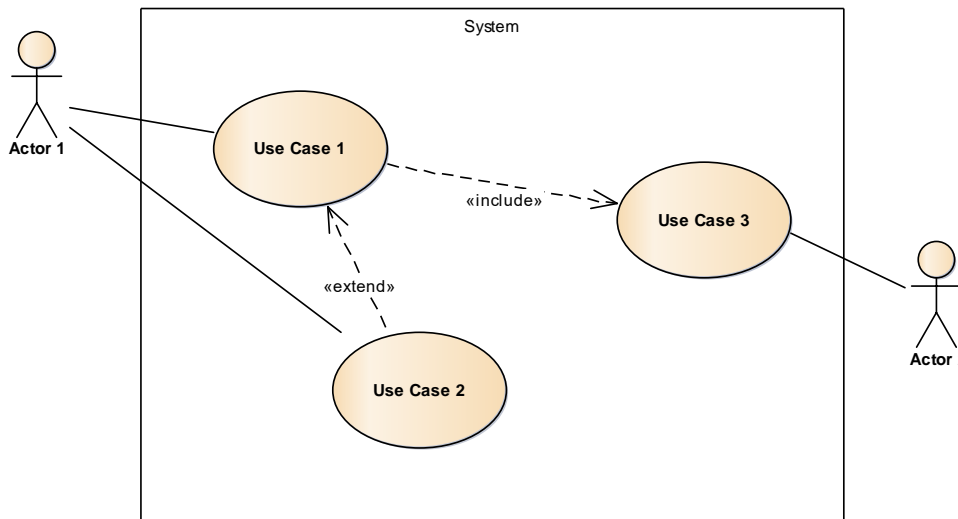
What is described in the functional perspective? (1 answer)

1 Point

<input type="checkbox"/>	A) Portability of the system.
<input type="checkbox"/>	B) Reaction of the system upon internal events.
<input type="checkbox"/>	C) Static usage relations and dependencies.
<input type="checkbox"/>	D) Structure of input and output data.
<input type="checkbox"/>	E) Transformation of input data into output data.



34. Recently, a new employee was hired by your company as a requirements engineer. She is to be involved in internal development projects and will help with the analysis phase. In your company the results of an analysis are documented in UML diagrams. Your new employee does not fully understand these yet, so your superiors have asked you to support and coach her. Based on the following Use Case diagram, you explain the basic characteristics of UML Use Case diagrams to her. Which statements regarding the diagram below are true and which are false?



True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) Use Case 2 is only triggered by Use Case 1.
<input type="checkbox"/>	<input type="checkbox"/>	B) Use Case 1 can be triggered by Actor 1.
<input type="checkbox"/>	<input type="checkbox"/>	C) Use Case 3 may end without being triggered by Use Case 1.
<input type="checkbox"/>	<input type="checkbox"/>	D) While Use Case 1 proceeds, Use Case 3 is triggered.
<input type="checkbox"/>	<input type="checkbox"/>	E) Use Case 1 is always triggered during the execution of Use Case 2.

## 7. Requirements Validation and Negotiation

35. To set up a suitable basis for further development activities, a requirements document is checked for certain quality criteria. P0715  
1 Point

Which two of the following qualities belong to the quality aspect “content”? (2 answers)

<input type="checkbox"/>	A) Completeness
<input type="checkbox"/>	B) Understandability
<input type="checkbox"/>	C) Unambiguity
<input type="checkbox"/>	D) Consistency
<input type="checkbox"/>	E) Size

36. Which of the following principles should you adhere to during an inspection and which not? K0719  
2 Points

Adhere to

Do not adhere to

<input type="checkbox"/>	<input type="checkbox"/>	A) Strict compliance to the predetermined inspection process.
<input type="checkbox"/>	<input type="checkbox"/>	B) Strict separation of the roles of the moderator and the reader.
<input type="checkbox"/>	<input type="checkbox"/>	C) Individual preparation of the participants.
<input type="checkbox"/>	<input type="checkbox"/>	D) Separation of identification and correction of errors.

**37. A company produces supplier parts for the automotive industry. The management has decided to make the company’s product catalog available online and to create the possibility of direct web-based online orders. This option had been particularly demanded by one important customer.**

**The company has started a corresponding development project. Now, the requirements specification has been finished. The project manager wants to have the specification checked using a walkthrough. She chooses four staff members of the testing department who have not been involved in the creation of the requirements document as reviewers.**

**Based on the above decide for the following decisions of the project manager whether they are appropriate or not.**

**K0717  
2 Points**

**Appropriate**  
**Not appropriate**

<input type="checkbox"/>	<input type="checkbox"/>	A) The timing the project manager chose for the walkthrough.
<input type="checkbox"/>	<input type="checkbox"/>	B) The review method walkthrough.
<input type="checkbox"/>	<input type="checkbox"/>	C) After the document walkthrough, a walkthrough is planned for the prototype of the user interface from a feasibility study.
<input type="checkbox"/>	<input type="checkbox"/>	D) In this situation, the project manager has decided not to involve any representatives of the major customer.

**38. For a navigation system 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**

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

39. In your project, a new braking system for high speed trains is developed. Clearly the result of the development is a safety critical component of the vehicle and it has to comply with various quality requirements. Which validation technique is suitable for this situation? **A0721**  
**2 Points**

**(1 answer)**

<input type="checkbox"/>	A) Perspective based reading
<input type="checkbox"/>	B) Prototype
<input type="checkbox"/>	C) Walkthrough
<input type="checkbox"/>	D) Inspection

## 8. Requirements Management

40. Which of the following statements about views on requirements are true and which are false? K0819  
2 Point

True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) Not the whole document has to be read for a particular perspective .
<input type="checkbox"/>	<input type="checkbox"/>	B) To support the review process, requirements which belong together are grouped.
<input type="checkbox"/>	<input type="checkbox"/>	C) Requirements can be hidden from unauthorized stakeholders .
<input type="checkbox"/>	<input type="checkbox"/>	D) It is assured that several people can work on one specification at the same time.

41. The traceability of requirements aims at several goals. A0820

Indicate the statement that is **not** correct. (1 answer) 1 Point

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

42. Additional information on requirements is managed using attributes. An example of such additional information is a unique identifier. K0821  
2 Points

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 type="checkbox"/>	B) ... for having an unambiguous basis for communication.
<input type="checkbox"/>	<input type="checkbox"/>	C) ... for establishing references to other requirements.
<input type="checkbox"/>	<input type="checkbox"/>	D) ... for establishing traceability to other development artifacts.

43. How many versions of a requirement occur in a correct requirements configuration? (1 answer) A0833  
1 Point

<input type="checkbox"/>	A) One version of each selected requirement.
<input type="checkbox"/>	B) One version of every requirement.
<input type="checkbox"/>	C) The latest version of each selected requirement.
<input type="checkbox"/>	D) The latest version of every requirement.

44. You have produced a requirements baseline and delivered it to development. In the meantime, stakeholders have submitted new requests for change to you.

P0838

2 points

Which of the following answers represent a correct change management of 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 within this requirements baseline.
<input type="checkbox"/>	B) Prior to adjusting the requirements to the change requests, the impact of the changes is to be determined.
<input type="checkbox"/>	C) The earliest occasion for realizing corrective and adaptive changes to the requirements would be the delivery of the next requirements configuration to development.
<input type="checkbox"/>	D) Time-critical change requests are neither analyzed nor estimated, but delivered directly to development.

## 9. Tool Support

45. As a requirements engineer for a company, you are to choose a tool for requirements management. In this context, which of the following statements are true and which are false? K0910  
2 Points

True	False	
<input type="checkbox"/>	<input type="checkbox"/>	A) The tool has to support the artifacts demanded in the requirements engineering process applied.
<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 type="checkbox"/>	C) The choice of a tool is substantially determined by the flexibility of the definable attributes.
<input type="checkbox"/>	<input type="checkbox"/>	D) The choice of a tool is also influenced by the tool chain (e.g. configuration management) the tool is to be applied in.

46. Which of the following is not a characteristic of requirements management tools? (1 answer) A0922  
1 point

<input type="checkbox"/>	A) Managing logical relations between data.
<input type="checkbox"/>	B) Deriving test cases from requirements.
<input type="checkbox"/>	C) Generating documents from the data.
<input type="checkbox"/>	D) Supporting views on requirements.
<input type="checkbox"/>	E) Organizing information, for instance by assigning attributes or creating a hierarchy.