



CPRE Practice Test Questions 1– 100

Questions for CPRE (1 – 100)

1. Which of the following is *not* part of the major activities for a requirements engineer?
 - A. Elicitation
 - B. Documentation
 - C. Validation
 - D. Promote agile method

2. Which of the following is the objective of elicitation?
 - A. Gather requirements
 - B. Document requirements
 - C. Validate requirements
 - D. None of the above

3. Which of the following is *not* an objective of requirements validation?
 - A. Ensure requirements meet business needs
 - B. Ensure requirements meet the requirements of the quality criteria
 - C. Document stated requirements
 - D. Creating the context diagram.

4. Which of the following is a quality requirement?
 - A. Application should be able to support 100 concurrent users
 - B. Application development shall follow the agile development approach
 - C. The system shall be able to capture necessary information about project risks
 - D. Once a risk is created, it can be assigned to a project team member

5. Peter is the requirements engineer for a project and needs to identify the stakeholder that will be responsible for authorizing the actions needed to meet the identified business need. Which stakeholder does Peter need to identify?
 - A. Sponsor
 - B. Customer
 - C. User
 - D. Project manager

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6. Which of the following possible project requirements are considered functional requirements?
 - A. New data that supports changes to any business process will be included in the new system
 - B. New data added will be accessible directly from the My SQL database
 - C. Data for the system changes will be retained for three years
 - D. Data for the system changes will be backed up daily with a copy stored off-site

7. Techniques used to specify requirements include all of the following *except*:
 - A. Business rules analysis
 - B. Prototyping
 - C. Scenarios and use cases
 - D. Functional composition

8. Which type of requirements best describe the behavior and information that the solution will manage, including a specific system action or response?
 - A. Business requirements
 - B. Stakeholder requirements
 - C. Functional requirements
 - D. Non-functional requirements

9. Oral communication may include which of the following?
 - A. Active listening, unemotional and other non-verbal cues
 - B. Active listening, expressed documented ideas
 - C. Active listening, emotional and other non-verbal cues
 - D. Active listening, verbal assaults

10. Your project seems to have many new requirements being discovered during the first two months of implementation. What is the best course of action you could recommend?
 - A. Change the business analysis approach from the plan-driven to a change-driven approach
 - B. Suspend development of changes until you can understand the impact of the interface requirements
 - C. Advise the remote system users that process re-engineering should be postponed until after the current project has been completed
 - D. Estimate the cost of re-work due to anticipated change requests

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11. Which of the following stakeholders will be more focused on the design of the solution?
- A. Project manager
 - B. Implementation subject matter expert (SME)
 - C. Domain SME
 - D. Sponsor
12. Implementation SMEs are *not* typically responsible for which parts of the solution?
- A. Providing information on technical constraints that may limit possible solutions
 - B. Offering input on the skills and capabilities needed to successfully run the new solution and suggestions about the set of requirements to be allocated to a solution component or to release
 - C. Managing project effort and cost
 - D. Informing when and where requirements are allocated and helping with the evaluation of the design of software applications
13. Which of the following is defined by the system context?
- A. Aspects that affect the system
 - B. Aspects that do not affect the system
 - C. People who use the system
 - D. None of the above
14. Which of the following aspects *cannot* be included in the system context?
- A. People who use the system
 - B. Documents used for the system
 - C. Other systems that interact with the system
 - D. Other systems that do not interact with the system
15. Which of the following is *true* about system context?
- A. Separates the system to be developed from its environment
 - B. Separates useful aspects of the environment from non-useful aspects
 - C. Both of the above
 - D. None of the above

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16. Which of the following is true about the system boundary?
- A. Separates features that can be modified against those which can not
 - B. The system context and system makes up the system boundary
 - C. Both of the above
 - D. None of the above
17. Which of the following is the best modeling technique used to capture system context?
- A. Context diagram
 - B. State chart diagram
 - C. Fishbone diagram
 - D. Sequence diagram
18. Which of the following is the system that provides data?
- A. Start point
 - B. End point
 - C. Source
 - D. Sink
19. Which of the following is the system that stores data?
- A. Source
 - B. Data store
 - C. Sink
 - D. None of the above
20. While eliciting requirements, you find that local taxes may be applicable. This will be part of which of the following?
- A. System context
 - B. System boundary
 - C. Gray zone
 - D. Irrelevant environment
21. During requirements engineering, avoiding the lack of clarity when defining boundaries is called:
- A. Concretion
 - B. Concatenation
 - C. Confirmation
 - D. Consolidation

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22. Which of the following influences the context of a system?
- A. Stakeholders
 - B. Laws and standards
 - C. Business processes
 - D. All of the above
23. The area between system context and the irrelevant environment, which may shift during requirements engineering, is called:
- A. Grey zone
 - B. Incomplete zone
 - C. Undefined zone
 - D. Red zone
24. The Kano model states that dissatisfiers (basic factors) are hard to find. What is the best elicitation technique for finding dissatisfiers?
- A. Interview
 - B. Questionnaire
 - C. Field observation
 - D. Low-fidelity prototyping
25. You have to elicit requirements for a sales software product that will be used worldwide. In the initial elicitation of requirements, participants from all 30 branches were involved. Project management has decided that for the documentation of the initial requirements a wiki system is to be used. Which of the following statements is most likely correct?
- A. The approach makes no sense since wiki systems do not have a requirements management tool
 - B. The approach makes sense as all people involved can collaboratively write down and comment on the initial requirements
 - C. The approach makes no sense because the initial requirements analysis has to be performed by a requirements engineer using interviews
 - D. The approach makes sense since wiki systems provide a history of the modifications that have been made
26. If you are unfamiliar with a domain, what should be the first thing you do?
- A. Create a class model
 - B. Elicit and document the quality requirements
 - C. Understand the vocabulary of the domain
 - D. Apply role plays

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27. What do the techniques perspective-based reading, apprenticing, contextual inquiry, and system archaeology have in common?
- A. They are all moderated techniques
 - B. They are all group-oriented techniques
 - C. These techniques are applicable when stakeholders show little motivation
 - D. The techniques are suitable for the identification of stakeholders
28. Which of the following statements is *not true* about apprenticing?
- A. Apprenticing is an observation technique
 - B. Apprenticing is an individual-orientated technique
 - C. Apprenticing should, if possible, take place in the environment in which the new system will later be deployed
 - D. Further questions are not allowed during apprenticing, as these may influence the observation
29. Interviews and brainstorming are techniques used during which activity?
- A. Conducting elicitation
 - B. Preparing documentation
 - C. Preparing the business needs assessment
 - D. Traceability
30. Stakeholder maps are virtual diagrams that depict the relation of stakeholders to the solution and to one another. Which of the following forms can be used as stakeholder maps?
- A. RACI matrix
 - B. Decision tree
 - C. OPAS
 - D. Stakeholder *Onion* diagram
31. The question, “How many cars are manufactured in any given day?” is an example of:
- A. An open-ended question
 - B. A stated requirement
 - C. A closed-ended question
 - D. A business need

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32. What is a key advantage of using questionnaires for requirements elicitation?
- A. Statistically relevant statements about requirements can be made
 - B. Questionnaires allow for validating the participants understanding
 - C. Questionnaires provide insights on delighters (excitement factors)
 - D. Questionnaires provide insights on dissatisfiers (basic factors)
33. A stakeholder map is used for:
- A. Visual representations of how stakeholders collaborate over time to perform work
 - B. Listing stakeholders and the requirements they map to
 - C. Visual representations of stakeholders and their relationships to the solution
 - D. Showing the relationships of stakeholders to the solution
34. Why is it important to assess stakeholder influences during stakeholder analysis?
- A. To determine who can approve requirements
 - B. To identify stakeholders to interview
 - C. To develop strategies for obtaining buy-in and collaboration
 - D. To obtain and maintain consensus among key stakeholders
35. 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 future phases of the development process. Which of the following is the correct combination of role and requirements characteristic?
- A. For the testers, the requirements have to be realizable
 - B. For the developers, the requirements have to be easily changeable
 - C. For all people involved, the requirements have to be consistent
 - D. For the maintenance staff, the requirements have to be able to be prioritized

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36. In order to set up a suitable basis for further development activities, a requirements document is checked for certain quality criteria. Which of the following qualities applies to the quality aspect “content”?
- A. Completeness
 - B. Understandability
 - C. Un-ambiguity
 - D. Consistency
37. Which of the following documents contain key domain terms along with their business definitions?
- A. Requirements analysis plan
 - B. Glossary
 - C. Data modeling
 - D. Requirements package
38. A requirements package is best defined as:
- A. The results of object-oriented design where classes and messages are combined into packages for delivering a software system
 - B. The consolidation of data modeling graphical representations into a packaged presentation for the design team and other stakeholders to approve the solutions recommendation
 - C. A set of requirements grouped together in a document or presentation for communication to stakeholders
 - D. The summation of requirements metrics used to evaluate the performance of the requirements management plan
39. Which among the following is *not* included in the requirements perspective?
- A. Data
 - B. Behavior
 - C. Function
 - D. Security

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40. The V-model has which of the following recommended documents?
- A. Customer requirements
 - B. Data requirements
 - C. Functional requirements
 - D. Non-functional requirements
41. Which of the following statement defines the term “requirement” in accordance with the IEEE standard?
- A. The difference between current state and desired state
 - B. An instruction on how a requirement is to be fulfilled
 - C. A problem that has been identified
 - D. A capability that must be met or possessed by a system
42. Requirements should be _____ to be managed, because stakeholders cannot consent to requirements if they are not aware of them.
- A. Defined
 - B. Elicited
 - C. Documented
 - D. Communicated
43. According to project conditions, different information is maintained within a stakeholder list. Which of the following information items *are not* relevant for every project and therefore do not need to be documented in every project?
- A. Field and depth of knowledge
 - B. Time and location availability
 - C. Political orientation of the stakeholder
 - D. Goals and interests in relation to the project
44. Which of the following formats should be used for a requirements package?
- A. A formal presentation, otherwise it is not worth packaging requirements
 - B. One that is appropriate to the needs of the stakeholders
 - C. They should, at a minimum, contain a business requirements specification or equivalent
 - D. Models, diagrams, and documents

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45. Which of the following *is not* a quality criterion for a requirements document?
- A. Unambiguity
 - B. Structured
 - C. Developed using use cases
 - D. Complete
46. Which of the following is not a shortcoming of natural language?
- A. Inherent ambiguity
 - B. Subjective perception
 - C. Does not require preparation time
 - D. Misrepresentation of ideas
47. Converting a long lasting process into a singular event falls under which of the following transformational effects?
- A. Nominalization
 - B. Universal quantifiers
 - C. Incompletely specified conditions
 - D. Incompletely specified process verbs
48. The requirement *the system shall be user friendly* falls under which category?
- A. Nouns without reference index
 - B. Universal quantifiers
 - C. Completely specified conditions
 - D. Incompletely specified process verbs
49. Which of the following is an example of a universal quantifier?
- A. The system shall be easily accessible
 - B. The system shall show all employee details
 - C. Participants below 15 years of age can take part in this event
 - D. To log a user in, the login data is entered
50. Which of the following is a blueprint for the syntactic structure of individual requirements?
- A. Requirements template
 - B. Requirements documents
 - C. Requirements checklist
 - D. Requirements modeling

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51. What is the correct sequence for the application of the following requirements templates?
1. Requirement's core determines the required process
 2. Determine legal obligation
 3. Characterize the activity of a system
 4. Determine logical and temporal conditions
 5. Insert objects
- A. 2-1-3-5-4
 - B. 1-2-3-4-5
 - C. 4-5-1-3-2
 - D. 2-3-1-5-4
52. Using a requirements construct is a good practice because it :
- A. Ensures completeness of the requirement
 - B. Reduces ambiguity
 - C. Neither A or B
 - D. Both A and B
53. Subjective perception happens due to:
- A. Differences in a person's knowledge
 - B. Ambiguity in spoken language
 - C. Noise in the medium
 - D. Any of the above
54. The tendency of stakeholders to combine a number of verbs into one is known as:
- A. Nominalization
 - B. Nouns without reference index
 - C. Universal quantifiers
 - D. None of the above
55. One of your stakeholders provides the requirement *all application users must be able to submit requests on the system*. This is an example of:
- A. Nominalization
 - B. Nouns without reference index
 - C. Universal quantifiers
 - D. None of the above

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56. One of your stakeholders provides the requirement *only project managers and above can use the Excel export feature*. This is an example of which of the following?
- A. Nominalization
 - B. Nouns without reference index
 - C. Universal quantifiers
 - D. Incompletely specified conditions
57. Which of the following is not depicted in a use case diagram?
- A. The process steps of an application
 - B. The actors of an application
 - C. The use cases of an application
 - D. The boundary between an application and its environment
58. In requirements engineering, which is the main advantage graphical models (i.e., use case models or state machines) have over plain textual specifications in natural language?
- A. A model representing reality contains condensed information and can therefore be comprehended faster by a person with modeling knowledge
 - B. Models allow for complete description of the planned system
 - C. Models can be verified better than natural language because they follow formalized syntax and semantics
 - D. Models are created with tools using a repository, therefore models are better suited for managing requirements
59. Which of the following statements apply to the term “syntax” in a conceptual model?
- A. Syntax is fundamental for the interpretation of conceptual models in a modeling language
 - B. Syntax determines which model elements of a modeling language can be used
 - C. Syntax defines any combination of constructs in a modeling language
 - D. Syntax defines the purpose of applying a modeling language

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60. You are modeling the requirements for a management system to be applied in universities. The steps of enrollment (matriculation) of a new student entering a university will do via model-based documented. Which of the following diagrams is best suited?
- A. Communication diagram
 - B. Laus-Ohl diagram
 - C. Activity diagram
 - D. Class diagram
61. A system is described in different perspectives. What is described in the functional perspective?
- A. Portability of the system
 - B. Reaction time of the system on external events
 - C. Static usage relations and dependencies
 - D. Structure of input and output data
62. Mark is creating a model that shows how data moves through a system. Each function that modifies the data, in any manner, is identified, decomposed to smaller levels, and the system is completely described from start to storage. What type of a modelling technique is Mark using?
- A. Functional decomposition
 - B. Data flow diagramming
 - C. Work decomposition
 - D. Organization modelling
63. All state machines must have an initial state and _____:
- A. Optional and mandatory states
 - B. Beginning and ending states
 - C. Open and closed states
 - D. Intermediate and ending states
64. Which of the following is *not* used for capturing the static aspects of a system?
- A. Class diagram
 - B. Use case diagram
 - C. Object diagram
 - D. Component diagram

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65. Which of the following diagrams is used to model message flow control in an application?
- A. Class diagram
 - B. Activity diagram
 - C. Collaboration diagram
 - D. Sequencing diagram
66. You are creating a model for your requirements. Which model type categorizes and describes the people who directly interact with a solution?
- A. Rules
 - B. User classes, profiles, or roles
 - C. Concepts and relationships
 - D. Events
67. A use case model is:
- A. A diagram with stick-figure actors that are connected to use cases drawn in ovals
 - B. Text flows of events that describe the steps an actor takes to accomplish the goal of a use case
 - C. A diagram with stick-figure actors that are connected to use cases drawn in ovals, and text flows of events that describe the steps actors take to accomplish the goals of a use case
 - D. A diagram with stick-figure actors connected to use cases drawn in ovals, text flow of events that describe the steps actors take to accomplish the goal of a use case, and associated documented business rules affecting the use case
68. Which of the following principles should you *most* avoid in an inspection?
- A. Strict compliance to the predetermined inspection process
 - B. Strict separation of the roles of the moderator and the reader
 - C. Individual preparation of the participant
 - D. Separation of identification and correction of errors
69. In a workshop, you are analyzing a conflict between two stakeholders in a heated argument. What is a good way to resolve the conflict?
- A. Allow stakeholders to argue further
 - B. Stick to stated positions
 - C. Escalate the matter
 - D. Understand the reason behind conflict

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70. Negotiating is a common skill needed by BAs when working with clients, and has all of the following objectives *except* for which one of the following?
- A. Resolving disputes
 - B. Agreeing on courses of action
 - C. Creating outcomes to satisfy various interests
 - D. Holding out for the most advantageous position
71. A structured walkthrough is an example of which of the following?
- A. Requirements communication
 - B. Requirements analysis
 - C. Requirements performance management
 - D. Contextual risk analysis
72. Reviewers must evaluate and comment on the content and not the author. This is a good practice for what technique?
- A. Structured walkthrough
 - B. Decision analysis
 - C. Document analysis
 - D. Interviews
73. Signoff may best occur in which of the following ways?
- A. Recorded physically or electronically
 - B. Verbally
 - C. Face-to-face
 - D. As decided by the requirements engineer and project manager during business analysis planning
74. Requirements auditors must be:
- A. Independent
 - B. Post-graduates
 - C. Only from the same group
 - D. From within the organization

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75. In a discussion with a number of stakeholders you discover a conflict between two stakeholders. Upon further analysis, it turns out that the business rules are different for the stakeholders. Which of the following conflict resolution techniques do you choose?
- A. Agreement
 - B. Compromise
 - C. Definition of variants
 - D. Voting
76. Which of the following statements about conflict is true?
- A. Conflicts that affect the requirements must be resolved before formal approval is given
 - B. Signoff can occur provisionally if the parties agree that not resolving the conflict does not present a risk to the business analysis effort
 - C. Conflicts do not need to be resolved when using a change-driven approach and no formal approval is required
 - D. When conflicts occur that jeopardize the effort, the business domain subject matter expert will resolve the conflict
77. A checklist is an example of which of the following techniques?
- A. Release management
 - B. Quality management
 - C. Quality measurement
 - D. Quality control
78. Which of the following is the *least* effective way to resolve conflicts?
- A. Written communication
 - B. Understanding the reason behind the conflict
 - C. Third party mediator
 - D. Formal meetings
79. Which of the following is *not true* about traceability of requirements?
- A. Traceability facilitates an impact analysis
 - B. Traceability facilitates the verification of implementation
 - C. Traceability facilitates exports from a requirements management tool
 - D. Traceability facilitates finding a requirement's source

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80. Additional information on requirements is managed using attributes. An example of such additional information is a unique identifier. Which of the following statements is *not true* about unique identifiers?
- A. Helpful for estimating the overall size of a specification
 - B. Helpful for having an unambiguous basis for communication
 - C. Helpful for establishing references to other requirements
 - D. Helpful for establishing traceability to other development artifacts
81. You have created the business case, business need, requirements management plan, and the stakeholder list. You will be starting to determine the relative importance of each requirement for implementation. What is the output of the task you are currently working on?
- A. Approved requirements
 - B. Allocated requirements
 - C. Prioritized requirements
 - D. Validated requirements
82. The requirements management plan *is not*:
- A. A plan for how the requirements engineer will communicate with stakeholders, and plan how requirements will be approached, traced, and prioritized
 - B. The starting point for initiating a new project and continued as changes occur and as more information becomes available
 - C. The non-functional requirements
 - D. The tasks that are performed in order to ensure that solutions meet the business need and for ensuring that stakeholders fully understand the solution requirements
83. Which one of the following statements best describes requirements prioritization?
- A. It determines how requirements will be prioritized based on the most important stakeholders to the least important stakeholders
 - B. It is only used with the change-driven approach to business analysis
 - C. It is only used with the plan-driven approach to business analysis
 - D. It determines how requirements will be prioritized and how those priorities will be used to define the solution scope

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84. What is a change log?
- A. It is a document that records all change requests for the project
 - B. It is a document that tracks all characteristics and the status of changes that have been received
 - C. It is a document that tracks all unauthorized changes to the project solution
 - D. It is a document that tracks the changes that have been received, including their implementation to the project solution
85. Recording the dependencies and relationships for the requirements helps in determining which of the following?
- A. The sequence in which requirements are to be addressed
 - B. Which requirements carry the most risk
 - C. Determining the total cost for the solution to be implemented
 - D. Determining the total time for the solution to be implemented
86. Mary is a requirements engineer and is working on prioritizing requirements. What plan should guide her through this process?
- A. Risk management plan
 - B. Project management plan
 - C. Requirements management plan
 - D. Scope management plan.
87. Management would like you to front-load the requirements with the most risk. Why would management *most* prefer the risky requirements first in the prioritization?
- A. So if the risk comes true, and the project fails, there will be little investment in the work
 - B. So if the risk comes true, the project manager can mitigate the risk event
 - C. So if the risk comes true, they'll receive the reward as soon as possible
 - D. So if the risk comes true, there's ample time to correct the problem
88. In a project, change requests generally increase during which phase?
- A. During the project's launch
 - B. Towards the beginning of the project
 - C. During the project scope management processes
 - D. Towards the end of the project

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89. An issues log can be used for which of the following?
- A. Maintain a list of requirements
 - B. Resolve the obstacles in meeting milestone dates for the project manager
 - C. Manage successive iterations of requirements elaboration
 - D. Record conflicts that arise between stakeholders
90. Ria has been tracking several problems on her project and they don't seem to get resolved. Which of the following is the *most* likely reason for the lack of resolution?
- A. Ria has not prioritized the issues
 - B. The project manager has not granted Ria the authority to resolve the issues
 - C. Key stakeholders are not available to make decisions
 - D. Ria has mismanaged her deadlines
91. One particular stakeholder is adding unnecessary requirements and expectations into the go/no-go criteria. What would be your approach before submitting the requirements package?
- A. Call a meeting with the project sponsor and the SME in question and layout your assessment of the situation
 - B. If you believe the stakeholder will be disruptive to the decision-making process, do not invite the stakeholder from the decision package review meeting
 - C. Facilitate a brainstorming session among executive team members to deal with the SME's expectations
 - D. Seek a meeting with the SME to listen carefully to his concerns and be able to reflect them back to the stakeholder. Then engage the stakeholder in suggestions for how to mitigate the particular issues. Consider next steps after thoroughly understanding the concerns from the stakeholder's perspective.
92. Which of the following is the best method for reducing solution scope after requirements have been approved and baselined?
- A. Requirements prioritization
 - B. Conflict resolution
 - C. SWOT analysis
 - D. Problem management

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93. Raj has received signoff on his requirements and has communicated that all further changes will now be done as part of change control. Raj gets an email requesting a change. Raj compares the new requirement to the original, documents the new requirement, and puts it into change control. What is this called and what is the next logical step?
- A. Base lining, and the next step is to follow the internal company procedure for change control
 - B. Versioning, and the next step is to follow the internal company procedure for change control
 - C. This is the change control process
 - D. Comparing current and future state requirements, followed by change control
94. There are many tasks that the requirements engineer will perform in conjunction with submitting change requests for approval. Which of the following is *least* likely to be part of this task?
- A. Updating the architecture framework for the enterprise
 - B. Analyze and assess the impact of the change
 - C. Ensure each changed requirement is traceable back to its source
 - D. Define links to other requirements
95. As a requirements engineer for a company, you are to choose a tool for requirements management. In this context, which of the following statements is applicable?
- A. The tool has to support the artifacts demanded in the requirements and the engineering process applied
 - B. The choice of a tool should be left to the users of the tool
 - C. The choice of a tool is mostly determined by the flexibility of the definable attributes
 - D. The lowest cost tool should be chosen

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96. One of the basic properties of requirements management tools is the ability to edit the managed information. Which of the following *does not* belong in the editing of the managed information?
- A. Multi user accessibility
 - B. Hierarchical structuring
 - C. Access control
 - D. Configuration and version management
97. Which of the following is a specialized tool needed to trace large numbers of requirements?
- A. Configuration management
 - B. Traceability matrix
 - C. Coverage matrix
 - D. Requirements management
98. In order to support traceability between different models, the modeling tool must provide which of the following?
- A. A unique ID for each model element
 - B. Reports or summaries
 - C. Logical relationships between each model element
 - D. Hierarchical relationships
99. Which of the following views are best suited to evaluate the tool adequacy of an RE tool with regard to the scope of the defined milestones, and how the documents created by the tool pertain to the milestones?
- A. User view
 - B. Product view
 - C. Project view
 - D. Process view
100. Traceability between the selected products, the types and views of the supported documents, and the reports that can be generated are considered under which type of view?
- A. Project view
 - B. Technical view
 - C. Product view
 - D. Provider view