

Certification SCEA Java Architect

SCEA Mock

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1. SCEA Java Architect

- Object-oriented design concepts
- Architecture Principles
- Integration Protocols and Messaging
- Security in the Java EE Platform
- Web Tier Technologies
- Business tier technologies

4. Chapter: Object-oriented design concepts

1. Object-oriented design concepts Questions

4.1.1. What does cohesion mean?

Author: Yasser Ibrahim

What does cohesion mean?

Please choose only one answer:

- cohesion is a measure of how the methods of a class or a module are meaningfully and strongly related and how focused they are in providing a well-defined purpose
- cohesion is a measure of how the attributes of a class or a module are hidden from other classes and resticly accessed through only public accessors
- cohesion is a measure of how a class or a module is dependent on another class or module
- cohesion is a measure of how the methods within a class are dependent on each other

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

Question: [what does cohesion mean?](#)

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<http://www.quizover.com/question/what-does-cohesion-mean?pdf=1505>

4.1.2. What does encapsulation mean?

Author: JavaChamp Team

What does encapsulation mean?

Please choose all the answers that apply:

- Encapsulation is a measure of how a class or a module is dependent on another class or module
- Encapsulation means hiding the attributes of a class by marking them private and restrict accessing them through public methods
- Encapsulation means hiding the constructors of a class by marking them private and enable constructing objects through one public method
- Encapsulation means hiding the internal implementation and representation of an object and provide to the outer world only an interface of public methods to access the object

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

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4.1.3. What are the pros of a high cohesive class?

Author: JavaChamp Team

What are the pros of a high cohesive class?

Please choose all the answers that apply:

- you can read easily a high cohesive class and understand its purpose and role in the system
- testing and maintaining a high cohesive class will be easier
- subtypes of a high cohesive won't need to override most of the methods
- other classes, which use a high cohesive class, don't need to know the implementation details of this class
- small high cohesive classes can be reused by other modules without the need to overhead these modules with extra unrelated functions

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

Question: [what are the pros of a high cohesive class?](#)

Flashcards:

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4.1.4. What are the pros of encapsulation?

Author: JavaChamp Team

What are the pros of encapsulation?

Please choose all the answers that apply:

- avoid code duplicity
- prevent any inappropriate modification of an object's attributes
- other classes, which use a well encapsulated class, won't need to know the implementation details of this class
- subtypes of a well-encapsulated class won't need to override most of the inherited methods
- modifications to the implementation of the class, won't affect how other classes use the class, as long the interface between them kept unchanged

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

Question: [what are the pros of encapsulation?](#)

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4.1.5. What is true about coupling between classes?

Author: JavaChamp Team

What is true about coupling between classes?

Please choose all the answers that apply:

- coupling can be only found between a subtype and its super type
- coupling means how a method in a class can be affected and require modification due to a modification in another class
- coupling is the degree to which classes depend on each other
- coupling is the degree to which methods in the same class depend on each other

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

Question: [what does coupling mean?](#)

Flashcards:

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4.1.6. Which of the following class inheritance scenarios describes polymo...

Author: JavaChamp Team

Which of the following class inheritance scenarios describes polymorphism in Java?

Please choose all the answers that apply:

- one class inherits from multiple parent classes
- one class implementing many interfaces
- multiple classes implementing one interface
- multiple classes inherit from single abstract parent class

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

Question: [java polymorphism](#)

Flashcards:

<http://www.quizover.com/flashcards/java-polymorphism?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-polymorphism?pdf=1505>

4.1.7. You are writing a class which is responsible for withdrawing and de...

Author: JavaChamp Team

You are writing a class which is responsible for withdrawing and depositing into user's bank account. You marked some methods "public", which are the allowed actions the user can invoke. While marking the others along with the data members "private".

You also while writing the class made sure that this class will only focus on its main purpose (bank transactions) and not to include any irrelevant methods.

Which two design principles are you following?

Please choose all the answers that apply:

- Coupling
- Encapsulation
- Cohesion
- Polymorphism
- Abstraction
- Inheritance

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

Question: [class cohesion](#)

Flashcards:

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4. Chapter: Architecture Principles

1. Architecture Principles Questions

4.1.1. What is considered a nonfunctional requirement of a system? Choose ...

Author: JavaChamp Team

What is considered a nonfunctional requirement of a system? Choose all what apply

Please choose all the answers that apply:

- Availability
- Compatibility
- Reliability
- Performance
- Cost

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

Question: [nonfunctional requirements of a system architecture](#)

Flashcards:

<http://www.quizover.com/flashcards/nonfunctional-requirements-of-a-system-architecture?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/nonfunctional-requirements-of-a-system-architecture?pdf=1505>

4.1.2. What is a true statement or a definition for Architecture?

Author: JavaChamp Team

What is a true statement or a definition for Architecture?

Please choose all the answers that apply:

- Architecture refers to implementation details of a system components
- Architecture is a high level representation of a system
- Architecture covers only the nonfunctional requirements of a system, leaving the functional requirements covered later by the developers
- An architecture of a reconfigurable/flexible system should shout out the purpose, the nature or the customer-service the system provides
- An architecture of a system abstracts its components and their behavior

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

Question: [definition of architecture](#)

Flashcards:

<http://www.quizover.com/flashcards/definition-of-architecture?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/definition-of-architecture?pdf=1505>

4.1.3. What does UML stand for and used for?

Author: JavaChamp Team

What does UML stand for and used for?

Please choose all the answers that apply:

- UML stands for Unified Markup Language and used to write an architecture requirements in a standard form
- UML stands for Unified Modeling Language and used to graphically represent a business process
- UML stands for Unified Modeling Language and used to graphically represent an architecture
- UML stands for Unidirectional Modeling Language and used to graphically represent an architecture

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

Question: [what is uml](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-uml?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-uml?pdf=1505>

4.1.4. What are the differences or similarities between architecture and d...

Author: JavaChamp Team

What are the differences or similarities between architecture and design?

Please choose all the answers that apply:

- Both are of the same high-level of abstraction
- Architecture is of higher level of abstraction
- Architecture concerns only about the nonfunctional requirements of a system (scalability,security...), whereas design concerns about the functionality required by a system
- In the design process, the system components internal details are elaborated based on the architecture
- Architecture and design are synonyms for the same task

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

Question: [enterprise software architecture vs design](#)

Flashcards:

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4.1.5. Let say that you are in the requirements gathering/analysis phase f...

Author: JavaChamp Team

Let say that you are in the requirements gathering/analysis phase for developing a web-based pet shop, what is considered a typical task in this phase ?

Please choose all the answers that apply:

- You ask the clients what functionality should the website provide to its customers
- You ask the clients how the web interface should look like in style and colors
- Technical Information like hardware used would be gathered
- Study whether the client requirements are possible to implement

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

Question: [requirements gathering and analysis phase in software development](#)

Flashcards:

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4.1.6. What is the output of requirements analysis phase in software devel...

Author: JavaChamp Team

What is the output of requirements analysis phase in software development?

Please choose only one answer:

- Domain models
- Detailed cost study
- Architecture of the system

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

Question: [output of requirements analysis phase in software development](#)

Flashcards:

<http://www.quizover.com/flashcards/output-of-requirements-analysis-phase-in-software-development?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/output-of-requirements-analysis-phase-in-software-development?pdf=1505>

4.1.7. which is a true statement?

Author: JavaChamp Team

which is a true statement?

Please choose all the answers that apply:

- a thick client provides rich functionality independently of the server
- an applet is considered a thin client
- HTML and JavaScript are considered thin clients
- A thick client requires more request/response cycles to a server than a thin client

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

Question: [thick client and thin client](#)

Flashcards:

<http://www.quizover.com/flashcards/thick-client-and-thin-client?pdf=1505>

Interactive Question:

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4.1.8. what does "Surface Area" term in architecture terminology mean?

Author: JavaChamp Team

what does "Surface Area" term in architecture terminology mean?

Please choose only one answer:

- Surface area is a measure of how small or big a class is
- Surface area is a measure of how small or big a subsystem is
- Surface area describes how much methods of a class are exposed or publicly provided to other classes

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

Question: [surface area in software architecture terminology](#)

Flashcards:

<http://www.quizover.com/flashcards/surface-area-in-software-architecture-terminology?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/surface-area-in-software-architecture-terminology?pdf=1505>

4.1.9. What does Brittleness mean in Architecture Terminology?

Author: JavaChamp Team

What does Brittleness mean in Architecture Terminology?

Please choose only one answer:

- Brittleness means how vulnerable a system is to outside attacks
- Brittleness means how a small change in a part of a system requires a propagation of changes across the system
- Brittleness means how ready a system is to a sudden increase in the number of the visitors or users

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

Question: [what does brittleness mean in enterprise architecture terminology](#)

Flashcards:

<http://www.quizover.com/flashcards/what-does-brittleness-mean-in-enterprise-architecture-terminology?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-does-brittleness-mean-in-enterprise-architecture-terminology?pdf=1505>

4.1.10. Which is a true statement? choose all what apply

Author: JavaChamp Team

Which is a true statement? choose all what apply

Please choose all the answers that apply:

- In Bidirectional-layered systems, the interaction between layers is always initiated by the higher layer
- Uni-directional Layering is also referred as strict layering
- In Uni-directional Layering, the services are flowing from lower to upper layers
- In unidirectional-layered systems, an entity at layer N can only interact with entities at layers N+1 and N-1 and no other layers

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

Question: [bidirectional layering and unidirectional layering in a system](#)

Flashcards:

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Interactive Question:

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4.1.11. The software architect role must fulfill the following:

Author: Yasser Ibrahim

The software architect role must fulfill the following:

Please choose all the answers that apply:

- deploy the software artifacts into the application server.
- define the nonfunctional requirements such as the security, scalability, etc..
- choose the software design patterns and write java code.
- administer the enterprise resources like databases, legacy applications
- plan the software functional requirements

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

Question: [what is the software architect role](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-software-architect-role?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-the-software-architect-role?pdf=1505>

4.1.12. In the Model-View-Controller (MVC) architecture,

Author: JavaChamp Team

In the Model-View-Controller (MVC) architecture,

Please choose all the answers that apply:

- A view renders to the client the contents of a particular part of the application data
- A view is responsible for fetching data directly from the data source
- A controller is the business logic, it responds to user actions
- A system can have multiple views for the same model
- The controller decides which view to display

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

Question: [model-view-controller \(mvc\) architecture or pattern](#)

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Interactive Question:

<http://www.quizover.com/question/modelviewcontroller-mvc-architecture-or-pattern?pdf=1505>

4.1.13. What does an EJB container do?

Author: JavaChamp Team

What does an EJB container do?

Please choose all the answers that apply:

- It creates servlet instances
- It manages transactions
- It automatically synchronizes data in an entity bean's instance with corresponding data items in database
- It maintains pools of enterprise bean instances ready for incoming requests
- It creates and manages request and response objects

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

Question: [what does an ejb container do](#)

Flashcards:

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Interactive Question:

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4.1.14. What does a web container do?

Author: JavaChamp Team

What does a web container do?

Please choose all the answers that apply:

- It provide runtime support for responding to client requests
- It manages transactions
- It manages servlets
- It maintains pools of enterprise bean instances ready for incoming requests

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

Question: [what does a web container do](#)

Flashcards:

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Interactive Question:

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4.1.15. What may an EAR (An Enterprise ARchive) file contain?

Author: JavaChamp Team

What may an EAR (An Enterprise ARchive) file contain?

Please choose all the answers that apply:

- A Web module (.war file)
- An Enterprise Java Bean module (.jar file)
- Java applets
- Deployment descriptors (xml files)
- Stand-alone desktop java application client
- EJB container

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

Question: [what does ear file contain](#)

Flashcards:

<http://www.quizover.com/flashcards/what-does-ear-file-contain?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-does-ear-file-contain?pdf=1505>

4.1.16. Which of the following is a true statement? choose all what apply

Author: JavaChamp Team

Which of the following is a true statement? choose all what apply

Please choose all the answers that apply:

- JNDI is used to organize and locate resources like email or database resources,EJB instances,etc..
- JNDI provides naming and directory functionality to applications written in heterogenous diverse languages
- Java distributed programming systems (for example EJB) rely on JNDI

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

Question: [what does jndi do in java](#)

Flashcards:

<http://www.quizover.com/flashcards/what-does-jndi-do-in-java?pdf=1505>

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<http://www.quizover.com/question/what-does-jndi-do-in-java?pdf=1505>

4.1.17. Consider the following scenario,
you would like to make two applic...

Author: JavaChamp Team

Consider the following scenario,

you would like to make two applications written in two different languages (one in java) to communicate with each other, what protocol would be appropriate in this case?

Please choose all the answers that apply:

- RMI
- Web services
- CORBA
- DCOM

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

Question: [heterogeneous computing environments communication protocol](#)

Flashcards:

<http://www.quizover.com/flashcards/heterogeneous-computing-environments-communication-protocol?pdf=1505>

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4.1.18. User interface and business tiers can conduct communications using ...

Author: JavaChamp Team

User interface and business tiers can conduct communications using which of the following protocols or APIs:

Please choose all the answers that apply:

- HTTP
- RMI
- JDBC
- DCOM

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

Question: [tier-to-tier communication protocols](#)

Flashcards:

<http://www.quizover.com/flashcards/tiertotier-communication-protocols?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/tiertotier-communication-protocols?pdf=1505>

4.1.19. Which protocol is best suited to conduct communication between two ...

Author: JavaChamp Team

Which protocol is best suited to conduct communication between two applications, both written in java, but one runs in windows OS while the other in Linux OS? Choose all that apply

Please choose all the answers that apply:

- RMI
- CORBA
- DCOM

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

Question: [inter-system communication protocols for different operating system](#)

Flashcards:

<http://www.quizover.com/flashcards/intersystem-communication-protocols-for-different-operating-system?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/intersystem-communication-protocols-for-different-operating-system?pdf=1505>

4.1.20. DCOM (Distributed Component Object Model) fits well with which OS ...

Author: JavaChamp Team

DCOM (Distributed Component Object Model) fits well with which OS deployment platform?

Please choose only one answer:

- Linux
- Apple Macintosh
- Windows
- AS400

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

Question: [distributed component object model](#)

Flashcards:

<http://www.quizover.com/flashcards/distributed-component-object-model?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/distributed-component-object-model?pdf=1505>

4.1.21. Which of the following tasks is classified as nonfunctional require...

Author: Yasser Ibrahim

Which of the following tasks is classified as nonfunctional requirement:

Please choose only one answer:

- Define user interface
- System Performance
- Define user roles and rights

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

Question: [software architecture nonfunctional requirements](#)

Flashcards:

<http://www.quizover.com/flashcards/software-architecture-nonfunctional-requirements?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/software-architecture-nonfunctional-requirements?pdf=1505>

4.1.22. As a software architect, what does your client consider as a decisi...

Author: Yasser Ibrahim

As a software architect, what does your client consider as a decisive acceptance criteria for a new architecture:

Please choose only one answer:

- The developed system response time is less than 1 second
- The system covers 100% of the client functional requirements
- The system is available 24/7

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

Question: [software architecture acceptance criteria](#)

Flashcards:

<http://www.quizover.com/flashcards/software-architecture-acceptance-criteria?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/software-architecture-acceptance-criteria?pdf=1505>

4.1.23. The software designer task is to:

Author: Yasser Ibrahim

The software designer task is to:

Please choose only one answer:

- Define the network topology
- Design the software application main building blocks and assign functionality to each subsystem
- Create a technical object model based on the domain model and the business use cases for each application subsystem

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

Question: [enterprise software designer task](#)

Flashcards:

<http://www.quizover.com/flashcards/enterprise-software-designer-task?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/enterprise-software-designer-task?pdf=1505>

4.1.24. You have been contracted to architect a brand new enterprise Java w...

Author: JavaChamp Team

You have been contracted to architect a brand new enterprise Java web-based accounting application for a major retail store in your country.

The users are the sales persons accessing the system from 500 outlets from all over the country using standard web-browsers and mobile devices.

The accounting information will be saved in a relational data bank.

The data integrity and consistency is of essence, you have to make sure that all sales transactions are intact.

Which technology stack would you use?

Please choose only one answer:

- Java Servlets and JDBC
- JSF, EJB3 and JPA
- JSP, DAO and JDBC
- JSF and JPA

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

Question: [when to use java enterprise bean ejb3?](#)

Flashcards:

<http://www.quizover.com/flashcards/when-to-use-java-enterprise-bean-ejb3?pdf=1505>

Interactive Question:

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4.1.25. What is TRUE about HttpSession clustered replication?

Author: JavaChamp Team

What is TRUE about HttpSession clustered replication?

Please choose all the answers that apply:

- HttpSession clustered replication means redundant storing of the attributes of a HttpSession on nodes of a cluster
- HttpSession clustered replication means divide storing the attributes of a heavy HttpSession on nodes of a cluster
- It increases the application's availability
- It decreases the application's fault-tolerance
- It may impact performance

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

Question: [how to httpsession clustered replication?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-httpsession-clustered-replication?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-httpsession-clustered-replication?pdf=1505>

4.1.26. What is the difference between active and passive replication?

Author: JavaChamp Team

What is the difference between active and passive replication?

Please choose all the answers that apply:

- They both provide fault tolerance
- In passive replication each client request is processed by all the replicas
- In active replication each client request is processed by all the replicas
- In passive replication there is only one primary server that processes client requests , where the remaining replicas work as back ups
- In passive replication before the back up is made from the primary server to the other replicas, the primary server sends the response to the client
- In active replication all the servers send a response to the client, but the client waits for the first response and ignore the rest since they are all identical

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

Question: [what is passive replication?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-passive-replication?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-passive-replication?pdf=1505>

4.1.27. You have been contacted by a company who has just launched a new e-...

Author: Yasser Ibrahim

You have been contacted by a company who has just launched a new e-commerce web application based on enterprise java technology. The head of IT operations complained to you that the application performs poorly even under moderate load. Knowing that the application is hosted on a modern server with multi-core processors and enough memory.

What would be your suggestion?

Please choose only one answer:

- Add more processors and memory to the host server (vertical scaling)
- Add more servers beside the main one and introduce load balancing (horizontal scaling)
- Use a profiler to hunt for performance bottlenecks and possible memory leaks or multi-threading deadlocks
- Change the hosting service provider

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

Question: [enterprise java performance problems troubleshooting](#)

Flashcards:

<http://www.quizover.com/flashcards/enterprise-java-performance-problems-troubleshooting?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/enterprise-java-performance-problems-troubleshooting?pdf=1505>

4.1.28. You noticed that your banking enterprise application is not scaling...

Author: JavaChamp Team

You noticed that your banking enterprise application is not scaling gracefully during peak time load. So you are planning to scale your infrastructure horizontally by investing your allocated budget in 3 additional web servers and 2 application servers. What could be the possible drawback of your decision?

Please choose only one answer:

- your system will become less manageable
- the overall performance will drop dramatically
- the system availability will decrease proportionally
- it will make it harder for future code refactoring

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

Question: [horizontal scalability](#)

Flashcards:

<http://www.quizover.com/flashcards/horizontal-scalability?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/horizontal-scalability?pdf=1505>

4.1.29. Your application is deployed using one application server. Consider...

Author: JavaChamp Team

Your application is deployed using one application server. Considerable amount of your content is static (.css, images, .html pages, etc..). You decided to move all static content to a web server, leaving the application server serving the dynamic requests.

What is NOT true about such action?

Please choose only one answer:

- Performance may be positively improved
- This action is called vertical scaling
- This may require a new machine to install the web server
- This is considered a separation of concerns (SoC) process
- The static content will not be part of the EAR files, hence it's change won't require a new EAR deployment

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

Question: [separation of concerns](#)

Flashcards:

<http://www.quizover.com/flashcards/separation-of-concerns?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/separation-of-concerns?pdf=1505>

4.1.30. What is NOT true about Two-Tier Architecture?

Author: JavaChamp Team

What is NOT true about Two-Tier Architecture?

Please choose only one answer:

- is also known as Client–server model
- each client requires its own connection session
- it has poor scalability
- better security than n-tier since data flow is restricted between only 2 tiers
- is manageable

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

Question: [two tier architecture disadvantages](#)

Flashcards:

<http://www.quizover.com/flashcards/two-tier-architecture-disadvantages?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/two-tier-architecture-disadvantages?pdf=1505>

4. Chapter: Integration Protocols and Messaging

1. Integration Protocols and Messaging Questions

4.1.1. A provider of a web service is usually :

Author: JavaChamp Team

A provider of a web service is usually :

Please choose only one answer:

- another local business component in the application
- a remote business component in another application
- a entity (data component) in another application

Check the answer of this question online at QuizOver.com:
Question: [when to use web service?](#)

Flashcards:
<http://www.quizover.com/flashcards/when-to-use-web-service?pdf=1505>

Interactive Question:
<http://www.quizover.com/question/when-to-use-web-service?pdf=1505>

4.1.2. What is a Webservice ?

Author: JavaChamp Team

What is a Webservice ?

Please choose only one answer:

- A Webservice is a part of your business logic exposed to other distributed applications to get benefit of
- A Webservice is a collection of downloadable web components in you application, being available for other distributed applications
- A Webservice is a protocol used to enable components of the business tier and components of the presentation tier to exchange messages asynchronously

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

Question: [what is a webservice ?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-a-webservice?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-a-webservice?pdf=1505>

4.1.3. The requester and the provider of the a web service must be impleme...

Author: JavaChamp Team

The requester and the provider of the a web service must be implemented using the same technology (for example only Java to Java)

Is this statement correct?

Please choose only one answer:

- The statement is correct
- The statement is incorrect

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

Question: [who can use web services?](#)

Flashcards:

<http://www.quizover.com/flashcards/who-can-use-web-services?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/who-can-use-web-services?pdf=1505>

4.1.4. Which technology is Simple Object Access Protocol (SOAP) strongly a...

Author: JavaChamp Team

Which technology is Simple Object Access Protocol (SOAP) strongly associated with?

Please choose only one answer:

- Java Messaging Services (JMS)
- Java Connectivity Architecture (JCA)
- WebServices
- CORBA

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

Question: [what is simple object access protocol \(soap\)?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-simple-object-access-protocol-soap-10a82?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-simple-object-access-protocol-soap-10a82?pdf=1505>

4.1.5. What is TRUE about Simple Object Access Protocol (SOAP) ?

Author: JavaChamp Team

What is TRUE about Simple Object Access Protocol (SOAP) ?

Please choose all the answers that apply:

- SOAP is a protocol used in conjunction with web services technology
- SOAP outlines and defines the specifications used to describe a web service to its requester
- A SOAP message is formatted in XML
- SOAP is platform dependent

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

Question: [what is simple object access protocol \(soap\)?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-simple-object-access-protocol-soap-10a83?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-simple-object-access-protocol-soap-10a83?pdf=1505>

4.1.6. It is a directory that can be used by businesses worldwide to publi...

Author: JavaChamp Team

It is a directory that can be used by businesses worldwide to publish or discover web services.

Please choose only one answer:

- Web Services Description Language (WSDL)
- Simple Object Access Protocol (SOAP)
- Java Naming and Directory Interface (JNDI)
- Universal Description, Discovery and Integration (UDDI)

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

Question: [what is universal description, discovery and integration \(uddi\)?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-universal-description-discovery-and-integration-uddi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-universal-description-discovery-and-integration-uddi?pdf=1505>

4.1.7. What is considered FALSE about a WSDL document ? (WSDL: Web Service...

Author: JavaChamp Team

What is considered FALSE about a WSDL document ? (WSDL: Web Services Description Language)

Please choose only one answer:

- WSDL is often used in combination with SOAP and an XML Schema to provide web services over the Internet
- A WSDL document provides the clients with some necessary information about the web service
- A WSDL document is written in XML
- The requester of a web service writes a WSDL document that includes the data necessary to communicate with the service
- This WSDL document can be published in public or private registry

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

Question: [what is web services description language \(wsdl\)?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-web-services-description-language-wsdl?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-web-services-description-language-wsdl?pdf=1505>

4.1.8. You would like to transmit SOAP messages between your web service e...

Author: JavaChamp Team

You would like to transmit SOAP messages between your web service endpoint and clients in a more secure way by encrypting the body content of the SOAP messages.

Which WebServices specifications would you probably use?

Please choose only one answer:

- WS-Encryption
- WS-Security
- WS-Atomic Transaction
- WS-Coordination

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

Question: [when to use ws-security?](#)

Flashcards:

<http://www.quizover.com/flashcards/when-to-use-wssecurity?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/when-to-use-wssecurity?pdf=1505>

4.1.9. Which security concerns can WS-Security specifications address?

Author: JavaChamp Team

Which security concerns can WS-Security specifications address?

Please choose all the answers that apply:

- ensure that the sender of the SOAP message cannot repudiate
- hide the content of the SOAP message from the non involved parties
- prevent IP address spoofing
- prevent denial of service

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

Question: [which security concerns can webservice-security specifications cover?](#)

Flashcards:

<http://www.quizover.com/flashcards/which-security-concerns-can-webservicessecurity-specifications-cover?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-security-concerns-can-webservicessecurity-specifications-cover?pdf=1505>

4.1.10. Which security concerns can WS-Security specifications address?

Author: JavaChamp Team

Which security concerns can WS-Security specifications address?

Please choose all the answers that apply:

- ensure that the SOAP message has not been tampered with after it was sent
- prevent buffer overflow attack
- ensure that the sender of the SOAP message is the valid expected sender of this message
- ensure a reliable SOAP message delivery

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

Question: [what does webservice security provide?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-does-webservice-security-provide?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-does-webservice-security-provide?pdf=1505>

4.1.11. What is NOT TRUE about JAX-WS?

Author: JavaChamp Team

What is NOT TRUE about JAX-WS?

Please choose only one answer:

- JAX-WS is the successor of JAX-RPC
- Only message-oriented web services can be developed using JAX-WS, where RPC-oriented web services are no more an option
- JAX-WS is the primary Java API to create XML-based web services
- JAX-WS uses annotations, like @WebService or @WebMethod, to simplify the development of web services

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

Question: [what is jax ws?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-jax-ws?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-jax-ws?pdf=1505>

4.1.12. What does Java Architecture for XML Binding (JAXB) used for?

Author: JavaChamp Team

What does Java Architecture for XML Binding (JAXB) used for?

Please choose only one answer:

- use JAXB to send XML SOAP messages to web service endpoints
- use JAXB to map your java object representations in your code to XML documents and vice versa
- use JAXB to write web services
- use JAXB to bind between XML SOAP messages and JMS messages

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

Question: [what does java architecture for xml binding \(jaxb\) used for?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-does-java-architecture-for-xml-binding-jaxb-used-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-does-java-architecture-for-xml-binding-jaxb-used-for?pdf=1505>

4.1.13. You are responsible of connecting your company Java EE application ...

Author: JavaChamp Team

You are responsible of connecting your company Java EE application to a relational database.

Which technology should you start with first to test its applicability to the task?

Please choose only one answer:

- JDBC-ODBC bridge
- JDBC
- Java Connector Architecture (JCA)
- Web services

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

Question: [when to use jdbc?](#)

Flashcards:

<http://www.quizover.com/flashcards/when-to-use-jdbc?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/when-to-use-jdbc?pdf=1505>

4.1.14. In which scenario would you probably use CORBA?

Author: JavaChamp Team

In which scenario would you probably use CORBA?

Please choose only one answer:

- A stateless bean would like to invoke a method in another stateless bean in a remote application
- A C++ application would like to invoke a method in a java application
- A Java EE application would like to connect to a database
- A Java EE application would like to expose some of its functionality as web services

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

Question: [when to use corba?](#)

Flashcards:

<http://www.quizover.com/flashcards/when-to-use-corba?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/when-to-use-corba?pdf=1505>

4.1.15. What is Remote Procedure Call (RPC) used for?

Author: JavaChamp Team

What is Remote Procedure Call (RPC) used for?

Please choose only one answer:

- RPC is used to enable a stateless session bean to communicate with a stateful session bean in the same application residing in the same computer
- RPC is used to enable a program to request from another program in another computer, but in the same network, to execute a specified procedure
- RPC is used to asynchronously and remotely exchange messages between heterogeneous programs
- A RPC is a part of your business logic exposed to other distributed applications to get benefit of

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

Question: [what is remote procedure call \(rpc\) used for?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-remote-procedure-call-rpc-used-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-remote-procedure-call-rpc-used-for?pdf=1505>

4.1.16. What is JDBC used for?

Author: JavaChamp Team

What is JDBC used for?

Please choose all the answers that apply:

- to connect your Java application to a relational database
- to provide an interface to Java programmers to be able to query and update data in a database
- to enable a C++ application to invoke methods in a Java application
- to enable asynchronous and remote exchange of messages between Java programs

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

Question: [what is jdbc used for?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-jdbc-used-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-jdbc-used-for?pdf=1505>

4.1.17. What solution does Java EE Connector Architecture (JCA) provide?

Author: JavaChamp Team

What solution does Java EE Connector Architecture (JCA) provide?

Please choose only one answer:

- JCA enables a Java to Java integration
- JCA provides a solution to enable connectivity between Java EE-compliant application servers and enterprise information systems (EIS) already in existence
- JCA provides a solution to enable asynchronous and remote exchange of messages between Java EE applications

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

Question: [what is java ee connector architecture \(jca\) used for?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-java-ee-connector-architecture-jca-used-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-java-ee-connector-architecture-jca-used-for?pdf=1505>

4.1.18. Which non-functional characteristics (system-level contracts) does ...

Author: JavaChamp Team

Which non-functional characteristics (system-level contracts) does JCA define for connecting a Java EE-compliant application server to an EIS?

Please choose all the answers that apply:

- Backup contract
- Security contract
- Transaction contract
- Availability contract
- Scalability contract

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

Question: [jca transaction inflow contracts](#)

Flashcards:

<http://www.quizover.com/flashcards/jca-transaction-inflow-contracts?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jca-transaction-inflow-contracts?pdf=1505>

4.1.19. Which system contracts were added to JCA 1.5 and don't exist in JCA...

Author: JavaChamp Team

Which system contracts were added to JCA 1.5 and don't exist in JCA 1.0?

Please choose all the answers that apply:

- Security contract
- Life Cycle Management
- Transaction contract
- Work Management Contracts
- Message Inflow

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

Question: [which system contracts were added to jca 1.5?](#)

Flashcards:

<http://www.quizover.com/flashcards/which-system-contracts-were-added-to-jca-15?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-system-contracts-were-added-to-jca-15?pdf=1505>

4.1.20. Which is TRUE about the system contracts defined by JCA for connect...

Author: JavaChamp Team

Which is TRUE about the system contracts defined by JCA for connectivity between Java EE-compliant application servers and EISs?

Please choose all the answers that apply:

- The "security contract" provides a prior authentication process before connecting to the EIS
- The resource adapter can submit work to the application server according to the "Transaction contract"
- The "connection contract" describes how the application server and the resource adapter manage, establish, pool and terminate their connections.
- The "transaction contract" describes how the application server and the resource adapter manage, establish, pool and terminate their connections.

Check the answer of this question online at QuizOver.com:
Question: [system contracts in java ee connector architecture \(jca\)?](#)

Flashcards:

<http://www.quizover.com/flashcards/system-contracts-in-java-ee-connector-architecture-jca?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/system-contracts-in-java-ee-connector-architecture-jca?pdf=1505>

4.1.21. Which design pattern is applied on Java Remote Method Invocation (R...

Author: JavaChamp Team

Which design pattern is applied on Java Remote Method Invocation (RMI)?

Please choose only one answer:

- State
- Proxy
- Template Method
- Flyweight

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

Question: [which design pattern is applied on java remote method invocation \(rmi\)?](#)

Flashcards:

<http://www.quizover.com/flashcards/which-design-pattern-is-applied-on-java-remote-method-invocation-rmi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-design-pattern-is-applied-on-java-remote-method-invocation-rmi?pdf=1505>

4.1.22. What is not TRUE about Java Remote Method Invocation (RMI)?

Author: JavaChamp Team

What is not TRUE about Java Remote Method Invocation (RMI)?

Please choose only one answer:

- RMI is used to integrate heterogeneous applications
- RMI uses Java object serialization to pass objects
- The Proxy design pattern is applied on RMI
- RMI implementation uses stub and skeleton objects

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

Question: [what does java remote method invocation \(rmi\) do?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-does-java-remote-method-invocation-rmi-do?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-does-java-remote-method-invocation-rmi-do?pdf=1505>

4.1.23. What is TRUE about Java Native Interface (JNI)?

Author: JavaChamp Team

What is TRUE about Java Native Interface (JNI)?

Please choose all the answers that apply:

- JNI is used by Java developers to add to their Java application platform-specific functionality that is not supported by standard Java class library
- JNI is used by Java developers to enable their Java application direct access to native databases
- A JNI native method is written in Java and compiled using a Java compiler
- JNI can be used to access legacy systems

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

Question: [java jni api](#)

Flashcards:

<http://www.quizover.com/flashcards/java-jni-api?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-jni-api?pdf=1505>

4.1.24. It is a set of interfaces defined by Java Connector Architecture (J...

Author: JavaChamp Team

It is a set of interfaces defined by Java Connector Architecture (JCA) used to provide an interaction mean between clients and EIS?

Please choose only one answer:

- Transaction contract
- Interaction contract
- Common Client Interface (CCI)
- Message Inflow

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

Question: [when to use common client interface \(cci\)?](#)

Flashcards:

<http://www.quizover.com/flashcards/when-to-use-common-client-interface-cci?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/when-to-use-common-client-interface-cci?pdf=1505>

4.1.25. Your job is to develop SOAP based and RESTful Java Web services for...

Author: JavaChamp Team

Your job is to develop SOAP based and RESTful Java Web services for your company enterprise application, which of the following technology should you use?

Please choose only one answer:

- JAX-RPC
- JAX-WS
- JMS
- CORBA

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

Question: [what is jax-ws soap?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-jaxws-soap?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-jaxws-soap?pdf=1505>

4.1.26. What is Java API for XML Registries (JAXR) used for?

Author: JavaChamp Team

What is Java API for XML Registries (JAXR) used for?

Please choose only one answer:

- to write XML web services
- to write code used to enable XML document exchange between XML-based databases
- to search for webservices or publish your webservices in an ebXML Registry or in a UDDI Registry

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

Question: [what is java api for xml registries \(jaxr\) used for?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-java-api-for-xml-registries-jaxr-used-for?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-java-api-for-xml-registries-jaxr-used-for?pdf=1505>

4.1.27. You have written a web service used to convert American metrics int...

Author: JavaChamp Team

You have written a web service used to convert American metrics into standard ones, and you would like to make this service publicly available. What should you do?

Please choose only one answer:

- You can publish your web service using JAX-WS in a UDDI
- You can publish your web service using JAXR in a UDDI
- You can publish your web service using JAXB in a UDDI

Check the answer of this question online at QuizOver.com:
Question: [when to use jaxr?](#)

Flashcards:
<http://www.quizover.com/flashcards/when-to-use-jaxr?pdf=1505>

Interactive Question:
<http://www.quizover.com/question/when-to-use-jaxr?pdf=1505>

4.1.28. In the web services world, the REST (REpresentational State Transfe...

Author: Yasser Ibrahim

In the web services world, the REST (REpresentational State Transfer) is:

Please choose only one answer:

- A protocol
- A software architectural paradigm
- A standard API

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

Question: [restful web service](#)

Flashcards:

<http://www.quizover.com/flashcards/restful-web-service?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/restful-web-service?pdf=1505>

4.1.29. In a RESTful web service, you would use the HTTP methods as verbs t...

Author: Yasser Ibrahim

In a RESTful web service, you would use the HTTP methods as verbs to invoke the CRUD action (create, read, update, and delete)

Which of the following is true:

Please choose all the answers that apply:

- to read use HTTP get method
- to delete use HTTP delete method
- to create use HTTP post method
- to update use HTTP put method

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

Question: [restful web services http methods](#)

Flashcards:

<http://www.quizover.com/flashcards/restful-web-services-http-methods?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/restful-web-services-http-methods?pdf=1505>

4.1.30. Your company is planning to expose some of its services in a form o...

Author: Yasser Ibrahim

Your company is planning to expose some of its services in a form of web services.

The targeted business class clients are mainly on the road and using their mobile phones to conduct their business .

The new enterprise application is a Java EE web based application, and the web services are mainly stateless.

which type of web services (RESTful or SOAP) would you use in this case?

Please choose only one answer:

- SOAP 1.1
- SOAP 1.2
- RESTful

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

Question: [when to use restful web seviles?](#)

Flashcards:

<http://www.quizover.com/flashcards/when-to-use-restful-web-seviles?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/when-to-use-restful-web-seviles?pdf=1505>

4.1.31. When is it most appropriate to architect your enterprise java appli...

Author: Yasser Ibrahim

When is it most appropriate to architect your enterprise java application using SOAP protocol web services over RESTful?

Please choose all the answers that apply:

- when client-server communication bandwidth is limited
- when the web service interface must be predefined in a concrete contract
- when a web based application utilizes AJAX components which consume the web service
- when asynchronous invocation is required

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

Question: [when to use soap web services?](#)

Flashcards:

<http://www.quizover.com/flashcards/when-to-use-soap-web-services?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/when-to-use-soap-web-services?pdf=1505>

4.1.32. Can JPA entities be tested outside the EJB container?

Author: JavaChamp Team

Can JPA entities be tested outside the EJB container?

Please choose only one answer:

- Yes
- No

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

Question: [jpa unit testing](#)

Flashcards:

<http://www.quizover.com/flashcards/jpa-unit-testing?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jpa-unit-testing?pdf=1505>

4.1.33. Which of the following components can NOT be tested outside of the ...

Author: JavaChamp Team

Which of the following components can NOT be tested outside of the EJB container?

Please choose all the answers that apply:

- EJB 2 Entity beans
- EJB3 entities (JPA)
- EJB 3 stateful session beans
- EJB 3 stateless session beans

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

Question: [junit ejb testing](#)

Flashcards:

<http://www.quizover.com/flashcards/junit-ejb-testing?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/junit-ejb-testing?pdf=1505>

4.1.34. Not all parts of the standard SOAP message are mandatory. The two r...

Author: JavaChamp Team

Not all parts of the standard SOAP message are mandatory. The two required parts of a SOAP message are:

Please choose all the answers that apply:

- an envelope
- a Header element
- a Body element
- a destination url element

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

Question: [body element soap message](#)

Flashcards:

<http://www.quizover.com/flashcards/body-element-soap-message?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/body-element-soap-message?pdf=1505>

4.1.35. Your application is contacting a web service which approves suffici...

Author: JavaChamp Team

Your application is contacting a web service which approves sufficient bank balance for users.

But for checking the bank balance, the web service requires authentication information from the user (a username and password).

Where in the SOAP message being sent to the Web Service, would these authentication information be placed?

Please choose only one answer:

- in the envelope
- in the message body
- in the message header
- in the fault element

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

Question: [soap authentication java example](#)

Flashcards:

<http://www.quizover.com/flashcards/soap-authentication-java-example?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/soap-authentication-java-example?pdf=1505>

4.1.36. What is NOT true about StAX?

Author: JavaChamp Team

What is NOT true about StAX?

Please choose all the answers that apply:

- it is used to process XML documents
- it is a "document object model" programming model
- it is a "document streaming" programming model
- it is a "pull" parser
- it is a "push" parser
- it is a member of "JAXP APIs" family

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

Question: [stax api java](#)

Flashcards:

<http://www.quizover.com/flashcards/stax-api-java?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/stax-api-java?pdf=1505>

4.1.37. Can stateless session beans be tested outside the EJB container?

Author: JavaChamp Team

Can stateless session beans be tested outside the EJB container?

Please choose only one answer:

- Yes
- No

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

Question: [stateless session beans unit testing](#)

Flashcards:

<http://www.quizover.com/flashcards/stateless-session-beans-unit-testing?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/stateless-session-beans-unit-testing?pdf=1505>

4. Chapter: Security in the Java EE Platform

1. Security in the Java EE Platform Questions

4.1.1. What does Authentication mean?

Author: JavaChamp Team

What does Authentication mean?

Please choose only one answer:

- It means granting a logged-in user access to her private profile page
- It means making sure that the username and password provided by the user are correct and match what saved in the system database
- It means making sure that any change done by the user in her profile is saved in a log file
- It means rolling back any unpermitted change in other users data

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

Question: [define java authentication](#)

Flashcards:

<http://www.quizover.com/flashcards/define-java-authentication?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/define-java-authentication?pdf=1505>

4.1.2. What does Authorization mean?

Author: JavaChamp Team

What does Authorization mean?

Please choose only one answer:

- It means rolling back any unpermitted change in other users data
- It means making sure that any change done by the user in her profile is saved in a log file
- It means making sure that the username and password provided by the user are correct and match what saved in the system database
- It means granting a logged-in user access to her private profile page

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

Question: [java authorization definition](#)

Flashcards:

<http://www.quizover.com/flashcards/java-authorization-definition?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-authorization-definition?pdf=1505>

4.1.3. Two end points are exchanging messages, the recipient detects a tam...

Author: JavaChamp Team

Two end points are exchanging messages, the recipient detects a tampering in the message after it has been sent and refuses to accept the message. Which security aspect is applied in this case?

Please choose only one answer:

- Non-repudiation
- Data integrity
- Data Privacy
- Authentication

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

Question: [java data integrity definition](#)

Flashcards:

<http://www.quizover.com/flashcards/java-data-integrity-definition?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-data-integrity-definition?pdf=1505>

4.1.4. Only Tom Hanks can view and update his private profile in JavaChamp...

Author: JavaChamp Team

Only Tom Hanks can view and update his private profile in JavaChamp.com website. Which security aspects are applied in this case?

Please choose all the answers that apply:

- Non-repudiation
- Authorization
- Confidentiality or Data Privacy
- Auditing

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

Question: [data privacy example](#)

Flashcards:

<http://www.quizover.com/flashcards/data-privacy-example?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/data-privacy-example?pdf=1505>

4.1.5. An e-commerce online company wants to make sure that no one made a ...

Author: JavaChamp Team

An e-commerce online company wants to make sure that no one made a purchase via its website can later deny this transaction. Which security aspect is applied in this case?

Please choose only one answer:

- Authentication
- Data integrity
- Non-repudiation
- Authorization

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

Question: [security non-repudiation scenario](#)

Flashcards:

<http://www.quizover.com/flashcards/security-nonrepudiation-scenario?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/security-nonrepudiation-scenario?pdf=1505>

4.1.6. What is TRUE about HTTPS protocol?

Author: JavaChamp Team

What is TRUE about HTTPS protocol?

Please choose all the answers that apply:

- HTTPS works in conjunction with Secure Sockets Layer (SSL) protocol
- HTTPS uses TCP Port 80 by default
- HTTPS grants a 100% secure data transfer from Point A to Point B
- A web server, accepting HTTPS connections, must own a public key certificate
- HTTPS is faster than HTTP

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

Question: [public key certificate authentication](#)

Flashcards:

<http://www.quizover.com/flashcards/public-key-certificate-authentication?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/public-key-certificate-authentication?pdf=1505>

4.1.7. What are the security measures granted by the java run time sand box?

Author: Yasser Ibrahim

What are the security measures granted by the java run time sand box?

Please choose all the answers that apply:

- Principal authentication
- Byte code verification
- Non-repudiation of user actions
- Automatic memory management

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

Question: [java memory management](#)

Flashcards:

<http://www.quizover.com/flashcards/java-memory-management?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-memory-management?pdf=1505>

4.1.8. As a java architect; what are the security benefits you get out of ...

Author: Yasser Ibrahim

As a java architect; what are the security benefits you get out of the java run time sand box?

Please choose all the answers that apply:

- Session hijacking protection
- Network sniffing protection
- Secure class loading
- Strong data typing

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

Question: [java run time security](#)

Flashcards:

<http://www.quizover.com/flashcards/java-run-time-security?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-run-time-security?pdf=1505>

4.1.9. It is a collection of users or groups, who will be treated the same...

Author: JavaChamp Team

It is a collection of users or groups, who will be treated the same in regards to authentication and security restrictions

Please choose only one answer:

- A role
- A realm
- A user
- A principal

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

Question: [security principal](#)

Flashcards:

<http://www.quizover.com/flashcards/security-principal?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/security-principal?pdf=1505>

4.1.10. What is NOT true about a digital certificate?

Author: JavaChamp Team

What is NOT true about a digital certificate?

Please choose only one answer:

- It is a digital document that represents an identity (a website)
- It is used for parties authentication
- It is signed by a trusted certificate authority
- It is used with Https connections
- It doesn't depend on encryption rather obfuscation
- It is signed by its owner

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

Question: [digital certificates signatures](#)

Flashcards:

<http://www.quizover.com/flashcards/digital-certificates-signatures?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/digital-certificates-signatures?pdf=1505>

4.1.11. Which methods can be used to restrict method invocations in your EJ...

Author: JavaChamp Team

Which methods can be used to restrict method invocations in your EJBs to specific roles?

Please choose all the answers that apply:

- `getUserPrincipal()`
- `getCallerPrincipal()`
- `isUserInRole()`
- `isCallerInRole()`

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

Question: [iscallerinrole example](#)

Flashcards:

<http://www.quizover.com/flashcards/iscallerinrole-example?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/iscallerinrole-example?pdf=1505>

4.1.12. Your EJB class is annotated with @PermitAll annotation, what does t...

Author: JavaChamp Team

Your EJB class is annotated with @PermitAll annotation, what does this mean?

Please choose only one answer:

- It means that all all accessible class methods are permitted to expose themselves as web services
- It means that all all accessible class methods are eligible for overriding
- It mean that all security roles are permitted to execute all accessible class methods
- It mean that this class can be extended by the any EJB container

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

Question: [ejb security context](#)

Flashcards:

<http://www.quizover.com/flashcards/ejb-security-context?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/ejb-security-context?pdf=1505>

4.1.13. Which annotations can be used to specify EJB method permissions?

Author: JavaChamp Team

Which annotations can be used to specify EJB method permissions?

Please choose all the answers that apply:

- @RolesAllowed("Role1, Role2,..")
- @AllowAll
- @PermitAll
- @DenyAll
- @RejectAll

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

Question: [rolesallowed example](#)

Flashcards:

<http://www.quizover.com/flashcards/rolesallowed-example?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/rolesallowed-example?pdf=1505>

4.1.14. As a software architect, which security goals for Java EE applicati...

Author: Yasser Ibrahim

As a software architect, which security goals for Java EE applications you should achieve?

Please choose all the answers that apply:

- secure the application against social hacking threats
- authenticate the application users identities
- physically securing the server machines against thieves
- guarantee the users' can't repudiate their actions

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

Question: [non repudiation security](#)

Flashcards:

<http://www.quizover.com/flashcards/non-repudiation-security?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/non-repudiation-security?pdf=1505>

4.1.15. As a software architect, which security goals for Java EE applicati...

Author: Yasser Ibrahim

As a software architect, which security goals for Java EE applications you should achieve?

Please choose all the answers that apply:

- guarantee that the application data has not been manipulated by an illegal party
- make certain that the application resources are accessed only by the users with the right credentials
- make sure that the application will scale up gracefully with the increase of the traffic load
- ensure that the user will not grant an unauthorized access to the application to a third party

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

Question: [enterprise architect responsibilities](#)

Flashcards:

<http://www.quizover.com/flashcards/enterprise-architect-responsibilities?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/enterprise-architect-responsibilities?pdf=1505>

4.1.16. What does JAAS Java Authentication and Authorization Service provides?

Author: Yasser Ibrahim

What does JAAS Java Authentication and Authorization Service provides?

Please choose all the answers that apply:

- JAAS is used to establish a principal representation and a associated credentials
- JAAS prevents network sniffing attacks
- JAAS guarantees secure java class loading
- enable integrating security services as pluggable modules

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

Question: [jaas login module](#)

Flashcards:

<http://www.quizover.com/flashcards/jaas-login-module?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jaas-login-module?pdf=1505>

4.1.17. You were trying to access a secure resource on a web server and the...

Author: Yasser Ibrahim

You were trying to access a secure resource on a web server and the browser responded by a standard dialog box prompting for your credentials (user ID and password).

Which authentication method is possibly configured on the server?

Please choose all the answers that apply:

- http BASIC
- http DIGEST
- http CLIENT-CERT
- http FORM

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

Question: [http authentication java](#)

Flashcards:

<http://www.quizover.com/flashcards/http-authentication-java?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/http-authentication-java?pdf=1505>

4.1.18. What's true about JEE security model?

Author: Yasser Ibrahim

What's true about JEE security model?

Please choose all the answers that apply:

- A principal has credentials
- A role is a set of principals
- A realm is a set of users and groups
- A role may have zero or more permissions

Check the answer of this question online at QuizOver.com:
Question: [jee security model](#)

Flashcards:
<http://www.quizover.com/flashcards/jee-security-model?pdf=1505>

Interactive Question:
<http://www.quizover.com/question/jee-security-model?pdf=1505>

4.1.19. Which methods can be used to restrict method invocations in your we...

Author: Yasser Ibrahim

Which methods can be used to restrict method invocations in your web application to specific roles?

Please choose all the answers that apply:

- `getUserPrincipal()`
- `isUserInRole()`
- `getCallerPrincipal()`
- `isCallerInRole()`

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

Question: [isuserinrole servlet](#)

Flashcards:

<http://www.quizover.com/flashcards/isuserinrole-servlet?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/isuserinrole-servlet?pdf=1505>

4.1.20. As a software architect, how can you protect your enterprise java a...

Author: Yasser Ibrahim

As a software architect, how can you protect your enterprise java application server against Cross-site Scripting (XSS) security threats?

Please choose all the answers that apply:

- treat all user input as untrusted Data representing a potential security threat
- encrypt all communication between the user browser and your web server using secure SSL channel
- Escape all user input data to ensure that characters are treated as raw data, not as HTML markup language tags
- enable bandwidth throttling in your hardware infrastructure

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

Question: [cross site scripting injection](#)

Flashcards:

<http://www.quizover.com/flashcards/cross-site-scripting-injection?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/cross-site-scripting-injection?pdf=1505>

4.1.21. As an software architect how to protect your enterprise java applic...

Author: Yasser Ibrahim

As an software architect how to protect your enterprise java application server against SQL Injection security threats?

Please choose all the answers that apply:

- favor the use of of prepared statements (parameterized queries)
- favor the use of the native queries statements
- proactively escape all the user supplied input using the interceptor filter design pattern
- minimize the privileges assigned to the database account used to connect to your java application server

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

Question: [java sql injection example](#)

Flashcards:

<http://www.quizover.com/flashcards/java-sql-injection-example?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-sql-injection-example?pdf=1505>

4.1.22. As an software architect how to protect your enterprise java applic...

Author: Yasser Ibrahim

As an software architect how to protect your enterprise java application server against Session hijacking security threats?

Please choose all the answers that apply:

- encrypt all communication between the user browser and your web server using secure SSL channel
- proactively escape all the user supplied input using the interceptor filter design pattern
- use Captcha challenge-response test used to ensure that the request is originated by a human not an attacking program
- proactively force user session to expire after a short period of inactivity if the user didn't end his or her session using the log out action

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

Question: [session hijacking security threats](#)

Flashcards:

<http://www.quizover.com/flashcards/session-hijacking-security-threats?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/session-hijacking-security-threats?pdf=1505>

4.1.23. As an software architect how to protect your enterprise java applic...

Author: Yasser Ibrahim

As an software architect how to protect your enterprise java application server against password cracking security threats?

Please choose all the answers that apply:

- use Captcha challenge-response test used to ensure that the request is originated by a human not an attacking program
- block the user account for a while after the system encounters 3 unsuccessful log-in attempts.
- permanently block any future connection requests from the hacker IP address
- enforce an organization wide password security rules that mixes chars, digits and symbols

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

Question: [password cracking times](#)

Flashcards:

<http://www.quizover.com/flashcards/password-cracking-times?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/password-cracking-times?pdf=1505>

4.1.24. What is the role of Java Security Manager (JSM)?

Author: Yasser Ibrahim

What is the role of Java Security Manager (JSM)?

Please choose all the answers that apply:

- The JSM controls the program access to the local file system
- The JSM controls the program creation of Swing user interface components
- The JSM monitors the program memory allocation activities
- The JSM restrains the socket connections established by java programs

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

Question: [java security manager policy file](#)

Flashcards:

<http://www.quizover.com/flashcards/java-security-manager-policy-file?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-security-manager-policy-file?pdf=1505>

4.1.25. What are the security restrictions that Java run time sand box impo...

Author: Yasser Ibrahim

What are the security restrictions that Java run time sand box imposes on an unsigned applet running in a browser?

Please choose all the answers that apply:

- an unsigned applet can't access the local file system
- an unsigned applet can't render Java Swing graphical user interface components
- an unsigned applet can't call back to it's originating host server
- an unsigned applet can't access the clipboard

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

Question: [applet security manager](#)

Flashcards:

<http://www.quizover.com/flashcards/applet-security-manager?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/applet-security-manager?pdf=1505>

4.1.26. Alice and Bob want to exchange highly confidential business emails....

Author: Yasser Ibrahim

Alice and Bob want to exchange highly confidential business emails. So they started experimenting with the asymmetric key algorithms. Each of them generated a public and private key pair, exchanged the public key by post, and they are now ready to correspond.

Alice used the public key of Bob to encrypt and send their first top secret email.

What is true?

Please choose only one answer:

- Alice should have used her own private key to encrypt the above mentioned message
- Only Bob can decrypt and read the message using Alice's public key
- Only Bob can decrypt and read the message using his own private key.
- Anyone who can obtain Bob public key would be able to decrypt and read Alice's message

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

Question: [public key certificate](#)

Flashcards:

<http://www.quizover.com/flashcards/public-key-certificate?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/public-key-certificate?pdf=1505>

4.1.27. Alice and Bob want to exchange highly confidential business emails....

Author: Yasser Ibrahim

Alice and Bob want to exchange highly confidential business emails. So they started experimenting with the asymmetric key algorithms. Each of them generated a public and private key pair, exchanged the public key by post, and they are now ready to correspond.

Alice used her own private key to sign and send their first top secret email.

What is true?

Please choose all the answers that apply:

- Bob can can decrypt and verify that the message was really originated by Alice using his own private key.
- Bob can can decrypt and verify that the message was really originated by Alice using her private key.
- Bob can can decrypt and verify that the message was really originated by Alice using her public key.
- Anyone who can obtain Alice's public key would be able to decrypt and verify that the message was really originated by Alice

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

Question: [verify using asymmetric key algorithms](#)

Flashcards:

<http://www.quizover.com/flashcards/verify-using-asymmetric-key-algorithms?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/verify-using-asymmetric-key-algorithms?pdf=1505>

4.1.28. You were busy preparing for SCEA exam by working on JavaChamp.com. ...

Author: JavaChamp Team

You were busy preparing for SCEA exam by working on JavaChamp.com. You forgot to log out from the instant messaging application in your computer. In the middle of your work, an acquaintance has logged in and started chatting with you. He told you that PayPal is having a short tempting offer and posted you a direct URL to this offer encouraging you to log in and participate.

Fortunately, you have just read in JavaChamp.com about a fraudulent process that is greatly similar to this scenario, what made you reject the posted link.

Which fraudulent process are we talking about?

Please choose only one answer:

- Eavesdropping
- Man in the middle
- Denial of service
- Phishing

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

Question: [phishing paypal](#)

Flashcards:

<http://www.quizover.com/flashcards/phishing-paypal?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/phishing-paypal?pdf=1505>

4.1.29. What does DMZ mean in the world of computer networking security?

Author: JavaChamp Team

What does DMZ mean in the world of computer networking security?

Please choose all the answers that apply:

- DMZ stands for Demilitarized Zone
- Use DMZ, when you want to protect your Development zone (development servers and developers' machines) from the Internet users, and at the same time you would like to provide the Internet users access to your web pages
- DMZ contains the public services you would like to provide to the Internet users
- DMZ contains the services you would like to isolate from the Internet users

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

Question: [how to dmz?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-dmz?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-dmz?pdf=1505>

4.1.30. How to minimize the damage and/or unauthorized information access t...

Author: JavaChamp Team

How to minimize the damage and/or unauthorized information access that can occur due to intruders attacks?

Please choose all the answers that apply:

- install DMZ (demilitarized zone) in your organization's network
- install request throttling firewall in your organization's network
- grant the users the least possible permissions to your organization's resources
- perform security auditing to monitor your organization's network and track intruders' activities

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

Question: [how to minimize the damage by intruders attacks?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-minimize-the-damage-by-intruders-attacks?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-minimize-the-damage-by-intruders-attacks?pdf=1505>

4.1.31. What are the benefits of "principle of least privilege"?

Author: JavaChamp Team

What are the benefits of "principle of least privilege"?

Please choose all the answers that apply:

- restrains the damage and/or unauthorized information access that can occur due to intruders attacks
- improves application scalability
- improves application reliability
- improves application security

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

Question: [is it possible to prevent a dos attack?](#)

Flashcards:

<http://www.quizover.com/flashcards/is-it-possible-to-prevent-a-dos-attack?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/is-it-possible-to-prevent-a-dos-attack?pdf=1505>

4.1.32. What is true about bytecode verification in Java?

Author: JavaChamp Team

What is true about bytecode verification in Java?

Please choose all the answers that apply:

- it is done when loading the class files by the class loader
- it is done while compiling the Java source files
- it makes sure that the code doesn't violate access restrictions
- it checks that data type conversions is code is correct

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

Question: [what is bytecode verification?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-bytecode-verification?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-bytecode-verification?pdf=1505>

4.1.33. Which of the following are considered symmetric encryption algorithms?

Author: JavaChamp Team

Which of the following are considered symmetric encryption algorithms?

Please choose all the answers that apply:

- Blowfish
- 3DES
- RC4
- SHA
- Public-key cryptography

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

Question: [public-key cryptography](#)

Flashcards:

<http://www.quizover.com/flashcards/publickey-cryptography?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/publickey-cryptography?pdf=1505>

4.1.34. What are considered one-way hash encryption algorithms?

Author: JavaChamp Team

What are considered one-way hash encryption algorithms?

Please choose all the answers that apply:

- MD5
- SHA-1
- Blowfish
- 3DES
- RC4

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

Question: [sha 1 encryption algorithms](#)

Flashcards:

<http://www.quizover.com/flashcards/sha-1-encryption-algorithms?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/sha-1-encryption-algorithms?pdf=1505>

4.1.35. What an unsigned applet cannot do? (select two)

Author: JavaChamp Team

What an unsigned applet cannot do? (select two)

Please choose all the answers that apply:

- update any system properties
- run out of memory
- read files on the client file system
- monopolize the CPU time
- access to the server from which the applet was downloaded

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

Question: [applet security policy](#)

Flashcards:

<http://www.quizover.com/flashcards/applet-security-policy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/applet-security-policy?pdf=1505>

4.1.36. What is the role of bytecode verification in Java?

Author: JavaChamp Team

What is the role of bytecode verification in Java?

Please choose all the answers that apply:

- it prevents pointers counterfeit
- it ensures that the code respects the accesses restrictions such as private, public, or protected
- it catches OutOfMemory exceptions
- it validates the inheritance tree

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

Question: [java pointers](#)

Flashcards:

<http://www.quizover.com/flashcards/java-pointers?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-pointers?pdf=1505>

4. Chapter: Web Tier Technologies

1. Web Tier Technologies Questions

4.1.1. You are architecting a heavy content web application, your client e...

Author: JavaChamp Team

You are architecting a heavy content web application, your client emphasized that his web pages that are generated dynamically from the backing information system should be search engines friendly. In the first place the generated URLs must be reachable and crawlable by major search engines.

Which technology doesn't comply with those requirements out of the box?

Please choose only one answer:

- PHP
- JSP
- JSF
- HTML

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

Question: [url rewrite](#)

Flashcards:

<http://www.quizover.com/flashcards/url-rewrite?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/url-rewrite?pdf=1505>

4.1.2. You are architecting a web application using the famous MVC design ...

Author: JavaChamp Team

You are architecting a web application using the famous MVC design pattern to be inline with the separation of concerns principle.

Your model is pure java beans, controller is implemented with Servlets technology, and the View is realized as JSP pages.

What shouldn't a JSP page in your application do according to the MVC model guidelines ?

Please choose only one answer:

- dispatch the incoming user web request to a certain page based on user's credentials
- render a beans collection as an HTML table
- look up an attribute from the request or session scope
- use JSTL tags (JavaServer Pages Standard Tag Library)

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

Question: [model view controller pattern](#)

Flashcards:

<http://www.quizover.com/flashcards/model-view-controller-pattern?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/model-view-controller-pattern?pdf=1505>

4.1.3. You are designing a rich web application, which provides access to ...

Author: JavaChamp Team

You are designing a rich web application, which provides access to its' multimedia resources only for premium members.

Those multimedia files are stored on a file server on your organization's network which is not directly accessible to your web server.

You need to stream those multimedia resources to be rendered on the members' browsers.

Which technology is the most suitable for multimedia streaming?

Please choose only one answer:

- Servlets
- JSF
- JSTL JavaServer Pages Standard Tag Library
- HTML HyperText Markup Language

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

Question: [java multimedia streaming](#)

Flashcards:

<http://www.quizover.com/flashcards/java-multimedia-streaming?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-multimedia-streaming?pdf=1505>

4.1.4. Java server faces JSF is an emerging web presentation technology th...

Author: JavaChamp Team

Java server faces JSF is an emerging web presentation technology that's supported by many industry leaders, it is designed from ground up to support RAD rapid application development by utilizing visual designing tools.

What is true about JSF?

Please choose all the answers that apply:

- JSF is search engine friendly
- JSF components perform user input validation and value conversion
- JSF request life cycle is broken down into 6 phases
- JSF is based on the well known MVC design pattern (Model-View-Controller)
- JSF pages can be tested outside any web container

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

Question: [jsf pros and cons](#)

Flashcards:

<http://www.quizover.com/flashcards/jsf-pros-and-cons?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jsf-pros-and-cons?pdf=1505>

4.1.5. The expression language (EL) is widely used by web application deve...

Author: JavaChamp Team

The expression language (EL) is widely used by web application developers typically inside JSP and JSF pages to:

Please choose all the answers that apply:

- trigger event handling or validation methods
- retrieve data stored in request or session scopes
- manipulate XML documents
- consume RESTful webservices

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

Question: [jsf expression language](#)

Flashcards:

<http://www.quizover.com/flashcards/jsf-expression-language?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jsf-expression-language?pdf=1505>

4.1.6. The JavaServer Pages Standard Tag Library (JSTL) is widely used by ...

Author: JavaChamp Team

The JavaServer Pages Standard Tag Library (JSTL) is widely used by web application developers typically inside JSP pages to implement common presentation functionalities, which of the following is not supported by JSTL?

Please choose only one answer:

- is used to manipulate XML documents
- is used to iterate a list of values
- is used to support internationalization
- is used to consume RESTful webservices

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

Question: [java jstl](#)

Flashcards:

<http://www.quizover.com/flashcards/java-jstl?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/java-jstl?pdf=1505>

4.1.7. What are the advantages of using Ajax?

Author: JavaChamp Team

What are the advantages of using Ajax?

Please choose all the answers that apply:

- limits the bandwidth use
- improves user-experience
- browsers compatibility is not a major issue
- minimize the page reloads upon user requests
- eliminates the need to host your application on a web server as it runs on the client browser

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

Question: [why to use ajax?](#)

Flashcards:

<http://www.quizover.com/flashcards/why-to-use-ajax?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/why-to-use-ajax?pdf=1505>

4.1.8. You are architecting a web application using the famous MVC design ...

Author: JavaChamp Team

You are architecting a web application using the famous MVC design pattern to be inline with the separation of concerns principle.

Your model is pure java beans, controller is implemented with Servlets technology, and the View is realized as JSP pages.

What shouldn't a Servlet class in your application do according to the MVC model guidelines ?

Please choose only one answer:

- render a beans collection as an HTML table
- dispatch the incoming user web request to a certain page based on user's credentials
- query the databank
- validate the user input values
- look up an attribute from the request or session scope

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

Question: [mvc controller role](#)

Flashcards:

<http://www.quizover.com/flashcards/mvc-controller-role?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/mvc-controller-role?pdf=1505>

4.1.9. You are architecting a web application using the famous MVC design ...

Author: JavaChamp Team

You are architecting a web application using the famous MVC design pattern to be inline with the separation of concerns principle.

Your model is pure java beans, controller is implemented with Servlets technology, and the View is realized as JSP pages.

What is the role of Model in your application do according to the MVC model guidelines ?

Please choose only one answer:

- render a beans collection as an HTML table
- dispatch the incoming user web request to a certain page based on user's credentials
- query the databank
- represent the application data as java beans

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

Question: [mvc model role](#)

Flashcards:

<http://www.quizover.com/flashcards/mvc-model-role?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/mvc-model-role?pdf=1505>

4. Chapter: Business tier technologies

1. Business tier technologies Questions

4.1.1. You are responsible for architecting an application for car agents....

Author: JavaChamp Team

You are responsible for architecting an application for car agents. The application should save a lot of effort to its users. Instead of traversing about 30 commerce sites to check the new car offers, the application will collect these offers and render the list to the agent in one page. The agent will also be able to buy the car through this application directly.

You expect a limited number of users to get access to the application. And for performance reasons you have to cache huge amount of data collected from the various commerce sites that must be maintained during the user session that spans the regular day working hours.

What is recommended to use in this case to maintain the user session?

Please choose only one answer:

- http session
- stateful session bean
- entity bean
- stateless session bean

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

Question: [stateful vs stateless beans](#)

Flashcards:

<http://www.quizover.com/flashcards/stateful-vs-stateless-beans?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/stateful-vs-stateless-beans?pdf=1505>

4.1.2. EJB 3 introduced quite easy interceptor class definition through an...

Author: JavaChamp Team

EJB 3 introduced quite easy interceptor class definition through annotations such as `@PostConstruct`, `@PreDestroy`, `@PrePassivate`, `@PostActivate` for lifecycle callback methods, and `@AroundInvoke` for or business methods.

For what can you use EJB interceptor?

Please choose all the answers that apply:

- keep track of the each method invocation duration and count
- catch technical exceptions to prevent it from propagating to the web teir
- provides a centralized point to query the databank tables
- implement the common business logic

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

Question: [how to write interceptor?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-write-interceptor?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-write-interceptor?pdf=1505>