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QUESTION 1

A developer writes a stateless session bean with one local business interface and with container- managed transactions. All business methods have transaction attribute REQUIRED. The bean has an injected field sessionCtx of the type SessionContext. Which two operations are allowed in a business method of the bean? (Choose two.)

- A. sessionCtx. getEJBObject
- B. sessionCtx.setRollbackOnly
- C. sessionCtx. getMessageContext
- D. sessionCtx. getBusinessObject
- E. sessionCtx. getEJBLocalObject

Correct Answer: BD

QUESTION 2

A developer wants to use the Java Persistence query language. Which two are true? (Choose two.)

- A. A WHERE clause is required in every query.
- B. The WHERE clause can restrict the scope of a delete operation.
- C. The WHERE clause can be used to order the results returned by a query.
- D. The WHERE clause is used to determine the types of objects to be retrieved from a persistent store.
- E. The WHERE clause is used to restrict the contents of a collection of objects that are returned from a query.

Correct Answer: BE

QUESTION 3

A developer wants to create a portable EJB 3.0 application that includes the following class definition for the Entity Account: 11.©Entity

12.

@EntityListeners(com. acme.AlertMonitor. class)

13.

public class Account {

14.

```
// more code here
```

15.

```
@PrePersist
```

16.

```
protected void validateCreate0 { /* more code here */ } 17.} Which statement is correct?
```

- A. The validateCreate method may NOT throw runtime exceptions.
- B. The validateCreate method can invoke the EntityManager.flush operation.
- C. Methods of the class com.acme.AlertMonitor annotated with callback annotations must take an Object or Account instance as the only argument.
- D. The above class definition is NOT correct. An entity cannot define a callback method like PrePersist and use the EntityListeners annotation at the same time.

Correct Answer: C

QUESTION 4

Which two are restrictions of beans with bean-managed transactions? (Choose two.)

- A. The NONSUPPORTED transaction attribute must be chosen.
- B. Clients calling with a transactional context are prohibited and will result in an exception.
- C. A stateful session bean must commit a started transaction before a business method returns.
- D. A bean that starts a transaction must complete the transaction before it starts a new transaction.
- E. A message-driven bean instance must commit a transaction before the onMessage method returns.

Correct Answer: DE

QUESTION 5

Which two are programming restrictions in the EJB 3.0 specification? (Choose two.)

- A. An enterprise bean must NOT attempt to load a native library.
- B. An enterprise bean must NOT declare static fields as final.
- C. An enterprise bean must NOT attempt to create a new security manager.
- D. An enterprise bean must NOT propagate a RuntimeException to the container.

E. An enterprise bean must NOT attempt to obtain `javax.naming.InitialContext`.

Correct Answer: AC

QUESTION 6

A developer creates a stateful session bean that is used by many concurrent clients. The clients are written by other development teams and it is assumed that these clients might not remove the bean when ending their session. The number of concurrent sessions will be greater than the defined bean cache size. The developer must consider that the state of the session bean can be influenced by either passivation or timeout. Which three actions should the developer take to make the bean behave correctly in passivation and timeout situations? (Choose three.)

- A. Release references to resources in a `@Remove` annotated method.
- B. Re-establish references to resources in an `@Init` annotated method.
- C. Release references to resources in a `@PreDestroy` annotated method.
- D. Release references to resources in a `@PrePassivate` annotated method.
- E. Re-establish references to resources in a `@PostActivate` annotated method.

Correct Answer: CDE

QUESTION 7

The Java Persistent API defines certain rules for persistent entities. These rules are required by the persistent provider to manage entities at runtime. Which statement is correct, assuming NO mapping descriptor is used?

- A. Entities must extend a persistent base class.
- B. Entities must implement the interface `PersistentEntity` to be managed by the persistent provider.
- C. A field without a `transient` modifier must be annotated as `@Persistent` to be stored in the database.
- D. A field without a `transient` modifier must be annotated as `@Transient` to NOT be stored in the database.

Correct Answer: D

QUESTION 8

Which two statements are correct about EJB 3.0 stateful session beans and stateless session beans? (Choose two.)

- A. Both can have multiple remote and local business interfaces.
- B. Both can be passivated by the EJB container to preserve resources.

- C. Both can choose to implement the javax. ejb.SessionSynchronization interface.
- D. Only the stateful session bean class is required to implement java.io.Serializable
- E. Both bean classes can have the field injection of javax. persistence. EntityManager.

Correct Answer: A

QUESTION 9

A session bean's business method throws an exception during execution. Which two are responsibilities of the Bean Provider when throwing the exception? (Choose two.)

- A. For application exceptions, ensure that if the current transaction commits there will be no loss of data integrity.
- B. For application exceptions, ensure that the current transaction will commit.
- C. For system errors, when the client is remote, throw a java.rmi.RemoteException that wraps the original exception.
- D. For checked exceptions from which the bean cannot recover, throw an EJBException that wraps the original exception.

Correct Answer: AD

QUESTION 10

A session bean calls the setRollbackOnly method on the EJBContext interface within a business method with an active transaction. Which two are correct? (Choose two.)

- A. The transaction timeout is immediately disabled.
- B. The container will ensure that the transaction will never commit.
- C. The bean must have started the current transaction for this to be legal.
- D. The bean must have bean-managed transaction demarcation for this to be legal.
- E. The bean must have container-managed transaction demarcation for this to be legal.

Correct Answer: BE

QUESTION 11

Which three statements are true about EJB 3.0 containers? (Choose three.)

- A. Remote argument passing semantics conform to Java RMI-IIOP.

- B. The JAXB 2.0 API is guaranteed to be available for all bean types.
 - C. The Java 2D API is guaranteed to be available for session beans.
 - D. javax. naming. InitialContext is guaranteed to provide a JNDI name space.
 - E. The Java Telephony API is guaranteed to be available for session and message beans.
 - F. javax.transaction. UserTransaction cannot be used by beans when bean- managed transaction demarcation is used.
- Correct Answer: ABD

QUESTION 12

A developer writes an interceptor class called FoolInterceptor containing the following AroundInvoke method:

11.

```
@AroundInvoke
```

12.

```
public Object intercept(InvocationContext ctx) {
```

13.

```
    return "intercepted";
```

14.}

FoolInterceptor is applied to a business method in a stateless session bean:

11.

```
@Interceptors(FoolInterceptor.class)
```

12.

```
public String testzero(int i) {
```

13.

```
    return (i == 0) ? "zero":"not zero";
```

14.

```
}
```

Which describes the result when a client invokes the testzero method with a value of 1?

- A. The intercept method is NEVER invoked.
- B. The client receives a return value of "zero".

- C. The client receives a return value of "not zero".
- D. The client receives a return value of "intercepted".

Correct Answer: D

QUESTION 13

Given the following code snippet of an EJB 3.0 entity class: 10. ©Entity

11.

```
@Table(name="ORDERS")
```

12.

```
public class Orderj.... }
```

A developer wants to change the name of the database table for the Order entity from ORDERS to CUSTOM, without changing the Java source code file. Which option can the developer use?

- A. Override the name using the table subelement within the persistence unit's persistence.xml file.
- B. This is NOT possible in a portable EJB 3.0 application. The only way to change the table name is to change the Java source code file.
- C. Add a custommapping.xml file to the persistence unit, override the name using the table subelement, and declare custommapping.xml in the mapping-file element in orm.xml.
- D. Add a custommapping.xml file to the persistence unit, override the name using the table subelement, and declare custommapping.xml in the mapping-file element in persistence.xml.

Correct Answer: D

QUESTION 14

Your application uses the Java Persistence API to access a database. This application must reject adding an instance to the database if it does NOT pass validation tests for values of two persistence properties. The database contains some data that will NOT pass such validation. Only the new records must be validated. Which option will achieve this behavior?

- A. Add validation logic to the setter methods for each property.
- B. Add the PrePersist callback method with all of the validation logic.
- C. Add the PostPersist callback method with all of the validation logic.
- D. Add PrePersist and PreUpdate callback methods with all of the validation logic.

Correct Answer: B

QUESTION 15

A developer wants to implement a relationship between Company and Department entity classes. Every department belongs to one company, and one company has several departments. In this application it is essential to quickly determine which company a department belongs to and to also easily access all departments of a given company. Which two declarations provide a solution to these requirements? (Choose two.)

- A. In class Department @ManyToOne private Company company;
- B. In class Department @OneToMany private Company company;
- C. In class Department: @OneToMany(mappedBy="department") private Collection companies;
- D. In class Company: @ManyToOne(mappedBy="company") private Collection departments; E. In class Company: @OneToMany(mappedBy="company") private Collection departments;

Correct Answer: A

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