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Talha Sajid



1.. _____ diagram does not capture control flow information, it just shows the flow of the data in a system.

- a) Class
- b) Activity
- c) Data flow**
- d) Sequence

2. When a class gets physical existence in computer memory, it is called

- a) polymorphism
- b) Object**
- c) Static Object
- d) Parent Class

3. According to Caper Jones analysis of project activities, coding only has _____ affect part in software development.

- a) 36-40%
- b) 13-14%**
- c) 70-80%
- d) 50-60%

4. A _____ is not the real product but just a real looking mock-up of what would be eventually delivered.

- a) Program

- b) Software
- c) Testcase
- d) Prototype**

5. The criteria used to assess the quality of an architectural design should be based on system

- a) Data and control**
- b) Functionality
- c) Implementation details
- d) Accessibility and reliability

6. If Cat is derived from Mammal Class, and Mammal is derived from Animal Class, then:

- a) Cat will inherit Animal's functions and data
- b) Cat is allowed to access only the Mammal's Class
- c) Cat will not be able to access any class
- d) Cat will inherit Animal's functions and data**

7. The focus of sequence diagrams is:

- a) On static Model of system
- b) On object constraints
- c) On the flow of Control
- d) On objects/classes and messages exchanged among them**

8. Different messages in sequence diagrams includes:

- a) Simple
- b) Notify
- c) Asynchronous
- d) Both Simple and Asynchronous**

9. In the case of _____ approach, data is decomposed according to functionality requirements.

- a) Object-oriented
- b) Event-oriented
- c) Process-oriented
- d) Action- oriented**

10. The _____ provides the software engineer with a view of the system as a whole.

- a) Process Model
- b) Business model
- c) Architectural Model**
- d) Requirements Model

11. Modules with high cohesion and low coupling can be treated and analysed as

- a) White boxes
- b) black boxes**
- c) grey boxes
- d) none of these

12. ----- is a role that each actor plays in the system under consideration.

- a) An act
- b) A participant**
- c) A function
- d) None of the given

13. Any Engineering approach must be founded on organizational commitment to -----
-----.

- a) Cost
- b) Scheduling
- c) Quality**
- d) Performance

14. Normally a system is more easy to modify if its modules have

- a) High coupling and high cohesion
- b) High coupling and low cohesion
- c) Low coupling and high cohesion**
- d) Low coupling and Low cohesion

15. Which of the following is not among the four layers of the object-oriented pyramid?

- a) The subsystem layers
- b) The class and object layer
- c) The abstract layer**
- d) The message layers

16. System models include:

- a) User business processes
- b) User activities for conducting the business process
- c) Processes that need to be automated
- d) All of the given options**

17. ----- is concerned with decomposing the system into interacting sub-systems.

- a) System structuring**
- b) Control Modelling
- c) Molecular Decomposition
- d) None of the given

18. A use case represents:

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- a) A class, its attributes and operations
- b) An operation's interface and signature
- c) The role a user plays when interacting with the system**
- d) The system's functionality for a particular purpose

19. External entity may be:

- a) Source of input data only
- b) Source of input data and destination of results**
- c) Destination of results
- d) Repository of data

20. Coupling is a measure of ----- of a component.

- a) Independence**
- b) Dependence
- c) Aggregation
- d) Composition

21. Consider the following piece of code:

```
public class Square extends Shape {  
    // some code  
}
```

The above code is an example of

- a) Part-Whole relationship
- b) Generalization/ Specialization**
- c) Data Sharing
- d) Data encapsulation

22. UML is a language for _____

- a) Modeling and Design**

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- b) High-level Programming
- c) Creating diagrams only
- d) Low-level Programming

23. A _____ is a system component that provides services to other components but would not normally be considered as a separate system.

- a) Message
- b) Method
- c) Module**
- d) Relationship

24. A _____ relationship indicates that one entity is composed of one or more parts which are themselves instances of that or another entity.

- a) Whole -part**
- b) Inheritance
- c) Generalization
- d) Specialization

25. In sequence diagram, the objects are organized in a _____ line and the events in a _____ time line.

- a) Horizontal, vertical**
- b) Horizontal, straight
- c) Vertical, straight
- d) Vertical, horizontal

26. The method of dividing and assigning different portions of a large system to different groups for construction is called _____ .

- a) Work Basic Structure
- b) Work Breakdown System

c) Work Breakdown Structure

d) Working Boundary Structure

27. _____ pointed out the elegant conceptual integrity exhibited by layered organization of software systems, with the resulting gains in development and maintenance ease.

a) Barry Boehm

b) David Parnas

c) Edsger Dijkstra

d) Shaw and Garlan

28. Selecting Objects (in a domain) include:

a) Only Actors

b) Only Participants

c) Only Actors and Places

d) Actors. Participants and Places

29. How can we implement generalization in Object Oriented programming languages?

a) Abstraction

b) Inheritance

c) Polymorphism

d) Encapsulation

30. Collaboration diagram can show _____.

a) Binary messages

b) Asynchronous messages

c) Synchronous messages

a) a only

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- b) b only
- c) c only
- d) both b and c**

31. An arrow in data flow diagram represents:

- a) Direction of flow of data**
- b) Processing of data
- c) External agent
- d) Internal Agent

32. Which of the following is not supported by a maintainable design?

- a) Change
- b) Debugging
- c) Adding new features
- d) Higher maintenance cost**

33. ----- diagrams does not capture control flow information, it just shows the flow of data in a system.

- a) Sequence
- b) Data Flow**
- c) Activity
- d) Class

34. Normally a System will be more easy to modify if its modules have:

- a) High coupling and low cohesion
- b) High coupling and high cohesion
- c) Low coupling and high cohesion**
- d) Low coupling and Low cohesion

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35. In ----- the analyst determines the source of requirements and where do these requirements consume:

- a) Data flow analysis
- b) Source and sink analysis**
- c) Down parsing
- d) Up parsing

36. ----- is a role that each actor plays in the system under consideration.

- a) An act
- b) A participant**
- c) A function
- d) None of the given

37. Data cannot flow from one external entity to other external entity because:

- a) It will get corrupted
- b) It is not allowed in DFD**
- c) An external entity has no mechanism to read or write
- d) Both are outside the context of the system

38. Any Engineering approach must be founded on organizational commitment to -----.

- a) Cost
- b) Scheduling
- c) Quality**
- d) Performance

39. In the functional design, the structure of the system resolves around:

- a) Objects
- b) Properties
- c) Functions**

d) All of the given options

40. Return values in synchronous messages are:

- a) Compulsory
- b) May not used when response is obvious**
- c) Not used at all
- d) Represented by solid lines

41. ----- is one of the techniques to document domain knowledge

- a) State transition diagram**
- b) Feasibility matrix
- c) System matrix
- d) None of the given options

42. Which of the following is NOT among one of the four layers of the Object Oriented (OO) design pyramid

- a) The subsystem layers
- b) The class and object layer
- c) The abstract layer**
- d) The message layers

43. In case of ----- approach , decomposition of a problem revolves around data.

- a) Object-Oriented**
- b) Action-Oriented
- c) Event-Oriented
- d) Process-Oriented

44. System models include:

- a) User business processes

- b) User activities for conducting the business process
- c) Processes that need to be automated
- d) All of the given options**

45. The ----- relationship is a kind of a generalization specialization relationship:

- a) Bit-Byte
- b) Uses
- c) Binary
- d) Extends**

46. In the architecture trade-off analysis method the architectural style should be described using the

- a) module view and process view
- b) data Flow view and process view
- c) data Flow view and module view
- d) data Flow view , module view and process view**

47. Strong cohesion implies that:

- a) All parts of a component have a close logical relationship with each other**
- b) All parts of a component don't have a close relationship with each other
- c) Component is dynamic in nature
- d) Component is static in nature

48. A use case represents:

- a) A class, its attributes and operations
- b) An operation's interface and signature
- c) The role a user plays when interacting with the system**
- d) The system's functionality for a particular purpose

49. The intent of Object-Oriented Analysis(OOA) is to define:

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- a) All classes
- b) Relationships among classes
- c) Behaviour of classes
- d) All of the given options**

50. The process of utilizing our knowledge of computer science in effective production of software systems is called _____.

- a) Chemical Engineering
- b) Electrical Engineering
- c) Computer Engineering
- d) Software Engineering**

51. Requirement engineering focuses on ----- aspect of the software development process.

- a) Both what and how
- b) What**
- c) How
- d) Why and how

52. Coupling is a measure of _____ of a module or component.

- a) Independence**
- b) Dependence
- c) Aggregation
- d) Composition

53. ----- relationship is concerned with classes, not with class instantiates.

- a) Association
- b) Inheritance**
- c) Aggregation
- d) Composition

54. _____ diagrams does not capture control flow information, it just shows the flow of data in a system.

- a) Sequence
- b) Data Flow**
- c) Activity
- d) Class

55. The goal of ----- is to translate the customer's desire for a set of defined capabilities into a working product.

- a) Electrical engineering
- b) Product engineering**
- c) Hardware engineering
- d) Mechanical engineering

56. Data cannot flow from one external entity to other external entity because:

- a) It will get corrupted
- b) It is not allowed in DFD**
- c) An external entity has no mechanism to read or write
- d) Both are outside the context of the system

57. In case of _____ approach, decomposition of a problem revolves around data.

- a) Object-Oriented
- b) Action-Oriented Page 80 ok**
- c) Event-Oriented
- d) Process-Oriented

58. The intent of Object-Oriented Analysis(OOA) is to define:

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- a) All classes
- b) Relationships among classes
- c) Behavior of classes
- d) All of the given options**

59. Requirement engineering focuses on _____ aspect of the software development process.

- a) Both what and how
- b) What**
- c) How
- d) Why and how

60. The goal of _____ is to translate the customer's desire for a set of defined capabilities into a working product.

- a) Electrical engineering
- b) Product engineering**
- c) Hardware engineering
- d) Mechanical engineering

61. In case of a _____ message, the called routine that handles the message is completed before the caller resumes execution.

- a. Synchronous
- b. Asynchronous
- c. Bidirectional

- a) A only Page 108
- b) B only
- c) C only
- d) All of the given

62. "A car is made up of a body, three or four wheels, a steering mechanism, a breaking mechanism, and a power-engine" The above statement is example of:

- a) Whole-part relationship
- b) Inheritance
- c) Specialization
- d) Generalization

63. To help separate an object's external behavior from its implementation, the technique used is called _____.

- a) Generalization
- b) Association
- c) Composition
- d) Abstraction

64. Sequences of messages can be present in:

Use case diagram

Sequence diagram

Collaboration diagram

- a) a only
- b) b only
- c) c only
- d) b and c

65. Which of the following strategies lead to good software design:

- a) Separation of concerns
- b) Modularity
- c) Divide-and-conquer
- d) All of the given options

66. The first step in any OOA process model is to

- a) **Build an object-relationship model.**
- b) Define collaborations between objects.
- c) Elicit customer requirements
- d) Select a representation language

67. The _____ relationship is kind of a generalization specialization relationship.

- a) Bit-byte
- b) Uses
- c) Binary
- d) **Extends**

68. Regarding data flow model, which of the following statement(s) is true:

- a) It captures the transformation of data between processes/functions of a system
- b) **Processes on a data flow can operate in parallel**
- c) Only those processes are represented which we need to automate
- d) All of the given option

69. The architecture components for product engineering are

- a) **Data, hardware, software, people**
- b) Data, documentation, hardware, software
- c) Data, hardware, software, procedures
- d) Documentation, hardware, people, procedures

70. The goal of ----- is to translate the customer's desire for a set of defined capabilities into a

working product.

- a) Electrical engineering
- b) **Product engineering**
- c) Hardware engineering

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d) Mechanical engineering

71. The first step in any OOA process model is to

- a) **Build an object-relationship model.**
- b) Define collaborations between objects.
- c) Elicit customer requirements
- d) Select a representation language

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- a) Bit-byte
- b) Uses
- c) Binary
- d) **Extends**

73. The architecture components for product engineering are

- a) **Data, hardware, software, people**
- b) Data, documentation, hardware, software
- c) Data, hardware, software, procedures
- d) Documentation, hardware, people, procedures

74. In ----- phase of software development, requirement analyst focuses on possible design of the proposed solution.

- a) Maintenance
- b) Development
- c) **Definition**
- d) Vision

75. At which stage of software development loop, results are delivered?

- a) Problem definition

- b) Solution integration
- c) Technical development

d) Status quo

76. A DFD is normally levelled (adding more levels of abstraction) as

- a) It is a good idea in design
- b) It is recommended by many experts
- c) It is easy to do it

d) It is easier to read and understand a number of smaller DFDs than one large DFD

77. A structure is a manner of an organization which expresses a ----- strong organization within the problem domain.

a) Semantically

- b) Syntactically
- c) Graphically
- d) None of the given

78. To determine the architectural style or combination of styles that best fits the proposed system, requirements engineering is used to uncover

a) Algorithmic complexity

b) Characteristics and constraints

- c) Control and data
- d) Design patterns

79. Which statement is not according to the software engineering principles? Software engineering is a(n) _____

- a) Balancing act
- b) Disciplined approach
- c) Unsystematic approach**
- d) Quantifiable approach

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80. In Object Oriented Design, _____ layer contains the details that enable each object to communicate with its collaborators. Subsystem

- a) Responsibility
- b) Message**
- c) Object
- d) Subsystem

81. In sequence diagram, the boxes denote:

- a) Objects (or classes)**
- b) Messages, sent from one object to other
- c) Life-time of objects
- d) None of the given option

82. Requirement engineering mainly deals with the _____ of the system.

- A. Vision phase
- B. Definition phase**
- C. Development phase
- D. Maintenance phase

83. In UML based Object Oriented model of a system, a composition relation between two objects is shown by a _____ sign on the Whole side of a relation line.

- a) An unfilled diamond
- b) A filled diamond**
- c) A half diamond
- d) A dot

84. An architectural style encompasses which of the following elements?

- A. Semantic Models and Constraints
- B. Set of Components and Constraints

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C. Set of Components and Semantic Models

D. Constraints, Set of Components and Semantic Models

85. A maintainable design is a design, which supports

- a) Change
- b) Debugging
- c) Adding new features
- d) All of the given**

86. The system model template contains which of the following elements

- a) Input
- b) Out put
- c) System Out
- d) Input / Output**

87. _____ is concerned with decomposing a system into interacting sub-systems.

- a) System structuring
- b) Control Modelling
- c) Modular Decomposition**
- d) None of the given

88. In Abbot's Textual Analysis technique, different parts of speech are identified within the text of the specification and these parts are modeled using different _____ .

- a) Event
- b) Process
- c) Operations
- d) Components**

89. In object-oriented design, _____ layer contains the data structures and algorithmic design for all attributes and operations for each object.

- a) Subsystem
- b) Responsibility Google**
- c) Message
- d) Object

90. A process in data flow diagram (DFD) represents

- a) Flow of data
- b) Transformation of data**
- c) Storage of data
- d) An external agent

91. The process of defining attributes is called -----

- a) Who know me?
- b) What I know?**
- c) Whom I know?
- d) All of the above

92. Given below are some statements associated with data flow diagrams. Identify the correct statement among them.

- a) Data flow is made use of to model what systems do
- b) Flows of data can take place from a process to a sink
- c) Context diagrams shows the major system processes**
- d) All processes have to be labelled or decomposed

93. _____ requirements lead to ill-spent time and rework.

- a) Unacceptable
- b) Ambiguous**
- c) Dissatisfaction of customer

d) None of the above

94. Which type of diagram is used to depict the dynamic behaviour of a system.

- a) ERD diagram
- b) DFD diagram
- c) Class diagram
- d) Collaborations diagram**

95. Which of the following are the components of software engineering framework is combine the three remaining components?

- a) Process
- b) Method
- c) Tools**
- d) All of the above

96. State transition diagram is helpful in determining _____.

- a) Data store
- b) Process flow
- c) Business understanding**
- d) None of the above

97. Asynchronous messages are “signals,” denoted by _____.

- a) Full arrow**
- b) Half arrow
- c) <<create>>
- d) <<destroy>>

98. Context level diagram present in which of the following document.

- a) SRS-software requirement specification**

- b) Design document
- c) Test phase
- d) All of the above

99. The dotted lines in sequence diagram are called ____ .

- a) Life line**
- b) Message line
- c) Entities line
- d) All of the above

100. An object may create another object via a ____ message .

- a) Full arrow
- b) half arrow
- c) <<create>>**
- d) <<destroy>>

101. Software maintenance phase involves

- a) Debugging
- b) Adding new features
- c) Making changes
- d) All of the given**

102. Software architecture must address _____ requirements of a software system.

- a) Functional
- b) Non-functional
- c) User Interface Requirements
- d) Both functional and non-functional.**

103. The best way to conduct a requirements validation review is to

- a) Examine the system model for errors
- b) have the customer look over the requirements
- c) Send them to the design team and see if they have any concerns
- d) Use a checklist of the questions to examine each requirement**

104. In Data Flow Diagram, the entity or system, outside the boundary of this system is called:

- a) Process
- b) Data flow
- c) External agent**
- d) Data store

105. Specialization means:

- a) Calling the same method with the object of child object
- b) Hiding the data
- c) Creating new subclasses for an existing class**
- d) None of the given options

106. Software development is a step-by-step process, and in _____

phase of software development Business Objective of an organization gets cleared.

- a) Maintenance
- b) Development
- c) Definition
- d) Vision**

107. In _____ relationship, a class shares the structure and behavior defined in another class.

- a) Aggregation

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b) Composition

c) Inheritance

d) Uses

108. A change becomes _____ because of the close presence of data and functions

a) Accessible

b) Global

c) Private

d) Localized

109. An external entity that interacts with a system is called a(n):

a) Use case

b) Actor

c) Stakeholder

d) Association

110. The system specification describes the:

a) Function and behavior of a computer-based system

b) Implementation of each allocated system element

c) Algorithmic detail and data structures

d) Time required for system simulation

111. A “register” in “Point of Sale system” is an example of:

a) Actor

b) Participant

c) Tangible thing

d) Transaction

112. Synchronous messages are “call events” and are denoted by _____

- a) Full arrow
- b) Half arrow
- c) <<create>>
- d) <<destroy>>

113. _____ is real looking mock_up of what would be eventually delivered and might not do anything useful.

- a) Study of similar system
- b) Site visits
- c) Prototyping
- d) All of the above

114. What is the most crucial non-functional requirement of a system to control radiation dosages that are emitted as treatment for cancer?

- a) Security
- b) Reliability
- c) Easy usability
- d) Accuracy

115. In sequence diagram events are organized in a _____ time life line.

- a) Vertical Page 106
- b) Horizontal
- c) Both A and B
- d) All of the above

116. When we write a program for computer and then we named it as _____ .

- a) Data
- b) Information
- c) Software
- d) None of the given

117. An object or class may further be classified on the basis of _____ .

- a) Behaviour driven attributes
- b) Data driven attributes
- c) Responsibility driven attributes
- d) All of the above**

118. The dotted lines in sequence diagram are called ____ .

- a) Life line**
- b) Message line
- c) Entities line
- d) All of the above

119. Transactions are the _____ that must be remembered through time.

- a) Events**
- b) Action
- c) Triggers
- d) Methods

120. As per Peter Coad's methodology, which of the following may not be a perfect candidate for being an object?

- a) Zone
- b) Recipient
- c) Garage
- d) Password**

121. Control flow diagrams are

- a) Needed to model event driven systems.**
- b) required for all systems

- c) used in place of data flow diagrams
- d) useful for modelling user interfaces

122. A complex System evolves from a

- a) Smaller system**
- b) medium system
- c) bigger system
- d) none of the given

123. Which of these people would not be likely to part of the FAST team?

- a) hardware and software engineers
- b) manufacturing representative
- c) marketing representatives
- d) Senior financial officers**

124. System Architecture is important to consider because it helps in making -----

- a) Mutual communication.
- b) Early design decisions.
- c) Reusable abstraction of a system.
- d) All of the above**

125. Software architecture is "the ----- of the components of a program/system, their interrelationships, and principles and guidelines governing their design and evolution over time."

- a) combination
- b) collection
- c) structure**
- d) unification

126. Which one is not the purpose of Interaction Diagrams ?

- a) Model interactions between objects
- b) Assist in understanding how a system (a use case) actually works
- c) Identify responsibilities/operations and assign them to classes
- d) Identify dependencies among objects**

127. The scope description establishes the -----between the system we are developing and everything else in the universe

- a) Boundary**
- b) Balance
- c) Constraint
- d) None of the given

128. What would be the most suitable architecture to develop a commercial

- a) web page to do business
- b) transactions over the internet
- c) Client server model**
- d) Island model

129. Which view should be consider first during software requirements analysis?

- a) actor view
- b) data view
- c) essential view
- d) implementation view**

130. A cohesion class is one which emphasize -----unit of-----.

- a) Single and multiple.
- b) Multiple and functionality
- c) Functional and single
- d) Single and functional**

131. ----- gives OO the ability to handle essential

- a) **Decentralization**
- b) Centralization
- c) Decentralization and Centralization
- d) None of above

132. Asynchronous messages are denoted

- a) **Half Arrow**
- b) Simple Line
- c) Full Arrow
- d) None of above

133. The condition that must be met before the use case can be invoked, is called:

- a) Pre-Assertion
- b) Post-Assertion
- c) **Pre-condition**
- d) Post-Condition

134. A prototype is not the real product. It is rather just a real looking _____ of what would be eventually delivered and might not do anything useful.

- a) Ad-hoc
- b) Design
- c) **Mock-up**
- d) Structure

135. In a top-down system analysis, a/an _____ is required to develop high level view of the system at first.

- a) Tester
- b) Analyst**
- c) Designer
- d) Developer

136. Which one is not a part of Software Development phase ?

- a) Construction
- b) Project Vision
- c) Scope**
- d) Definition

137. System _____ are built to allow the System Engineer to evaluate the system components in relationship to one another.

- a) Models**
- b) Test cases
- c) Documents
- d) Requirements

138. Arranging information in _____ form makes it easy to read, understand and comprehend as compared to streams of text.

- a) Rows
- b) Tabular**
- c) Columns
- d) Paragraph

139. Which of the given component of software engineering framework provides different techniques that can be used to perform a particular task?

- a) Tools
- b) Methods**
- c) Processes

d) Quality Focus

140. Use case construction is a technique used for:

- a) Database design.
- b) User interface design.
- c) Requirements structuring.**
- d) Requirements determination.

141. In use case diagram, the scope of the system is defined by:

- a) Actor
- b) Entity
- c) Extends
- d) System Boundary**

142. In data flow diagram (DFD), Create, Update, Delete and Read operations are normally called:

- a) DURC operations
- b) CRUD operations**
- c) RUDC operations
- d) CDUR operations

143. Which of the following is not the object model principle?

- a) Exposure**
- b) Abstraction
- c) Encapsulation
- d) Hierarchy or inheritance

144. _____ of the total cost of the software development is spent on maintenance.

- a) Six third
- b) Two third**
- c) Four third
- d) Eight third

145. _____ is not the part of Peter Coad methodology.

- a) Select places
- b) Select actors
- c) Select actions**
- d) Select participants

146. In UML Object Model Notation _____

- a) Mathematical problems are visualized
- b) C++ language-specific programs are constructed
- c) Relationships among classes and sub-classes are expressed**
- d) Graphs and tables are used to explain Software Engineering principles

147. Data Flow Diagram (DFD), one data store cannot directly copy the data from another _____.

- a) Flow
- b) Agent
- c) Process
- d) Data store**

148. In Abbot's Textual Analysis technique, the proper noun (e.g. Mehdi Hassan) represents

- a) Class
- b) Instance**
- c) Inheritance
- d) Aggregation

149. In UML based Object Oriented model of a system, the association relation between two objects is depicted by _____.

- a) A straight line
- b) An arrowhead sign on one side of the line
- c) A filled diamond sign on the Whole side of the line
- d) An unfilled diamond sign on the Whole side of the line

150. A context diagram:

- a) is a detailed description of a system
- b) describes detailed design of a system
- c) is not used in drawing a detailed DFD
- d) is a DFD which gives an overview of the system

151. In UML based Object Oriented model of a system, the diamond sign is used to depict _____ relations between two objects/classes.

- a) Inheritance and Association
- b) Aggregation and Association
- c) Composition and Aggregation
- d) Composition, Aggregation and Association

152. Which elements of business processing engineering are the responsibilities of the software engineer?

- a) Product planning
- b) Business area analysis
- c) Business system design
- d) Information strategy planning

153. In sequence diagram, the solid lines depict:

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- a) Objects (or classes)
- b) Messages being sent from one object to the other**
- c) Life-time of objects
- d) None of the given option

154. Architectural design process involves performing a number of activities which includes system structuring, control modeling and _____ .

- a) Testing
- b) System Analysis
- c) Modular Decomposition**
- d) Graphical User Interface

155. Return values in Synchronous messages are represented by:

- a) A solid line
- b) Double line
- c) A solid line with label
- d) A dotted line with label**

156. A _____ can be used to describe the dynamic behaviour of an object-oriented system.

- a) ERD diagrams
- b) Inheritance diagrams
- c) Class diagrams
- d) Series diagrams**

157. A necessary supplement to transform or transaction mapping needed to create a complete

architectural design is

- a) Entity relationship diagrams
- b) The data dictionary
- c) Processing narratives for each module**

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d) Best cases for each module

Best of Luck

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