

Spring 3 Certification Mock (1 / 50)

Using Spring how can we achieve Java serialization via HTTP

- ☐ Using HTTPRequest / HTTPResponse
- ☐ Remote Method Invocation (RMI)
- ☐ HttpInvokerProxyFactoryBean
- ☐ HTTPSession
- ☐ HttpInvokerServiceExporter

Spring 3 Certification Mock (2 / 50)

How do you show a link only to ROLE_1 users in a JSP?

- ☐

```
<security:authorize ifAnyGranted="ROLE_1">
  link goes here
</security:authorize>
```
- ☐

```
<security:isAuthorized ifAnyGranted="ROLE_1">
  link goes here
</security:isAuthorized>
```
- ☐

```
<security:authorize rolesAllowed="ROLE_1">
  link goes here
</security:authorize>
```
- ☐

```
<security:isAuthorized rolesAllowed="ROLE_1">
  link goes here
</security:isAuthorized>
```
- ☐ none of the above

Spring 3 Certification Mock (3 / 50)

Given following integration test:

```
@RunWith(SpringJUnit4ClassRunner.class)
@DirtiesContext
@ContextConfiguration
public class DaoTest {
    //test methods
}
```

When context will be reloaded ?

- ☐ After each method call
- ☐ After test class
- ☐ None of the above

Spring 3 Certification Mock (4 / 50)

Given following class:

```
public class MyBean {
    private String description;

    private MyBean(String description) {
        this.description = description;
    }

    public void setDescription(String description) {
        this.description = description;
    }

    public String getDescription() {
        return description;
    }

    public static void main(String ... arg) {
        ApplicationContext applicationContext = new ClassPathXmlApplicationContext
("spring-config.xml");
        MyBean myBean = applicationContext.getBean("myBean", MyBean.class);
        System.out.println(myBean.getDescription());
    }
}
```

and following XML configuration metadata (spring-config.xml):

```
<beans>
  <bean class="MyBean" id="myBean">
    <constructor-arg name="description" value="constructor description"/>
    <property name="description" value="setter description"/>
  </bean>
</beans>
```

What will be printed to the console after the application runs:

-
- ☐ Nothing. Exception will be thrown because constructor is not public.
 - ☐ Nothing. Exception will be thrown because it is not allowed to mix injection types for one property.
 - ☐ Nothing. Exception will be thrown because injection by argument name is not supported for constructor injection.
 - ☐ constructor description
 - ☐ setter description

Spring 3 Certification Mock (5 / 50)

PlatformTransactionManager is an interface and it can be easily mocked or stubbed as necessary?

-
- ☐ True
 - ☐ False

Spring 3 Certification Mock (6 / 50)

Spring lets you export which of the following as MBeans?

-
- ☐ existing MBeans
 - ☐ POJOs
 - ☐ both
 - ☐ neither

Spring 3 Certification Mock (7 / 50)

Given following web.xml configuration:

```
<web-app
    version="2.5">
    <servlet>
        <servlet-name>dispatcher</servlet-name>
        <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-
class>
        <load-on-startup>1</load-on-startup>
    </servlet>
    <servlet-mapping>
        <servlet-name>dispatcher</servlet-name>
        <url-pattern>/*</url-pattern>
    </servlet-mapping>
</web-app>
```

Which path should has file that contains XML configuration metadata for *ApplicationContext* of given *DispatcherServlet*?

- ☐ /WEB-INF/application-context.xml
- ☐ /application-context.xml
- ☐ /WEB-INF/dispatcher-context.xml
- ☐ /dispatcher-context.xml
- ☐ /WEB-INF/dispatcher-servlet.xml
- ☐ /dispatcher-servlet.xml

Spring 3 Certification Mock (8 / 50)

Suppose I have an aspect:

```
@Before ("execution(* method* () ")
```

and the following class:

```
public class MyClass() {
    public void method1() {
        method2();
    }
    public void method2() {
    }
}
```

If I call, `myClass.method1()`, from another class, which methods does the advice run against?

- ☐ method1
- ☐ method2
- ☐ both
- ☐ neither

Spring 3 Certification Mock (9 / 50)

How can you use the p namespace to refer to the *firstBean* when configuring the *secondBean* below? Choose the correct answer.

```
<bean id="firstBean" class="com.company.First"/>
```

```
public class Second {  
  
    public void setFirst(First first) {  
        // do something with first  
    }  
}
```

- ☐

```
<bean id="secondBean" class="com.company.Second"  
    p:first="firstBean" />
```
- ☐

```
<bean id="secondBean" class="com.company.Second"  
    p:first-ref="firstBean" />
```
- ☐

```
<bean id="secondBean" class="com.company.Second"  
    p="firstBean" />
```

Spring 3 Certification Mock (10 / 50)

Which element is used to perform autodetection of registered beans that are annotated with @Aspect annotation ? (just name without namespace)

Answer:

Spring 3 Certification Mock (11 / 50)

Given following aspect:

```
package beans;
```

```
import org.aspectj.lang.annotation.AfterReturning;  
import org.aspectj.lang.annotation.Aspect;
```

```
@Aspect  
public class MyAspect {  
    @AfterReturning("execution(* method())")  
    public void apply() {  
        //something useful  
    }  
}
```

And following configuration XML metadata:

```
<beans>  
    <aop:aspectj-autoproxy/>  
    <context:component-scan base-package="beans"/>  
</beans>
```

Is it enough to automatically detect beans.MyAspect aspect ?

- ☐ True
- ☐ False

Spring 3 Certification Mock (12 / 50)

What is the purpose of the MBeanExporter?

- ☐ expose POJO as MBean
- ☐ read a remote MBean
- ☐ publish MBean to server
- ☐ none of the above

Spring 3 Certification Mock (13 / 50)

Which methods are in class *JmsTemplate*?

- ☐ send
- ☐ onMessage
- ☐ convertAndSend
- ☐ receiveAndConvert
- ☐ handleMessage

Spring 3 Certification Mock (14 / 50)

Benefits of Spring's *JmsTemplate* are:

- ☐ Delegates work to *DestinationResolvers* and *HandlerMappings*
- ☐ Simplifies the usage of the JMS by managing of resources
- ☐ Translates checked exceptions into runtime equivalents

Spring 3 Certification Mock (15 / 50)

Which of the following pointcuts match following method definition?

Any method named save whose first parameter is an int and 0 or more parameters may follow

- ☐ execution(save(int))
- ☐ execution(* save(int,..))
- ☐ execution(* save(int,*))
- ☐ execution(* save(..))
- ☐ execution(int,..)
- ☐ execution(save.*(int,..))
- ☐ execution(save.*(..))
- ☐ execution(* save(int*))

Spring 3 Certification Mock (16 / 50)

Which HTTP method will you use to create object in the application ?

- ☐ GET
- ☐ POST
- ☐ PUT
- ☐ DELETE

Spring 3 Certification Mock (17 / 50)

Fill in the blank to look up a datasource from an application server's JNDI.

```
<jee:_____ id="ds" jndi-name="java:comp/env/jdbc/DS" />
```

Answer:

Spring 3 Certification Mock (18 / 50)

It is possible to get a `NamedParameterJdbcTemplate` from which of the following classes:

- ☐ `CallableJdbcTemplate`
- ☐ `ComplexJdbcTemplate`
- ☐ `NamedParameterJdbcTemplate`
- ☐ `SimpleJdbcTemplate`
- ☐ none of the above

Spring 3 Certification Mock (19 / 50)

Given following controller:

```
@RequestMapping("/test")
@Controller
public class TestController {

    @RequestMapping("/doTest")
    public String doTest(HttpSession session) {
        return "home";
    }
}
```

Will method `TestController#doTest` be called only if the HTTP Session exists ?

- ☐ No
- ☒ Yes
- ☐ HttpSession parameter can not be passed in @RequestMapping methods

Spring 3 Certification Mock (20 / 50)

The available prefixes for `ClassPathXmlApplicationContext` look up are

- ☐ `classpath:`
- ☐ `file:`
- ☐ `http:`
- ☐ `https:`
- ☐ `ftp:`

Spring 3 Certification Mock (21 / 50)

Which 4 isolation levels of transactions can be used?

- ☐ REPEATABLE_UPDATE
- ☐ READ_UNCOMMITTED
- ☐ UPDATE_COMMITTED
- ☐ READ_COMMITTED
- ☐ READ_ROLLEDBACK
- ☐ REPEATABLE_READ
- ☐ SERIALIZABLE
- ☐ UPDATE_UNCOMMITTED

Spring 3 Certification Mock (22 / 50)

Given following Java code:

```
@Configuration
public class MyConfiguration {
    @Bean
    public FirstBean firstBean() {
        return new FirstBean();
    }

    @Bean
    public SecondBean secondBean() {
        return new SecondBean(firstBean());
    }

    public static void main(String[] args) {
        ApplicationContext applicationContext = new
AnnotationConfigApplicationContext(MyConfiguration.class);
    }
}

public class FirstBean {
    public FirstBean() {
        System.out.println("first bean created");
    }
}

public class SecondBean {
    private FirstBean firstBean;

    public SecondBean(FirstBean firstBean) {
        this.firstBean = firstBean;
    }
}
```

How many times string "first bean created" will be printed to the console ?

- ☐ 0
- ☐ 1
- ☐ 2

Spring 3 Certification Mock (23 / 50)

In your web.xml, what is the required name of the security filter?

```
<filter>
  <filter-name>_____</filter-name>
  <filter-class>org.springframework.web.filter.DelegatingFilterProxy</filter-class>
</filter>
```

- ☐ securityFilterChain
- ☐ securitySpringFilterChain
- ☐ springSecurityFilter
- ☐ springSecurityFilterChain
- ☐ none of the above

Spring 3 Certification Mock (24 / 50)

What type of *Resource* will be returned by *ResourceLoader* for resource string without any prefix if underlying *ApplicationContext* is *XmlWebApplicationContext* (non qualified class name) ?

Answer:

Spring 3 Certification Mock (25 / 50)

When configuring a *HibernateTemplate*, what do you need to inject?

- ☐ AnnotationSessionFactory
- ☐ Connection
- ☐ DataSource
- ☐ LocalSessionFactory
- ☐ SessionFactory

Spring 3 Certification Mock (26 / 50)

Given two transactions:

T1

1. SELECT * FROM EVENTS
4. SELECT * FROM EVENTS

and T2

2. INSERT INTO EVENTS VALUES (...)
3. COMMIT

SQL queries are performed in order 1, 2, 3, 4

Which isolation level is needed to prevent Phantom reads ?

- ☐ READ_UNCOMMITTED
- ☐ READ_COMMITTED
- ☐ REPEATABLE_READ
- ☐ SERIALIZABLE

Spring 3 Certification Mock (27 / 50)

Given following class:

```
public class MyBean implements InitializingBean {
    @PostConstruct
    public void afterPropertiesSet() throws Exception {
        //something useful
    }

    public static void main(String[] args) {
        ApplicationContext applicationContext = new ClassPathXmlApplicationContext
("spring-config.xml");
    }
}
```

And following XML configuration metadata (spring-config.xml):

```
<beans>
    <bean class="MyBean" id="myBean">
    </bean>
</beans>
```

How many times MyBean#afterPropertiesSet() method will be called ?

- ☐ 0
- ☐ 1
- ☐ 2

Spring 3 Certification Mock (28 / 50)

Given the *SomeService* bean below, which line(s) can independently be inserted in the application context to make it valid? Select all that apply.

SomeServiceImpl.java

```
package com.company;

public class SomeServiceImpl implements SomeService {

    @Override
    public void setList(List<String> list) {
        // Do something useful with the list
    }
}
```

applicationContext.xml

```
[...]
<bean id="someService" class="com.company.SomeServiceImpl">
<!-- insert code here -->
</bean>
[...]
```

☐ Nothing is required, i.e. the line can be left empty.

☐ `<property name="list" />`

☐ `<property name="list" value="null" />`

☐ `<property name="list">
</property>`

☐ `<property name="list">
<null />
</property>`

☐ `<property name="list">
<value>hello</value>
</property>`

☐ `<property name="list">
<list>
<null />
</list>
</property>`

☐ `<property name="list">
<list>
<value>hello</value>
</list>
</property>`

Spring 3 Certification Mock (29 / 50)

Given following Java code:

```
@Component
public class MyComponent {
    @Bean
    public FirstBean firstBean() {
        return new FirstBean();
    }

    @Bean
    public SecondBean secondBean() {
        return new SecondBean(firstBean());
    }

    public static void main(String[] args) {
        ApplicationContext applicationContext = new AnnotationConfigApplicationContext(MyComponent.class);
    }
}

public class FirstBean {
    public FirstBean() {
        System.out.println("first bean created");
    }
}

public class SecondBean {
    private FirstBean firstBean;

    public SecondBean(FirstBean firstBean) {
        this.firstBean = firstBean;
    }
}
```

How many times string "first bean created" will be printed to the console ?

☐ 0

☐ 1

☐ 2

Spring 3 Certification Mock (30 / 50)

Do the following lines of code equal ?

First:

```
ApplicationContext applicationContext = new FileSystemXmlApplicationContext("/resources/spring-config.xml")
```

Second:

```
ApplicationContext applicationContext = new FileSystemXmlApplicationContext("file:/resources/spring-config.xml")
```

☐ True

☐ False

Spring 3 Certification Mock (31 / 50)

init-method in bean definition can have any visibility.

- ☐ True
- ☐ False

Spring 3 Certification Mock (32 / 50)

Assume that you have correctly defined RMI Service exporter in your bean configuration file. Select one correct statement from following.

- ☐ Loading ApplicationContext will expose your RMI Service automatically.
- ☐ Loading BeanFactory will expose your RMI Service automatically.
- ☐ Loading either ApplicationContext/BeanFactory will expose your RMI Service automatically.
- ☐ Just loading ApplicationContext or BeanFactory is not enough, you will have to manually expose your RMI Service.
- ☐ None of above

Spring 3 Certification Mock (33 / 50)

Suppose MyBean is a non-final concrete class with annotation defined

```
@SomeAnnotation
public class MyBean {
    ...
}
```

A proxy is generated around MyBean's methods to implement AOP. What is value of b?

```
MyBean mine = (MyBean) ctx.getBean("name");
boolean b = mine.getClass().isAnnotationPresent(SomeAnnotation.class);
```

- ☐ True
- ☐ False

Spring 3 Certification Mock (34 / 50)

It is possible to get a SimpleJdbcTemplate from which of the following classes:

- ☐ CallableJdbcTemplate
- ☐ ComplexJdbcTemplate
- ☐ NamedParameterJdbcTemplate
- ☐ SimpleJdbcTemplate
- ☐ none of the above

Spring 3 Certification Mock (35 / 50)

Given following class:

```
public class MyBean implements DisposableBean {
    public void destroy() throws Exception {
        //something usefull
    }

    public static void main(String[] args) {
        ConfigurableApplicationContext applicationContext = new ClassPathXmlApplicationContext("spring-
config.xml");
        MyBean myBean = (MyBean)applicationContext.getBean("myBean", MyBean.class);
        applicationContext.registerShutdownHook();
    }
}
```

And following XML configuration metadata (spring-config.xml):

```
<beans>
    <bean id="myBean" class="MyBean" destroy-method="destroy" scope="prototype">
    </bean>
</beans>
```

How many times MyBean#destroy method will be called ?

- ☐ 0
- ☐ 1
- ☐ 2

Spring 3 Certification Mock (36 / 50)

The defined class `<bean class="blub">` will throw an exception because it is not referenceable.

- ☐ True
- ☐ False

Spring 3 Certification Mock (37 / 50)

Parameter of which type should be declared for `@Around` advice ?

- ☐ JoinPoint
- ☐ ProceedingJoinPoint
- ☐ CallableJoinPoint
- ☐ ExecutionJoinPoint
- ☐ Pointcut
- ☐ `@Around` advice does not require any parameter

Spring 3 Certification Mock (38 / 50)

Which of the following are valid ways to run the following query in Spring?

```
String sql = select max(myVarCharColumn) from table
```

- ☐ `String result = jdbcTemplate.queryForInt(sql);`
- ☐ `String result = jdbcTemplate.queryForString(sql);`
- ☐ `String result = jdbcTemplate.queryForObject(sql);`
- ☐ `String result = (String) jdbcTemplate.queryForObject(sql);`
- ☐ `String result = jdbcTemplate.queryForObject(sql, String.class);`

Spring 3 Certification Mock (39 / 50)

Given that name of the `PlatformTransactionManager` bean is "transactionManager" which annotations are required to switch on transactions support in following test

```
@RunWith(SpringJUnit4ClassRunner.class)
@ContextConfiguration
public class DaoTest {
    //test methods
}
```

- ☐ `@Transactional`
- ☐ `@TransactionConfiguration(transactionManager = "transactionManager")`
- ☐ `@TestExecutionListeners({TransactionalTestExecutionListener.class})`
- ☐ None of the above

Spring 3 Certification Mock (40 / 50)

Which event is published when context is initialized ?

- ☐ ContextStartedEvent
- ☐ ContextRefreshedEvent
- ☐ ContextInitializedEvent
- ☐ ContextReadyEvent

Spring 3 Certification Mock (41 / 50)

Which Annotation definition overrides the class-level defaultRollback setting correctly?

- ☐ `@RunWith(SpringJUnit4ClassRunner.class)`
`@ContextConfiguration`
`@TransactionConfiguration(transactionManager="txMgr", defaultRollback=false)`
`@Transactional`
`public class FictitiousTransactionalTest {`
`...`
`@Test`
`// overrides the class-level defaultRollback setting`
`@Commit(false)`
`public void modifyDatabaseWithinTransaction() {`
`...`
- ☐ `@RunWith(SpringJUnit4ClassRunner.class)`
`@ContextConfiguration`
`@TransactionConfiguration(transactionManager="txMgr", defaultRollback=false)`
`@Transactional`
`public class FictitiousTransactionalTest {`
`...`
`@Test`
`// overrides the class-level defaultRollback setting`
`@Rollback`
`public void modifyDatabaseWithinTransaction() {`
`...`
- ☐ `@RunWith(SpringJUnit4ClassRunner.class)`
`@ContextConfiguration`
`@TransactionConfiguration(transactionManager="txMgr", defaultRollback=false)`
`@Transactional`
`public class FictitiousTransactionalTest {`
`...`
`@Test`
`// overrides the class-level defaultRollback setting`
`@Commit`
`public void modifyDatabaseWithinTransaction() {`
`...`
- ☐ `@RunWith(SpringJUnit4ClassRunner.class)`
`@ContextConfiguration`
`@TransactionConfiguration(transactionManager="txMgr", defaultRollback=false)`
`@Transactional`
`public class FictitiousTransactionalTest {`
`...`
`@Test`
`// overrides the class-level defaultRollback setting`
`@TransactionRollback(true)`
`public void modifyDatabaseWithinTransaction() {`
`...`
- ☐ `@RunWith(SpringJUnit4ClassRunner.class)`
`@ContextConfiguration`
`@TransactionConfiguration(transactionManager="txMgr", defaultRollback=false)`
`@Transactional`
`public class FictitiousTransactionalTest {`
`...`
`@Test`
`// overrides the class-level defaultRollback setting`
`@TransactionCommit(false)`
`public void modifyDatabaseWithinTransaction() {`
`...`

Spring 3 Certification Mock (42 / 50)

Spring 3.0 provides a context look up for a bean with id with a mandatory class casting.

- ☐ True
- ☐ False

Spring 3 Certification Mock (43 / 50)

@Resource annotation supports byType autowiring.

- ☐ True
- ☐ False

Spring 3 Certification Mock (44 / 50)

Which of the following match methods in the class `com.blackbeltfactory.mine.MyBean` ?

- ☐ `execution (* com.blackbeltfactory.mine.MyBean.*())`
- ☐ `execution (* com.MyBean.*())`
- ☐ `execution (* com..MyBean.*())`
- ☐ `execution (* com.*MyBean.*())`
- ☐ `execution (* com.*.MyBean.*())`
- ☐ none of the above

Spring 3 Certification Mock (45 / 50)

Does Spring allow specify bean class through Properties ?

- ☐ True
- ☐ False

Spring 3 Certification Mock (46 / 50)

@Inject annotation supports **required** attribute (TRUE or FALSE)

- ☐ True
- ☐ False

Spring 3 Certification Mock (47 / 50)

Given following controller:

```
@RequestMapping("/tests")
@Controller
public class TestController {

    @RequestMapping("/{time}")
    public String doTest(@PathVariable Date time) {
        return "home";
    }
}
```

Is declaration of TestController#doTest method correct ?

- ☐ True
- ☐ False

Spring 3 Certification Mock (48 / 50)

Which types of filters can be used in **component-scan** element ?

- ☐ default
- ☐ regex
- ☐ package
- ☐ assignable
- ☐ aspectj
- ☐ special
- ☐ custom
- ☐ annotation

Spring 3 Certification Mock (49 / 50)

If you were using Join Points, Pointcuts & Advice

What would you be using?

- ☐ Bean Container
- ☐ Aspect orientated programming
- ☐ Transactions
- ☐ JMX
- ☐ JMS
- ☐ Hibernate

Spring 3 Certification Mock (50 / 50)

Which attribute should be used in @AfterReturning annotation to get value that was returned from method call ?

Answer: