

Enterprise Frameworks Java Persistence API

JPA

Author: JavaChamp Team

Senior Java Developer @QuizOver.com

Copyright (c) 2010-2015

Create, Share, and Discover Online Quizzes.

QuizOver.com is an intuitive and powerful online quiz creator. [learn more](#)

Join QuizOver.com



How to Analyze Stocks

By Yasser Ibrahim

1 month ago
12 Responses

© iStock: Thomson Moter



Pre Employment English

By Katharina jennifer N

5 months ago
19 Responses

© iStock: Albin



Lean Startup Quiz

By Yasser Ibrahim

2 months ago
16 Responses

© iStock: Gekwotwe Ochiu

Powered by QuizOver.com

The Leading Online Quiz & Exam Creator

Create, Share and Discover Quizzes & Exams

<http://www.quizover.com>

Disclaimer

All services and content of QuizOver.com are provided under QuizOver.com terms of use on an "as is" basis, without warranty of any kind, either expressed or implied, including, without limitation, warranties that the provided services and content are free of defects, merchantable, fit for a particular purpose or non-infringing.

The entire risk as to the quality and performance of the provided services and content is with you.

In no event shall QuizOver.com be liable for any damages whatsoever arising out of or in connection with the use or performance of the services.

Should any provided services and content prove defective in any respect, you (not the initial developer, author or any other contributor) assume the cost of any necessary servicing, repair or correction.

This disclaimer of warranty constitutes an essential part of these "terms of use".

No use of any services and content of QuizOver.com is authorized hereunder except under this disclaimer.

The detailed and up to date "terms of use" of QuizOver.com can be found under:

<http://www.QuizOver.com/public/termsOfUse.xhtml>

eBook Content License

Creative Commons License

Attribution-NonCommercial-NoDerivs 3.0 Unported (CC BY-NC-ND 3.0)

<http://creativecommons.org/licenses/by-nc-nd/3.0/>

You are free to:

Share: copy and redistribute the material in any medium or format

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

Attribution: You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

NonCommercial: You may not use the material for commercial purposes.

NoDerivatives: If you remix, transform, or build upon the material, you may not distribute the modified material.

No additional restrictions: You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

Table of Contents

Quiz Permalink: <http://www.quizover.com/question/jpa>

Author Profile: <http://www.quizover.com/user/profile/Java.Champ>

1. Java Persistence API

- Entity Classes
- Entity association

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

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

Question: [how to write ejb entity class?](#)

Flashcards:

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

Interactive Question:

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

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

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

Question: [jpa entity example](#)

Flashcards:

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

Interactive Question:

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

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

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

Question: [@entity javadoc](#)

Flashcards:

<http://www.quizover.com/flashcards/entity-javadoc?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/entity-javadoc?pdf=1505>

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

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

Question: [container managed entity bean](#)

Flashcards:

<http://www.quizover.com/flashcards/container-managed-entity-bean?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/container-managed-entity-bean?pdf=1505>

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

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

Question: [detached entity passed to persist manytomany](#)

Flashcards:

<http://www.quizover.com/flashcards/detached-entity-passed-to-persist-manytomany?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/detached-entity-passed-to-persist-manytomany?pdf=1505>

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

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

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

Flashcards:

<http://www.quizover.com/flashcards/jpa-entity-synchronized-life-cycle-states?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jpa-entity-synchronized-life-cycle-states?pdf=1505>

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

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

Question: [jpa entity manager merge](#)

Flashcards:

<http://www.quizover.com/flashcards/jpa-entity-manager-merge?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jpa-entity-manager-merge?pdf=1505>

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.

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

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

Flashcards:

<http://www.quizover.com/flashcards/jpa-entity-manager-detached-state?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jpa-entity-manager-detached-state?pdf=1505>

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:

Question: [jpa state transitions](#)

Flashcards:

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

Interactive Question:

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

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:

Question: [jpa entity manager methods](#)

Flashcards:

<http://www.quizover.com/flashcards/jpa-entity-manager-methods?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jpa-entity-manager-methods?pdf=1505>

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](#)

Flashcards:

<http://www.quizover.com/flashcards/jpa-entity-manager-refresh?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jpa-entity-manager-refresh?pdf=1505>

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](#)

Flashcards:

<http://www.quizover.com/flashcards/jpa-entity-manager-flush?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jpa-entity-manager-flush?pdf=1505>

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)

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

Question: [persistence unit definition](#)

Flashcards:

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

Interactive Question:

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

4. Chapter: Entity association

1. Entity association Questions

4.1.1. Which of the following statements about the fetch modes in Entity b...

Author: JavaChamp Team

Which of the following statements about the fetch modes in Entity beans is FALSE?

Please choose only one answer:

- There are two fetch modes : EAGER and LAZY
- The default fetching mode for a field in an Entity bean annotated by @Basic is LAZY
- The default fetching mode for a field in an Entity bean annotated by @OneToMany is LAZY
- @Lob annotation does not have a default fetch mode

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

Question: [jpa eager loading](#)

Flashcards:

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

Interactive Question:

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

4.1.2. What is TRUE about the cascading and cascade mode attributes in Ent...

Author: JavaChamp Team

What is TRUE about the cascading and cascade mode attributes in Entity Beans?

Please choose all the answers that apply:

- Cascade mode attributes can be specified for the association annotations (like @OneToMany) in an entity bean
- The cascading direction is from the target entity to the source entity
- PERSIST, DELETE and REFRESH are cascading mode attributes
- Refresh cascade causes to refresh the target entities of a relationship when refresh is invoked on the source entity of the relationship

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

Question: [jpa persist, merge, remove, refresh and all cascade modes](#)

Flashcards:

<http://www.quizover.com/flashcards/jpa-persist-merge-remove-refresh-and-all-cascade-modes?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/jpa-persist-merge-remove-refresh-and-all-cascade-modes?pdf=1505>

4.1.3. what are the JPA @Entity association attributes?

Author: Yasser Ibrahim

what are the JPA @Entity association attributes?

Please choose all the answers that apply:

- Association validation
- Association multiplicity
- Association cascade behavior
- Association direction

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

Question: [jpa association attributes](#)

Flashcards:

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

Interactive Question:

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

4.1.4. Which @Entity association cardinality and direction is implemented ...

Author: Yasser Ibrahim

Which @Entity association cardinality and direction is implemented in the following code snippet?

```
@Entity
public class Yard {
    @Id
    private int yardNo;
}

@Entity
public class House {
    @Id
    private int houseNo;
    @OneToOne
    private Yard backYard;
}
```

Please choose only one answer:

- @OneToOne unidirectional
- @OneToOne bidirectional
- @OneToOne no directional attribute specified

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

Question: [onetoone unidirectional association](#)

Flashcards:

<http://www.quizover.com/flashcards/onetoone-unidirectional-association?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/onetoone-unidirectional-association?pdf=1505>

4.1.5. Which @Entity association cardinality and direction is implemented ...

Author: Yasser Ibrahim

Which @Entity association cardinality and direction is implemented in the following code snippet?

```
@Entity
public class Yard {
    @Id
    private int yardNo;
    @OneToOne(mappedBy="backYard")
    private House aHouse;
}

@Entity
public class House {
    @Id
    private int houseNo;
    @OneToOne
    private Yard backYard;
}
```

Please choose only one answer:

- @OneToOne unidirectional
- @OneToOne bidirectional
- @OneToOne no directional attribute specified

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

Question: [association onetoone bidirectional](#)

Flashcards:

<http://www.quizover.com/flashcards/association-onetoone-bidirectional?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/association-onetoone-bidirectional?pdf=1505>

4.1.6. What's true about the following @Entity association between House a...

Author: Yasser Ibrahim

What's true about the following @Entity association between House and Yard?

```
@Entity
public class Yard {
    @Id
    private int yardNo;
    @OneToOne(mappedBy="backYard")
    private House aHouse;
}

@Entity
public class House {
    @Id
    private int houseNo;
    @OneToOne
    private Yard backYard;
}
```

Please choose all the answers that apply:

- It's OneToOne unidirectional association
- It's OneToOne bidirectional association
- The association owner is the House class
- The association owner is the Yard class

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

Question: [entity association onetoone bidirectional](#)

Flashcards:

<http://www.quizover.com/flashcards/entity-association-onetoone-bidirectional?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/entity-association-onetoone-bidirectional?pdf=1505>

4.1.7. Which @Entity association attributes are implemented in the followi...

Author: Yasser Ibrahim

Which @Entity association attributes are implemented in the following code snippet?

```
@Entity
public class Window {
    @Id
    private int winNo;
    @ManyToOne
    private House aHouse;
}

@Entity
public class House {
    @Id
    private int houseNo;
    @OneToMany(mappedBy="aHouse")
    private List<Window> windows;
}
```

Please choose only one answer:

- @OneToMany unidirectional
- @OneToMany bidirectional
- @OneToMany no directional attribute specified

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

Question: [entity association onetomany bidirectional](#)

Flashcards:

<http://www.quizover.com/flashcards/entity-association-onetomany-bidirectional?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/entity-association-onetomany-bidirectional?pdf=1505>

4.1.8. What's true about the following @Entity association between House a...

Author: Yasser Ibrahim

What's true about the following @Entity association between House and Window?

```
@Entity
public class Window {
    @Id
    private int winNo;
    @ManyToOne
    private House aHouse;
}

@Entity
public class House {
    @Id
    private int houseNo;
    @OneToMany(mappedBy="aHouse")
    private List<Window> windows;
}
```

Please choose all the answers that apply:

- It's OneToMany unidirectional association
- It's OneToMany bidirectional association
- The association owner is the House class
- The association owner is the Window class

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

Question: [entity association onetomany bidirectional example](#)

Flashcards:

<http://www.quizover.com/flashcards/entity-association-onetomany-bidirectional-example?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/entity-association-onetomany-bidirectional-example?pdf=1505>

4.1.9. Which @Entity association attributes are implemented in the followi...

Author: Yasser Ibrahim

Which @Entity association attributes are implemented in the following code snippet?

```
@Entity
public class Course {
    @Id
    private int courseNo;
    @ManyToMany
    private List<Student> studentList;
}

@Entity
public class Student {
    @Id
    private int StudentNo;
    @ManyToMany(mappedBy="studentList")
    private List<Course> CourseList;
}
```

Please choose only one answer:

- @ManyToMany unidirectional lazy fetch mode
- @ManyToMany bidirectional lazy fetch mode
- @ManyToMany bidirectional eager fetch mode
- @ManyToMany unidirectional eager fetch mode

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

Question: [entity association manytomany bidirectional](#)

Flashcards:

<http://www.quizover.com/flashcards/entity-association-manytomany-bidirectional?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/entity-association-manytomany-bidirectional?pdf=1505>