

# Certification SCEA for Java EE Study Guide

Author: Edward Biton

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## 4. Chapter: SCEA for Java EE Study Guide

### 1. SCEA for Java EE Study Guide Questions

#### 4.1.1. Which of the following is true about the requirements of a banking ...

Author: Edward Biton

Which of the following is true about the requirements of a banking system?

Please choose only one answer:

- The need for security is a classic example of a functional service level requirement, and a checking account rule is an example of a nonfunctional requirement.
- Security and the mandatory checking account both illustrate functional service level requirements.
- Neither security nor the mandatory checking account is an example of any kind of requirement, theoretically speaking.
- Security is an architectural nonfunctional requirement and the mandatory checking accounts a functional design requirement.
- They are both examples of business use cases.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following is true about the requirements of a banking system?](#)

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#### 4.1.2. Which of the following are nonfunctional requirements?

Author: Edward Biton

Which of the following are nonfunctional requirements?

Please choose only one answer:

- Scalability, availability, extensibility, manageability and security
- Performance, reliability, elaboration, transition, use cases and security
- Specification, elaboration, construction, transition, use cases and security
- Performance, availability, scalability and security
- Reliability, availability, scalability, manageability and security

Check the answer of this question online at QuizOver.com:

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#### 4.1.3. Which of the following is the most important item that should be co...

Author: Edward Biton

Which of the following is the most important item that should be considered when designing an application?

Please choose only one answer:

- Scalability
- Maintainability
- Reliability
- Meeting the needs of the customer
- Performance

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Edward Biton Which of the following is the most important item that should be considered when design](http://www.quizover.com/question/edward-biton-which-of-the-following-is-the-most-important-item-that-should-be-considered-when-design?pdf=1505)

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#### 4.1.4. Which of the following items is not one of the phases of the Unifie...

Author: Edward Biton

Which of the following items is not one of the phases of the Unified Process?

Please choose only one answer:

- Inception
- Design
- Construction
- Transition

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following items is not one of the phases of the Unified Process?](#)

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#### 4.1.5. What is true about a use case?

Author: Edward Biton

What is true about a use case?

Please choose all the answers that apply:

- It is a complete end-to-end business process that satisfies the needs of a user.
- It is a description that represents a complete unit of functionality provided by something as large as a system or as small as a class
- It defines the interaction of one or more roles along with their contents, associations, relationships and classes
- It is a collection of operations that represents a class or specifies a set of methods that must be implemented by the derived class.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton What is true about a use case?](#)

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#### 4.1.6. Which item is not true when speaking of a class?

Author: Edward Biton

Which item is not true when speaking of a class?

Please choose only one answer:

- A class is a non unique structure
- An instance is one computer executable copy of a class, also referred to as an object.
- Multiple instances of a particular class can exist in a computer's main memory at any given time.
- A class is a structure that defines the attribute data and the methods or functions operate on that data.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which item is not true when speaking of a class?](#)

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#### 4.1.7. What is not true about use cases?

Author: Edward Biton

What is not true about use cases?

Please choose all the answers that apply:

- There are three types of use cases: essential, real and virtual
- A virtual use case describes the user's virtual view of the problem and is technology independent.
- A real use case describes the process in terms of its real design and implementation.
- Essential use cases are of importance early in the project. Their purpose is to illustrate and document the business process.

Check the answer of this question online at QuizOver.com:

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#### 4.1.8. What is not true about a sequence diagram?

Author: Edward Biton

What is not true about a sequence diagram?

Please choose only one answer:

- It has tow dimensions.
- One sequence diagram dimension represents time.
- One sequence diagram dimension represents the different objects participating in a sequence of events required for a purpose.
- Sequence diagrams are static model views.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton What is not true about a sequence diagram?](#)

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#### 4.1.9. which item is not an example of things that a state diagram could e...

Author: Edward Biton

which item is not an example of things that a state diagram could effectively model?

Please choose only one answer:

- Life could be modeled: birth, puberty, adulthood, death.
- A computer system infrastructure.
- A banking transaction.
- A soccer match could be modeled: start, half time, injury time, end

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton which item is not an example of things that a state diagram could effectively model?](#)

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#### 4.1.10. What is not true about a collaboration diagram?

Author: Edward Biton

What is not true about a collaboration diagram?

Please choose only one answer:

- A collaboration diagram models interactions among objects, and objects interact by invoking messages on each other.
- A collaboration diagram groups together the interactions among different objects.
- The interactions in a collaboration diagram are listed as alphabetically collated letters that help to trace the sequence of the interactions.
- The collaboration diagram helps to identify all the possible interactions that each object has with other objects.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton What is not true about a collaboration diagram?](#)

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#### 4.1.11. What item is not true about a component?

Author: Edward Biton

What item is not true about a component?

Please choose only one answer:

- A component represents a modular and deployable system part. It encapsulates an implementation and exposes a set of interfaces.
- The component interfaces represent services provided by elements that reside on the component.
- A node may be deployed on a component.
- A component is shown as a rectangle with two smaller rectangles extending from its left side. A component type has a type name component-type.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton What item is not true about a component?](#)

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#### 4.1.12. Which item(s) is not part of a class in a UML class diagram?

Author: Edward Biton

Which item(s) is not part of a class in a UML class diagram?

Please choose only one answer:

- Name
- Attributes
- Method
- Comments

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which item\(s\) is not part of a class in a UML class diagram?](#)

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#### 4.1.13. Which item is not one of the three kinds of relationships a class d...

Author: Edward Biton

Which item is not one of the three kinds of relationships a class diagram can have?

Please choose only one answer:

- Association
- Aggregation
- Generalization
- Specialization

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which item is not one of the three kinds of relationships a class diagram can have?](#)

Flashcards:

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#### 4.1.14. In a class diagram, what does a line with an arrow from one class t...

Author: Edward Biton

In a class diagram, what does a line with an arrow from one class to another denote?

Please choose only one answer:

- Attribute visibility
- Class visibility
- Method visibility
- Global visibility

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton In a class diagram, what does a line with an arrow from one class to another denote?](#)

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#### 4.1.15. What is not a type of visibility between objects?

Author: Edward Biton

What is not a type of visibility between objects?

Please choose only one answer:

- Local
- Method
- Attribute
- Global

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton What is not a type of visibility between objects?](#)

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#### 4.1.16. Which statement is not true about state machine and state diagrams?

Author: Edward Biton

Which statement is not true about state machine and state diagrams?

Please choose only one answer:

- A state machine is basically a diagram of states and transitions that describes the response of an object of a given class to the receipt of external stimuli and is generally attached to a class or a method.
- The state diagram shows the sequences of states that an object passes through during its lifetime.
- A state diagram represents a state machine: a state being a condition during the life of an object or an interaction during which it satisfies some condition, performs some action, or waits for some event.
- State diagrams are used in situations for which all or most of the events represent the completion of internally generated actions (that is, procedural flow of control).

Check the answer of this question online at QuizOver.com:

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#### 4.1.17. Which of the following UML diagrams may be best suited for a busine...

Author: Edward Biton

Which of the following UML diagrams may be best suited for a business analyst?

Please choose only one answer:

- Deployment
- Class
- Use case
- Activity
- Collaboration

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Edward Biton Which of the following UML diagrams may be best suited for a business analyst?](http://www.quizover.com/question/edward-biton-which-of-the-following-uml-diagrams-may-be-best-suited-for-a-business-analyst?pdf=1505)

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#### 4.1.18. In a UML class diagram, Private, Protected and Public attributes ar...

Author: Edward Biton

In a UML class diagram, Private, Protected and Public attributes are shown by which one of the following set of symbols?

Please choose only one answer:

- -, +, #
- +, -, #
- #, -, +
- -, #, +
- +, #, -

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

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#### 4.1.19. Which of the following is not true about JEE containers?

Author: Edward Biton

Which of the following is not true about JEE containers?

Please choose only one answer:

- An EJB container manages the execution of all enterprise beans for a single JEE application. Enterprise beans and their accompanying containers run on the JEE server.
- A web container manages the execution of all JSP and servlet components for a single JEE application. Web components and their accompanying container run on the JEE server.
- An application client container manages the execution of all application client components for a single JEE application. Application clients and their accompanying containers run on the JEE server.
- An applet container is the web browser and Java plug-in combination that runs on the client machine.

Check the answer of this question online at QuizOver.com:

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#### 4.1.20. Which statement is not true when discussing the EJB tier?

Author: Edward Biton

Which statement is not true when discussing the EJB tier?

Please choose only one answer:

- The Enterprise JavaBeans (EJB) tier hosts the application specific business objects.
- The Enterprise JavaBeans (EJB) tier does not host system level services (such as transaction management, concurrency control and security) they are hosted on the EIS tier.
- The EJB tier is a link between the web tier and the EIS integration tier.
- The EJB tier hosts the entity beans and session beans, data access objects and value objects, and perhaps master-detail modeling using enterprise beans.

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#### 4.1.21. Which of the following is not true when put in the context of JEE t...

Author: Edward Biton

Which of the following is not true when put in the context of JEE transaction processing?

Please choose only one answer:

- A compensating transaction is a transaction, or group of operations, used to undo the effect of a previously committed transaction.
- When choosing a transaction attribute, use Required for the default transaction attribute.
- When choosing a transaction attribute, use RequiresNew when the bean methods need to commit unconditionally.
- When using a compensating transaction, it is always possible to undo the effect of a committed transaction.

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#### 4.1.22. JEE uses the core patterns to enable flexible association of EJB cl...

Author: Edward Biton

JEE uses the core patterns to enable flexible association of EJB classes with other components. Which of the following is not used by JEE?

Please choose only one answer:

- Proxy
- Decorator
- Designer
- Factory

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Edward Biton JEE uses the core patterns to enable flexible association of EJB classes with other com](http://www.quizover.com/question/edward-biton-jee-uses-the-core-patterns-to-enable-flexible-association-of-ejb-classes-with-other-com)

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#### 4.1.23. Which statement is not true when discussing best practices?

Author: Edward Biton

Which statement is not true when discussing best practices?

Please choose only one answer:

- Data access objects are a useful best practice, as they encapsulate access to data and maintain a clean separation of bean and database access code.
- A session bean facade provides a simple, single point of entry to shared entity beans.
- A session bean facade does not shield the client from complex entity bean relationships and manages workflow on a clients behalf.
- A session bean facade avoids the problems associated with access to entity beans from the client layer - namely overabundance of network traffic and latency and awkward security management.

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Question: [Edward Biton Which statement is not true when discussing best practices?](#)

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#### 4.1.24. Which of the following cases would an application not necessarily b...

Author: Edward Biton

Which of the following cases would an application not necessarily benefit from the use of Enterprise JavaBeans?

Please choose all the answers that apply:

- Small scale deployment
- Large scale deployment
- Requirements transaction in nature
- No transaction requirements

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following cases would an application not necessarily benefit from the use](#)

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#### 4.1.25. the JEE platform uses a multi-tiered distributed application model;...

Author: Edward Biton

the JEE platform uses a multi-tiered distributed application model; which of the following is not considered a tier in this architecture?

Please choose only one answer:

- Client tier
- Web tier
- Enterprise Information System (EIS) tier
- Security tier

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Edward Biton the JEE platform uses a multi-tiered distributed application model; which of the follow](http://www.quizover.com/question/edward-biton-the-jee-platform-uses-a-multi-tiered-distributed-application-model-which-of-the-follow?pdf=1505)

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#### 4.1.26. Which of the following are "best practices" for large distributed s...

Author: Edward Biton

Which of the following are "best practices" for large distributed systems?

Please choose all the answers that apply:

- Avoid business logic implementation in the display code; display inconsistencies can result because the logic can be copied and modified in one object and not another.
- Coding data manipulation logic, format and display code, and use event handling together can make application maintenance simple
- Facilitate reuse of user interfaces by segregating application logic from the code for an existing interface.
- Utilizing the MVC design pattern results in a separation of the application data from the ways that the data can be accessed or viewed as well as from the mapping between system events (such as user interface events) and application behaviors.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following are "best practices" for large distributed systems?](#)

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#### 4.1.27. Which of the following are not benefits of using the MVC best pract...

Author: Edward Biton

Which of the following are not benefits of using the MVC best practice?

Please choose all the answers that apply:

- Clarifies application design through separation of data modeling issues from data display and user interaction
- Enhances reusability by separating application functionality from presentation
- Facilitates maintenance by encapsulating application functions behind trusted APIs
- Simplifies database design because only the View components access the database.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following are not benefits of using the MVC best practice?](#)

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#### 4.1.28. Which of the following is not true of using the MVC best practice?

Author: Edward Biton

Which of the following is not true of using the MVC best practice?

Please choose only one answer:

- The Model in an MVC based application can be divided into two parts: the internal state of the system and the actions that can be taken to alter that state.
- The Controller portion of the application focuses on receiving requests from the client (Most often a user running a web browser), deciding what business logic function is to be performed, and delegating responsibility for producing the next phase of the user interface appropriate View component.
- The Model determines how the results should be displayed.
- The view transfers user input to the Controller.

Check the answer of this question online at QuizOver.com:

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#### 4.1.29. Which of the following are not components of the MVC?

Author: Edward Biton

Which of the following are not components of the MVC?

Please choose all the answers that apply:

- Model
- Calculator
- View
- Controller

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following are not components of the MVC?](#)

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#### 4.1.30. Which of the following is not true of the MVC?

Author: Edward Biton

Which of the following is not true of the MVC?

Please choose only one answer:

- The View extrapolates data presentation and responds to users with data.
- The Controller extrapolates the user interaction/application semantic map and transforms user actions into application actions.
- The Model manages persistence.
- The Controller maintains the application state.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following is not true of the MVC?](#)

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#### 4.1.31. Which of the following is not typically considered a thread to ente...

Author: Edward Biton

Which of the following is not typically considered a thread to enterprise-critical assets?

Please choose only one answer:

- The disclosure of confidential information.
- The modification or destruction of information
- The misappropriation of protected resources
- A misappropriation that does not compromise availability

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following is not typically considered a thread to enterprise-critical asse](#)

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#### 4.1.32. Which of the following are not true about screen scrapers?

Author: Edward Biton

Which of the following are not true about screen scrapers?

Please choose all the answers that apply:

- Screen scrapers function as terminal emulators on one end and as object interfaces on the other
- Screen scraping may be useful tool when used in conjunction with the off-board servers.
- Changes to legacy UI have little or no impact on the new GUI.
- Screen scraping is best used when the legacy clients have loose coupling with other tiers.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following are not true about screen scrapers?](#)

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#### 4.1.33. If the telephone company were to rewrite its existing legacy code u...

Author: Edward Biton

If the telephone company were to rewrite its existing legacy code using newer JEE technology, what technology would you choose to accommodate both the block purchase and the individual query?

Please choose only one answer:

- Java Applet technology for the CORBA call and custom socket programming for vanity number requests
- Java Servlet API for the CORBA call and JSP for the custom socket programming
- Entity EJBs for both
- Session EJBs for both
- JNDI for both

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton If the telephone company were to rewrite its existing legacy code using newer JEE techn](#)

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#### 4.1.34. Your company's web site offers the customers price comparisons on a...

Author: Edward Biton

Your company's web site offers the customers price comparisons on a variety of different products. You are in charge of converting the web-based solution over the appropriate JEE technology. Which of the following should you use?

Please choose only one answer:

- JSP and Servlets
- JSP, Servlets and EJBs
- Applets and EJBs,
- No need to change it
- Perl/CGI scripts is the best solution

Check the answer of this question online at QuizOver.com:

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#### 4.1.35. Regarding the JEE EIS integration, which of the following statement...

Author: Edward Biton

Regarding the JEE EIS integration, which of the following statements is not true?

Please choose only one answer:

- Before the JEE Connector architecture was defined, no specification for the Java platform addressed the problem of providing a standard architecture for integrating heterogeneous EISs.
- The JEE Connector architecture provides a Java solution to the problem of connectivity between the many application servers and only new EISs, not those already in existence.
- Application server vendors who conform to the JEE Connector architecture do not need to add custom code whenever they want to add connectivity to a new EIS.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Regarding the JEE EIS integration, which of the following statements is not true?](#)

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#### 4.1.36. Regarding the JEE EIS integration contracts, which of the following...

Author: Edward Biton

Regarding the JEE EIS integration contracts, which of the following statements is not true?

Please choose only one answer:

- A Connection Management contract allows an application server to pool connections to an underlying EIS.
- A Transaction Management contract lets an application server use a transaction manager to manage transactions across multiple resource managers.
- A Security Contract provides support for a secure application environment, which reduces security threats to the EIS and protects valuable information resources managed by the EIS.
- A Transaction Management contract does not support transactions that are managed internal to an EIS resource manager without the necessity of involving an external transaction manager.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Regarding the JEE EIS integration contracts, which of the following statements is not t](#)

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#### 4.1.37. Which of the following is not true about enterprise applications an...

Author: Edward Biton

Which of the following is not true about enterprise applications and integration?

Please choose only one answer:

- Data integration focuses on integrating existing data with enterprise applications. For example, an integration might entail integration a web based order management system with an existing order and customer database.
- Legacy integration involves integrating new enterprise applications with applications and EISs that have been in operation for some time, often referred to as an enterprise's legacy systems.
- Application integration occurs when existing enterprise applications may be off-the-shelf bundled applications or they may be developed in-house.
- Enterprise application development is about building an enterprise application from scratch.

Check the answer of this question online at QuizOver.com:

Question: [Edward Biton Which of the following is not true about enterprise applications and integration?](#)

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