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

Submitted on Aug 25 2023 08:03:10 IST

**10.0 (50%)**

scored out of 20

**Passed**in the assignment (Cut-off score \geq 40%)**16**

problems attempted out of 16

Test time analysis

**21m 38s**

time taken for completion

**Jul 17 2023 09:50:27 IST**

test invite time

**Aug 25 2023 07:41:31 IST**

test start time

**Aug 25 2023 08:03:10 IST**

test end time

Performance summary

**7**

solutions accepted

**9**

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	ACCEPTED	1.0 / 1
Integrating with Spring Framework	MCQ	ACCEPTED	1.0 / 1
Integrating with Spring Framework	MCQ	REJECTED	0.0 / 1
Integrating with Spring Framework	MCQ	ACCEPTED	1.0 / 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	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 / 2
Integrating with Spring Framework	MCQ	ACCEPTED	2.0 / 2
Integrating with Spring Framework	MCQ	ACCEPTED	2.0 / 2
Integrating with Spring Framework	MCQ	ACCEPTED	2.0 / 2

Detailed Report

Problem 1 : Integrating with Spring Framework

MCQ

SCORE: 1

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

ACCEPTED

SCORE: 1.0 / 1

With the name attribute of the @Autowired annotation

By using the single @Qualifier annotation

CANDIDATE'S ANSWER

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

CORRECT ANSWER

CANDIDATE'S ANSWER

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

CORRECT ANSWER

Problem 4 : Integrating with Spring Framework

MCQ

SCORE: 1

What is the default rollback policy in transaction management?

Solution

ACCEPTED

SCORE: 1.0 / 1

Rollback for any Exception

CANDIDATE'S ANSWER

Rollback for RuntimeException

CORRECT ANSWER

Rollback for checked exceptions

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

CANDIDATE'S ANSWER

Yes using the @Transactional bean post processor

No

Problem 6 : Integrating with Spring Framework

MCQ

SCORE: 1

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

Solution

ACCEPTED

SCORE: 1.0 / 1

JDBC	
CANDIDATE'S ANSWER	CORRECT ANSWER
NoSQL	
Hibernate	
JPA	

Problem 7 : Integrating with Spring Framework

MCQ

SCORE: 1

What are the unique correct answers about Spring AOP support?

Solution

ACCEPTED

SCORE: 1.0 / 1

An advice could proxy a constructors class

CANDIDATE'S ANSWER

A point cut could select methods that have a custom annotation

CORRECT ANSWER

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

REJECTED

SCORE: 0.0 / 1

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

CANDIDATE'S ANSWER

A predicate that matches join points

Problem 9 : Integrating with Spring Framework

MCQ

SCORE: 1

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

Solution

REJECTED

SCORE: 0.0 / 1

CANDIDATE'S ANSWER

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

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	
CANDIDATE'S ANSWER global-session	
prototype	
request	CORRECT ANSWER

Problem 11 : Integrating with Spring Framework

MCQ

SCORE: 1

Which are the modules of Web layer?

Solution

REJECTED

SCORE: 0.0 / 1

CORRECT ANSWER

WebSocket, Servlet, Web, Portlet

WebSocket, Servlet, Web-MVC, Web

HTML, JSP, WEB, Portlet

CANDIDATE'S ANSWER

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

REJECTED

SCORE: 0.0 / 1

CANDIDATE'S ANSWER

JDBCHelper

CORRECT ANSWER

JdbcTemplate

DBHelper

DBTemplate

Problem 13 : Integrating with Spring Framework

MCQ

SCORE: 2

Can we integrate Spring with Struts?

Solution

REJECTED

SCORE: 0.0 / 2

CANDIDATE'S ANSWER

Maybe

CORRECT ANSWER

Yes

No

None of these

Problem 14 : Integrating with Spring Framework

MCQ

SCORE: 2

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

ACCEPTED

SCORE: 2.0 / 2

Using new keyword

CANDIDATE'S ANSWER

Using Spring Dependency injection

CORRECT 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	