Quiz 2

Model Answers

- Which annotation is used to create Pk-Fk relation between two tables?

A. JoinColumn B. ForeignKeyC. JoinedKeyD. None of these

Object/relational metadata can be specified directly in the entity class file by using annotations, or in a separate _____ descriptor file distributed with the application.
A. Scalable Vector Graphics B. HTML **C. XML** D. XHTML

- Which attribute of @OneToMany is used to mark an entity as owned?

A. cascade **B. mappedBy** C. propertyRef D. None

- What is the Life Cycle Of A Jpa Entity?

A. New / Transient B. Managed / Persisted C. Detached **D. All of the above**

- 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 windows;
}
```

A. It's OneToMany unidirectional association B. It's OneToMany bidirectional association C. The association owner is the House class D. The association owner is the Window class

- @OneToOne(optional=false)
  @JoinColumn(name="userSSNID")
  private UserSSN userSSN; Given the above code, the name of the foreign key table in database is:

- A)userID **B)userSSSNID** C)userSSN D)Non of the above

- Which of the following is true about JDBC?

  A - JDBC stands for Java Database Connectivity.

  B - JDBC provides a set of Java API for accessing the relational databases from Java program.

  C - JDBC APIs enables Java programs to execute SQL statements and interact with any SQL compliant database.

  D - All of the above.

Which of the following is true about @Column annotation?

A - The @Column annotation is used to specify the details of the column to which a field or property will be mapped.

B - The @Column annotation is applied on a class.

C - Both of the above.

D - None of the above.

- Annotation used for entity manager injection in EJB components.
  a) @PersistenceContext
  b) @Persistence
  c) @PersistenceCon
  d) None of the mentioned

- True or False:

You can declare an entity manager field in your class and annotate it with the @PersistenceContext annotation.

 (True)

- Which of the following is true about REST?

  A - REST is web standards based architecture and uses HTTP Protocol for data communication.

  B - It revolves around resource where every component is a resource and a resource is accessed by a common interface using HTTP standard methods.

  C -uses @PUT,@GET,@POST,,@DELETE annotations

  D - All of the above.

- Which of the following HTTP Status code means FORBIDDEN, states that user is not having access to method being used for example, delete access without admin rights?

A - 400

B - 403

C - 404

D - 409

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- Which of the following annotation of JAX RS API is used to annotate a method used to create resource?

A - @Path

B - @GET

C - @PUT

D - @POST

- Which of the following annotation of JAX-RS API binds the parameter passed to method to a value in path?

  A - @CookieParam

  B - @PathParam

  C - @DefaultValue

  D - @Context

- PUT opearations should be readonly.

  A - true

  B - false

- Which of the following HTTP Status code means CONFLICT, states conflict situation while executing the method for example, adding duplicate entry?

A - 400

B - 401

C - 404

D - 409

- Which of the following annotation of JAX RS API states the HTTP Response generated by web service?
  A. @DELETE
  B. @HEAD
  C. @Produces
  D. @Consumes

- What are the mark up languages available in REST Services??
  XML & Java
  HTML & VBSCRIPT
  JSON & XML
  HTML & XML

- Declaring roles. Which of the following does not belong to the method annotations?
  Select one of the a)DeclareRoles b)RolesAllowed("role1,role2") **c)AllowRoles** d)PermitAll

- " Security in Java EE (choose 2)
  [_] [a] is provided by the Java EE containers
  [_] [b] requires the Java Authentication and Authorisation Service (JAAS) on the web tier
  [_] [c] is implemented as single sign-on feature, relying on an LDAP server
  [_] [d] is based on realms, users, groups and roles "

- \<security-domain\>userroles\</security-domain\>, This statement should be written in
- a)web.xml b)persistence.xml **c)jboss-web.xml** d)pom.xml

- <context-param>
  <param-name>resteasy.role.based.security</param-name>
  <param-value>true</param-value>
  </context-param> This statement should be written in
- **a)web.xml** b)persistence.xml c)jboss-web.xml d)pom.xmls

```
application-role.properties file contains

admin=PowerUser,BillingAdmin,
guest=guest



@RolesAllowed("guest")
@GET
@Path(/hello/{name})
public String hello(@PathParam("name") String name){
return "Hello "+ name;
}

What happened when BillingAdmin user calls http://localhost:8070/hello/kareem
```

✅

request returns http code 403
request returns http code 200
request returns http code 400
request returns http code 404

```
@Post
@Path(/hello)
public String hello(User user){
return "Hello "+ user.getName();
}

What happened when calling http://localhost:8070/hello/kareem
```

request returns http code 404
request returns http code 400
request returns http code 403
request returns http code 200

```
Given the following entities, when deploying the code we got 500 http code with error message

org.hibernate.LazyInitializationException: failed to lazily initialize a
collection of role: com.redhat.training.model.UserGroup.users, could not
initialize proxy - no Session

@Entity
public class UserGroup {
        @Id
        private Long id;
        private String name;
        @OneToMany(mappedBy="userGroup")
        private Set<User> users;
}

@Entity
public class User {
        @Id
        private Long id;
        private String name;

        @ManyToOne
        @JoinColumn(name="groupID")
        private UserGroup userGroup;

}

How could we solve this exception?

by using
```

eager data loading
   fast data loading
   lazy data loading
   Ignore data loading

Does system authorize a user without authenticate it?

No
Yes

Checking the user privilages before using the system?

Authorization
Authentication