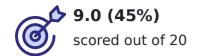# nvhoang12082003@gmai

TH-6738-SEM3A(Java)-Integrating Applications with Spring Framework's report

Submitted on Oct 10 2023 17:14:47 IST

9.0 (45%)
scored out of 20

Passed
in the assignment (Cut-off score >= 40%)

16
problems attempted out of 16

Test time analysis

13m 19s
time taken for completion

Oct 08 2023 21:01:48 IST
test invite time

Oct 10 2023 17:01:27 IST
test start time

Oct 10 2023 17:14:47 IST
test end time

Performance summary

6
solutions accepted

10
solutions rejected

Solutions

Problem Name	Problem Type	Status	Score
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	ACCEPTED	**1.0** / 1
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 1
Integrating with Spring Framework	MCQ	ACCEPTED	**1.0** / 1
Integrating with Spring Framework	MCQ	ACCEPTED	**1.0** / 1
Integrating with Spring Framework	MCQ	ACCEPTED	**2.0** / 2
Integrating with Spring Framework	MCQ	ACCEPTED	**2.0** / 2
Integrating with Spring Framework	MCQ	REJECTED	**0.0** / 2
Integrating with Spring Framework	MCQ	ACCEPTED	**2.0** / 2

Detailed Report

Problem 1 : Integrating with Spring Framework

IOC or Dependency injection is a

Solution

REJECTED | SCORE: **0.0** / 1

Design Pattern	**CORRECT ANSWER**
Framework	
CANDIDATE'S ANSWER Java Module	
ORM Framework	

Problem 2 : Integrating with Spring Framework

MCQ   SCORE: **1**

What are the main advantage(s) for using Spring when writing unit tests?

Solution

REJECTED   SCORE: **0.0** / 1

Reuse Spring configuration files of the application

CANDIDATE'S ANSWER
Use dependency injection

CORRECT ANSWER
Provide some mocks for servlet classes

None of these

Problem 3 : Integrating with Spring Framework

MCQ   SCORE: **1**

How can we auto-inject into a field a bean by its name? Select one or more correct responses.

Solution

REJECTED   SCORE: **0.0** / 1

With the name attribute of the @Autowired annotation

CANDIDATE'S ANSWER

By using the single @Qualifier annotation

CANDIDATE'S ANSWER   **CORRECT ANSWER**

By using both the @Autowired and the @Qualifier Spring annotations

CORRECT ANSWER

By using the @Autowired annotation and naming the field with the bean name

Problem 4 : Integrating with Spring Framework

MCQ   SCORE: **1**

What is the default rollback policy in transaction management?

Solution

REJECTED   SCORE: **0.0** / 1

Rollback for any Exception

CORRECT ANSWER

Rollback for RuntimeException

Rollback for checked exceptions

CANDIDATE'S ANSWER
Always commit

Problem 5 : Integrating with Spring Framework

MCQ   SCORE: **1**

Does Spring provide programmatic transaction management? Select the correct answer.

Solution

REJECTED   SCORE: **0.0** / 1

CORRECT ANSWER

Yes with the TransactionTemplate class

Yes with the TransactionService class

Yes using the @Transactional bean post processor

CANDIDATE'S ANSWER

No

Problem 6 : Integrating with Spring Framework

MCQ   SCORE: **1**

What data access technology is not supported by the Spring framework?

Solution

REJECTED   SCORE: **0.0** / 1

JDBC
NoSQL   **CORRECT ANSWER**
CANDIDATE'S ANSWER Hibernate
JPA

Problem 7 : Integrating with Spring Framework

MCQ SCORE: **1**

What are the unique correct answers about Spring AOP support?

Solution

REJECTED SCORE: **0.0** / 1

CANDIDATE'S ANSWER

An advice could proxy a constructors class

CORRECT ANSWER

A point cut could select methods that have a custom annotation

Static initialization code could be targeted by a point cut

Combination of pointcuts by &&, || and the ! operators is not supported

Problem 8 : Integrating with Spring Framework

MCQ   SCORE: **1**

What is an advice? Select the correct answer.

Solution

ACCEPTED   SCORE: **1.0** / 1

CANDIDATE'S ANSWER	CORRECT ANSWER
An action taken by an aspect at a particular join point	
A point during the execution of a program	
An aspect and a pointcut	
A predicate that matches join points	

Problem 9 : Integrating with Spring Framework

Select one or more correct answers about Spring bean life cycle.

Solution

REJECTED   SCORE: **0.0** / 1

The method annotated with @PostConstruct is called after bean instantiation and before properties setting of the bean

The method @PreDestroy of a prototype bean is called when the bean is garbage collected

CANDIDATE'S ANSWER

The init() method declared in the init-method attribute of a bean is called before the afterPropertiesSet callback method of the InitializingBean interface

CORRECT ANSWER

The method annotated with @PostConstruct is called before before the afterPropertiesSet callback method of the InitializingBean interface

Problem 10 : Integrating with Spring Framework

MCQ | SCORE: **1**

If a bean is scoped to HTTP request, scope is

Solution

REJECTED | SCORE: **0.0** / 1

session

global-session

CANDIDATE'S ANSWER
prototype

CORRECT ANSWER

request

Problem 11 : Integrating with Spring Framework

MCQ   SCORE: **1**

Which are the modules of Web layer?

Solution

ACCEPTED   SCORE: **1.0** / 1

CANDIDATE'S ANSWER	CORRECT ANSWER
WebSocket, Servlet, Web, Portlet	
WebSocket, Servlet, Web-MVC, Web	
HTML, JSP, WEB, Portlet	
HTML, Servlet, WEB, Portlet	

Problem 12 : Integrating with Spring Framework

MCQ SCORE: **1**

Which of the following class can be used to execute Sql queries in Spring?

Solution

ACCEPTED SCORE: **1.0** / 1

JDBCHelper

CANDIDATE'S ANSWER　　　　　　　　　　　　　　　　**CORRECT ANSWER**
JdbcTemplate

DBHelper

DBTemplate

Problem 13 : Integrating with Spring Framework

MCQ SCORE: **2**

Can we integrate Spring with Struts?

Solution

ACCEPTED SCORE: **2.0** / 2

Maybe

CANDIDATE'S ANSWER   **CORRECT ANSWER**

Yes

No

None of these

Problem 14 : Integrating with Spring Framework

Which class represents the IoC container?

Solution

ACCEPTED SCORE: **2.0** / 2

CANDIDATE'S ANSWER	CORRECT ANSWER
ApplicationContext	
ServletContext	
SpringContext	
None of these	

Problem 15 : Integrating with Spring Framework

MCQ   SCORE: **2**

How can you get the object of DAO in Spring framework?

Solution

REJECTED   SCORE: **0.0** / 2

Using new keyword

CORRECT ANSWER

Using Spring Dependency injection

CANDIDATE'S ANSWER
Both are Correct

None of these

Problem 16 : Integrating with Spring Framework

MCQ   SCORE: **2**

Expression Language is the part of Core Container in Spring Framework.

Solution

ACCEPTED   SCORE: **2.0** / 2

CANDIDATE'S ANSWER	CORRECT ANSWER
TRUE	
FALSE	