

Enterprise Frameworks JPA Entity Classes

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1. Entity Classes

4. Chapter: Entity Classes

1. Entity Classes Questions

4.1.1. You want to write a JPA Entity class to model a databank table name...

Author: Yasser Ibrahim

You want to write a JPA Entity class to model a databank table named COOPERATE_USER. Each user is uniquely identified in this table by his or her social security number SSN. Along with SSN the system keeps user name, job, address and birth date.

How to declare such JPA Entity class?

Please choose all the answers that apply:

- Write a CooperateUser public class
- Annotate the CooperateUser class with @Table(name=" COOPERATE_USER")
- Annotate the CooperateUser class with @Entity
- The CooperateUser class must implement Serializable
- Define private attributes ssn, job, name, address and birthdate
- Annotate the ' name' attribute with @Id

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4.1.2. How to declare JPA Entity class?

Author: Yasser Ibrahim

How to declare JPA Entity class?

Please choose all the answers that apply:

- Write a private final Entity class named after the mapped table
- Annotate the class with @Entity
- Annotate the primary key attribute or its getter method with @Id
- Define private attributes to map the table columns
- Write the finalize method

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4.1.3. What is the impact of marking an attribute in a JPA Entity class wi...

Author: Yasser Ibrahim

What is the impact of marking an attribute in a JPA Entity class with @Transient annotation?

Please choose only one answer:

- This attribute will should not be serialized by the EJB container
- This attribute will should not be persisted by the EJB container
- This attribute will should not be garbage collected by the EJB container

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4.1.4. Given the code snippet below, which of the following statements are...

Author: Yasser Ibrahim

Given the code snippet below, which of the following statements are true?

```
@PersistenceContext
private EntityManager entityManager;

public void registerUser() {
    User usr = new User(); // Line 1
    usr.setName("JavaChamp"); // Line 2
    entityManager.persist(usr); // Line 3
}
```

Please choose all the answers that apply:

- At line 1 the user instance is a managed Entity
- At line 1 the user instance is a new Entity
- At line 1 a new record will be inserted in the user table
- At line 2 the entityManager will immediately reflect user name change to the database
- At line 3 the entityManager will immediately reflect user name change to the database

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4.1.5. Given the code snippet below, which of the following statements are...

Author: Yasser Ibrahim

Given the code snippet below, which of the following statements are true?

```
@PersistenceContext
private EntityManager entityManager;

public void updateUserProfile(Long usrId) {
    User usr = entityManager.find(User.class,usrId); // Line 1
    usr.setName("JavaChamp"); // Line 2
    entityManager.merge(usr); // Line 3
    entityManager.persist(usr); // Line 4
}
```

Please choose all the answers that apply:

- At line 1 the user instance is a managed Entity
- At line 1 the user instance is a detached Entity
- At line 1 the find method will return null if the input userID is not found
- line 3 is mandatory to synchronize the changes done at line 2 to the database
- line 4 is mandatory to synchronize the changes done at line 2 to the database

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4.1.6. In which life cycle state the JPA entity class is synchronized with...

Author: Yasser Ibrahim

In which life cycle state the JPA entity class is synchronized with the database?

Please choose only one answer:

- New
- Managed
- Synchronized
- Detached
- Removed

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Question: [jpa entity synchronized life cycle states](#)

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4.1.7. What causes the entity manager to move an Entity instance from the ...

Author: Yasser Ibrahim

What causes the entity manager to move an Entity instance from the detached to the managed state?

Please choose only one answer:

- Invoke the persist() method of the entity manager on the instance
- Invoke the merge() method of the entity manager on the instance
- Invoke the manage() method of the entity manager on the instance
- Invoke the remove() method of the entity manager on the instance

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4.1.8. What causes the entity manager to move an Entity instance from the ...

Author: Yasser Ibrahim

What causes the entity manager to move an Entity instance from the managed to the detached state?

Please choose only one answer:

- Invoke the detach() method of the entity manager on the instance
- Invoke the remove() method of the entity manager on the instance
- Invoke the unsynchronize() method of the entity manager on the instance
- when the associated persistence context ends at the end of the transaction boundary.

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Question: [jpa entity manager detached state](#)

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4.1.9. What are the possible state transitions for an Entity instance ?

Author: Yasser Ibrahim

What are the possible state transitions for an Entity instance ?

Please choose all the answers that apply:

- from managed to detached
- from detached to removed
- from detached to new
- from new to detached
- from managed to removed

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

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4.1.10. which of the following is NOT a jpa entity manager method?

Author: Yasser Ibrahim

which of the following is NOT a jpa entity manager method?

Please choose only one answer:

- persist
- flush
- contains
- detach
- find

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

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4.1.11. Which method of the jpa entity manager would you use to force synch...

Author: Yasser Ibrahim

Which method of the jpa entity manager would you use to force synchronizing the persistence context from the database?

Please choose only one answer:

- synchronize()
- flush()
- refresh()
- persist()

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

Question: [jpa entity manager refresh](#)

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4.1.12. Which method of the jpa entity manager would you use to force synch...

Author: Yasser Ibrahim

Which method of the jpa entity manager would you use to force synchronizing the database with the entities of the persistence context?

Please choose only one answer:

- synchronize()
- flush()
- refresh()
- persist()

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

Question: [jpa entity manager flush](#)

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4.1.13. What is considered optional while you define a persistence unit?

Author: Yasser Ibrahim

What is considered optional while you define a persistence unit?

Please choose all the answers that apply:

- persistence.xml configuration file
- Entity classes annotated with @Entity
- The ORM definition (object relational mapping)
- entity manager configuration (e.g. toptlink, hibernate)

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Question: [persistence unit definition](#)

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