

Feedback — Week 4 Quiz

[Help Center](#)

You submitted this quiz on **Sat 7 Feb 2015 8:45 PM PST**. You got a score of **5.50** out of **6.00**. However, you will not get credit for it, since it was submitted past the deadline.

Question 1

Which of the following are true statements about the Retrofit library?

Your Answer	Score	Explanation
<input type="checkbox"/> It uses the same annotations as Spring to express the mapping of HTTP request parameters to method parameters	✓ 0.25	
<input checked="" type="checkbox"/> It can automatically marshall Java objects into HTTP request bodies	✓ 0.25	
<input checked="" type="checkbox"/> It can be used to provide strong typing for interactions with HTTP-based cloud services	✓ 0.25	
<input type="checkbox"/> It can only be used to send primitive types as HTTP request parameters	✓ 0.25	
Total	1.00 / 1.00	

Question Explanation

See: Section 2 Module 3 Part 1: Introduction to Retrofit

Question 2

Which of the following are reasons to use dependency injection?

Your Answer	Score	Explanation
-------------	-------	-------------

<input type="checkbox"/> To improve the security of an application	✓	0.25
<input checked="" type="checkbox"/> To reduce the amount of manually written configuration code that is needed to "wire" an application together	✓	0.25
<input checked="" type="checkbox"/> To help decouple one or more classes from their dependencies	✓	0.25
<input type="checkbox"/> To improve the startup performance of an application	✓	0.25
Total		1.00 / 1.00

Question Explanation

See: Section 2 Module 4 Part 1: Spring Dependency Injection & Auto-wiring

Question 3

What is @Autowired used for?

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> To indicate that one or more of a class' dependencies should be automatically provided through dependency injection	✓ 0.25	
<input type="checkbox"/> To indicate that an automatic wire format should be used for HTTP request routing	✓ 0.25	
<input type="checkbox"/> To indicate that a member variable is not thread safe and should have a lock automatically wired into it	✓ 0.25	
<input checked="" type="checkbox"/> To indicate that a specific class implements an interface that will be used for dependency injection	✗ 0.00	
Total	0.75 / 1.00	

Question Explanation

See: Section 2 Module 4 Part 2: Spring Configuration Annotations

Question 4

Which of the following are true of object relational mapping?

Your Answer	Score	Explanation
<input type="checkbox"/> It is used to persist HTTP requests into a log as relational objects	✓ 0.25	
<input checked="" type="checkbox"/> It is used to aid in persisting instances of Java objects into a database	✓ 0.25	
<input type="checkbox"/> It always uses JSON as the persistence format	✓ 0.25	
<input checked="" type="checkbox"/> It requires a column for each object instance that will be stored in the database	✗ 0.00	
Total	0.75 / 1.00	

Question Explanation

See: Section 3 Module 1 Part 1: Object to Database Mapping

Question 5

Which of the following statements are true of the code shown below:

```
@RequestMapping("/some/path")
public @ResponseBody List<Video> findVideos(@RequestParam("title") String
videoTitle){
    String query = "select * from video where video.title = '"+videoTit
le+"'";
    return executeDatabaseQuery(query)
}
```

Your Answer	Score	Explanation
<input type="checkbox"/> @RequestParam WILL filter the title parameter and the code is secure	✓ 0.25	

<input type="checkbox"/> The only risk with the code is that it will produce poor performance due to excess String manipulation	✓	0.25
<input checked="" type="checkbox"/> Arbitrary logic could potentially be injected into the query	✓	0.25
<input checked="" type="checkbox"/> @RequestParam will NOT filter the title parameter and the code could suffer from an SQL injection attack	✓	0.25
Total		1.00 / 1.00

Question Explanation

See: Section 3 Module 1 Part 4: Understanding SQL Injection Attacks

Question 6

Which of the following are true of Spring JPA Repositories?

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> The implementations of repository interfaces are automatically created by Spring	✓ 0.25	
<input type="checkbox"/> They are used to provide a low-level procedural interface for accessing the rows and columns in a database	✓ 0.25	
<input type="checkbox"/> They are interfaces that must be implemented by each class that wishes to use the repository	✓ 0.25	
<input type="checkbox"/> They can only persist Java objects that implement Serializable	✓ 0.25	
Total		1.00 / 1.00

Question Explanation

See: Section 3 Module 1 Part 3: Spring Repositories