

Instructions



How is it going ? Do you have problems with practical tasks ? Any concerns with learning materials ?

3 responses



Today's agenda

- Total Recall
- Spring Framework
- Quiz
- Questions

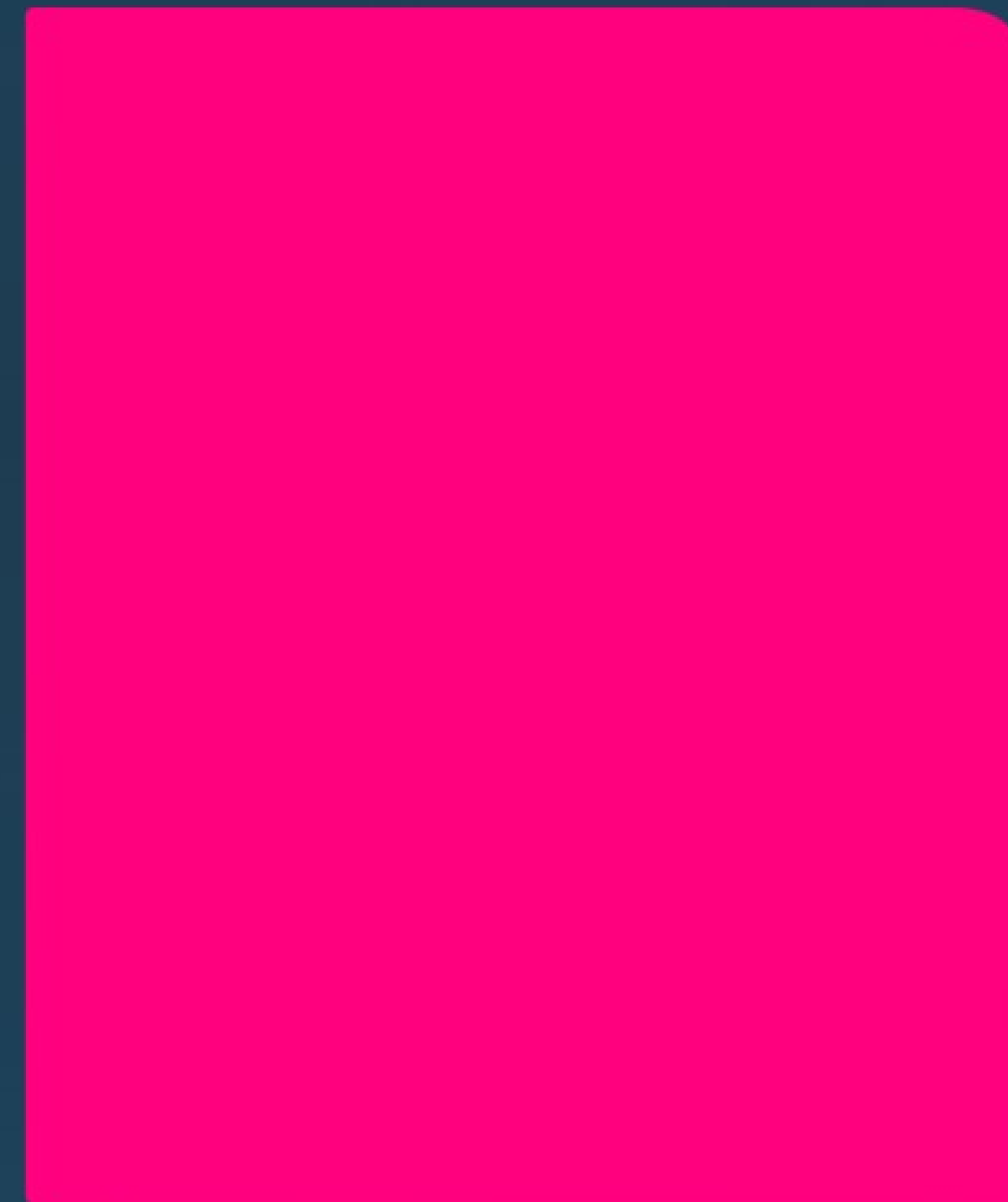
Total Recall

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What do you remember from the previous workshop ?

Which interface must be implemented by a filter in Java servlets?

4 ✓



0 ✗

A) FilterConfig.

0 ✗

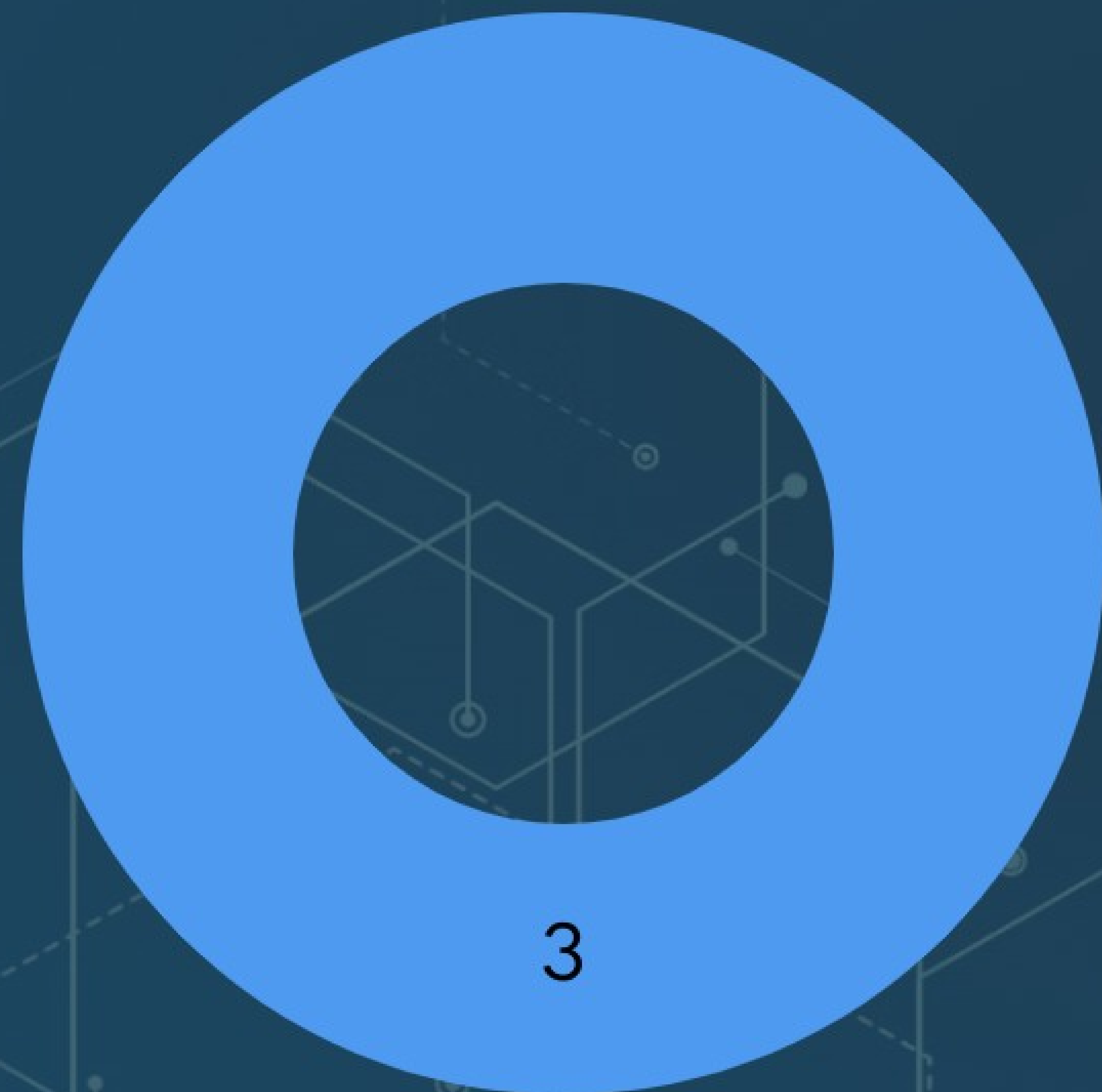
B) FilterChain.

C) Filter.

0 ✗

D) ServletFilter.

How do you map a filter to a specific servlet or URL pattern?



3

A) By using ``<filter-mapping>`` in web.xml.



0

B) By adding an annotation in the servlet code.



0

C) By creating a database entry for the filter.

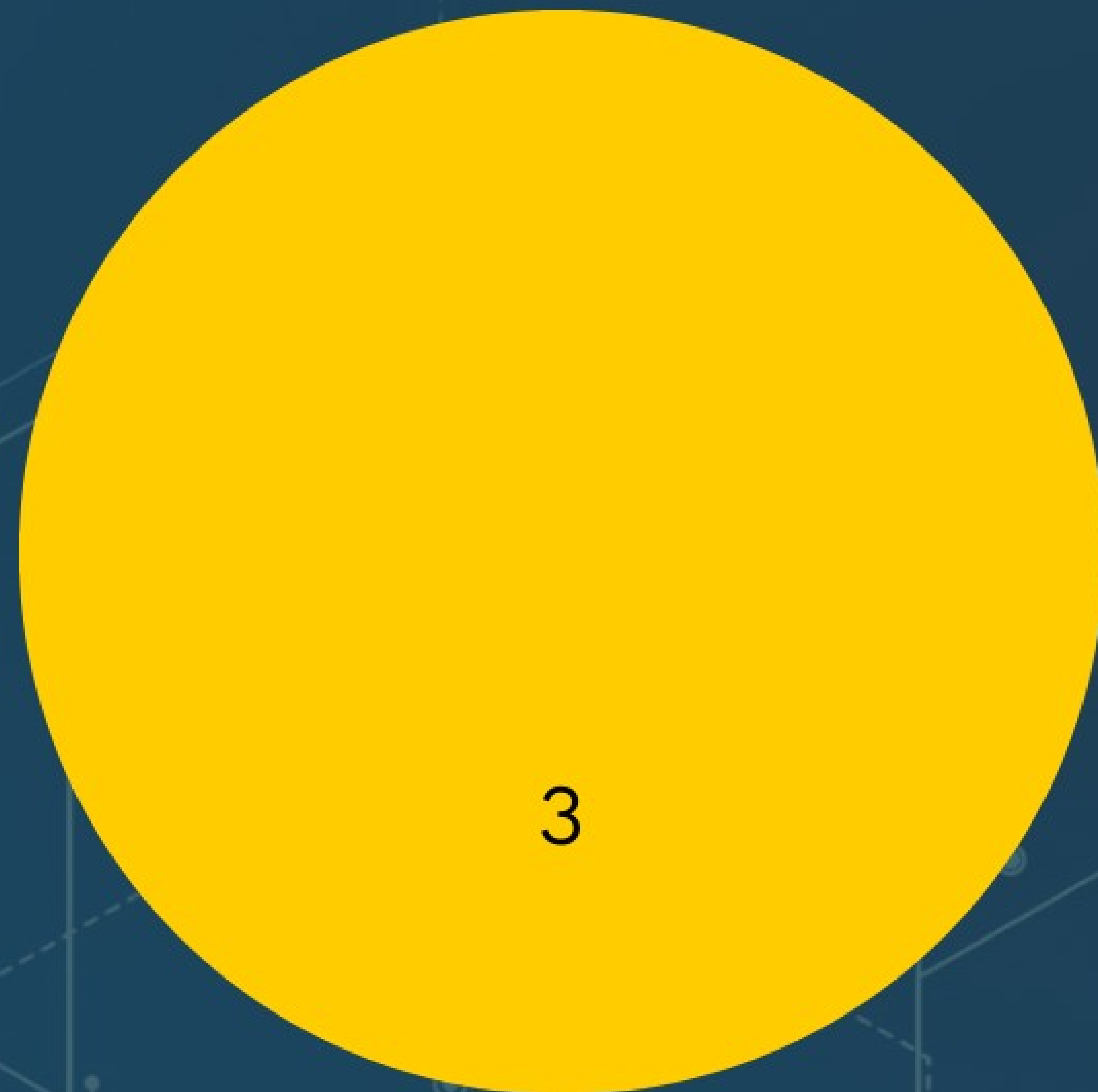


0

D) By configuring the filter in the session object.



Where do you configure listeners in a Java web application?



- ☐ 0 A) In the servlet code. ✗
- ☒ 3 B) In the web.xml deployment descriptor file. ✓
- ☐ 0 C) In the HTTP header configuration. ✗
- ☐ 0 D) In the application's root directory. ✗

What does JSTL stand for in the context of JSP?



A) Java Standard Tag Library.



0

B) Java Server Template Library.



0

C) JSP Standard Template Library.



0

D) JSP Servlet Tag Library.



Spring Core (ws-15)

SERVLET

Have you started 'Spring Core'?

3

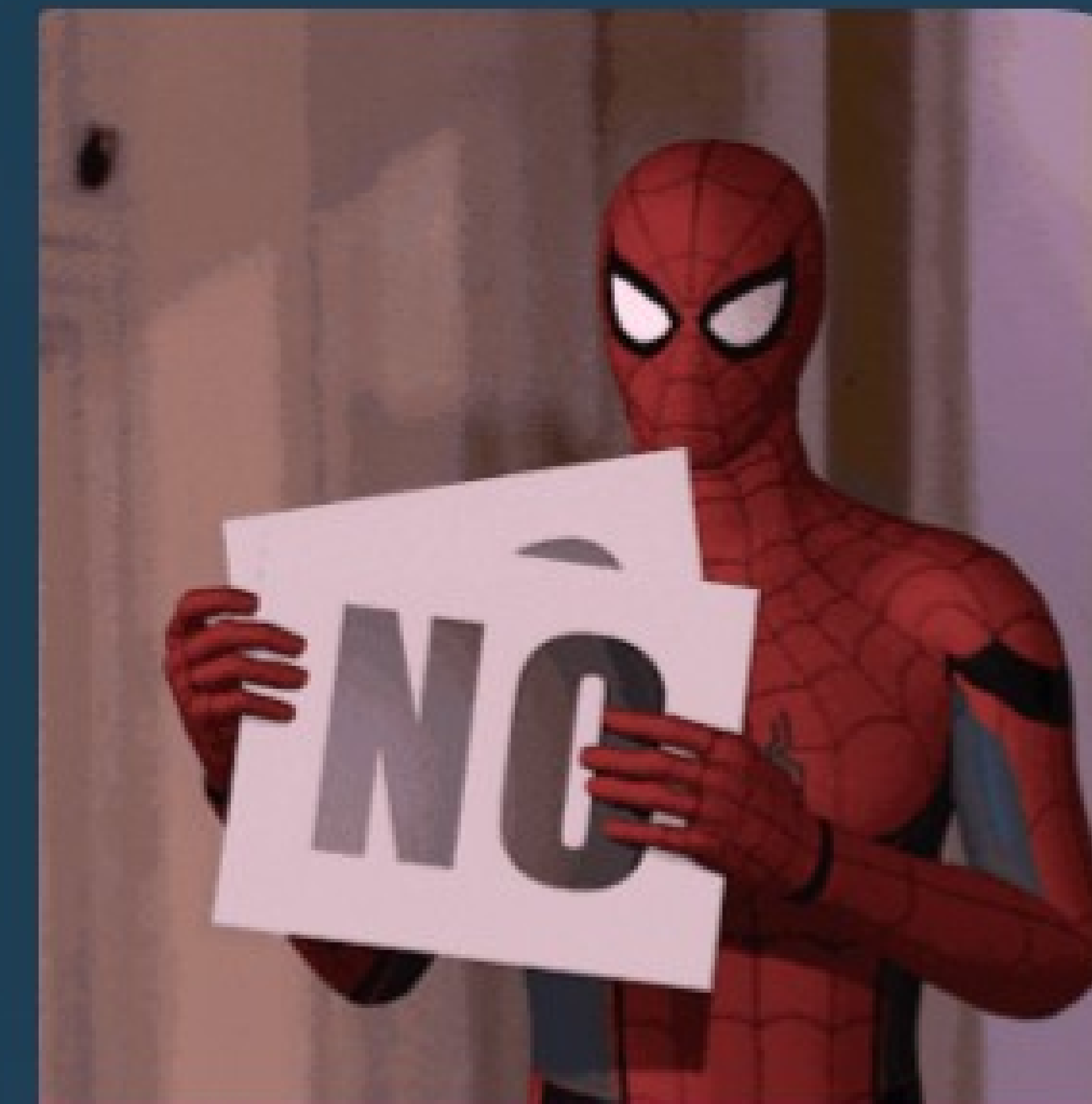
yessssssss

1



?!?!?!?!?!?!?!?!?!?!?!?!?!?!?!?

4



noooooooo

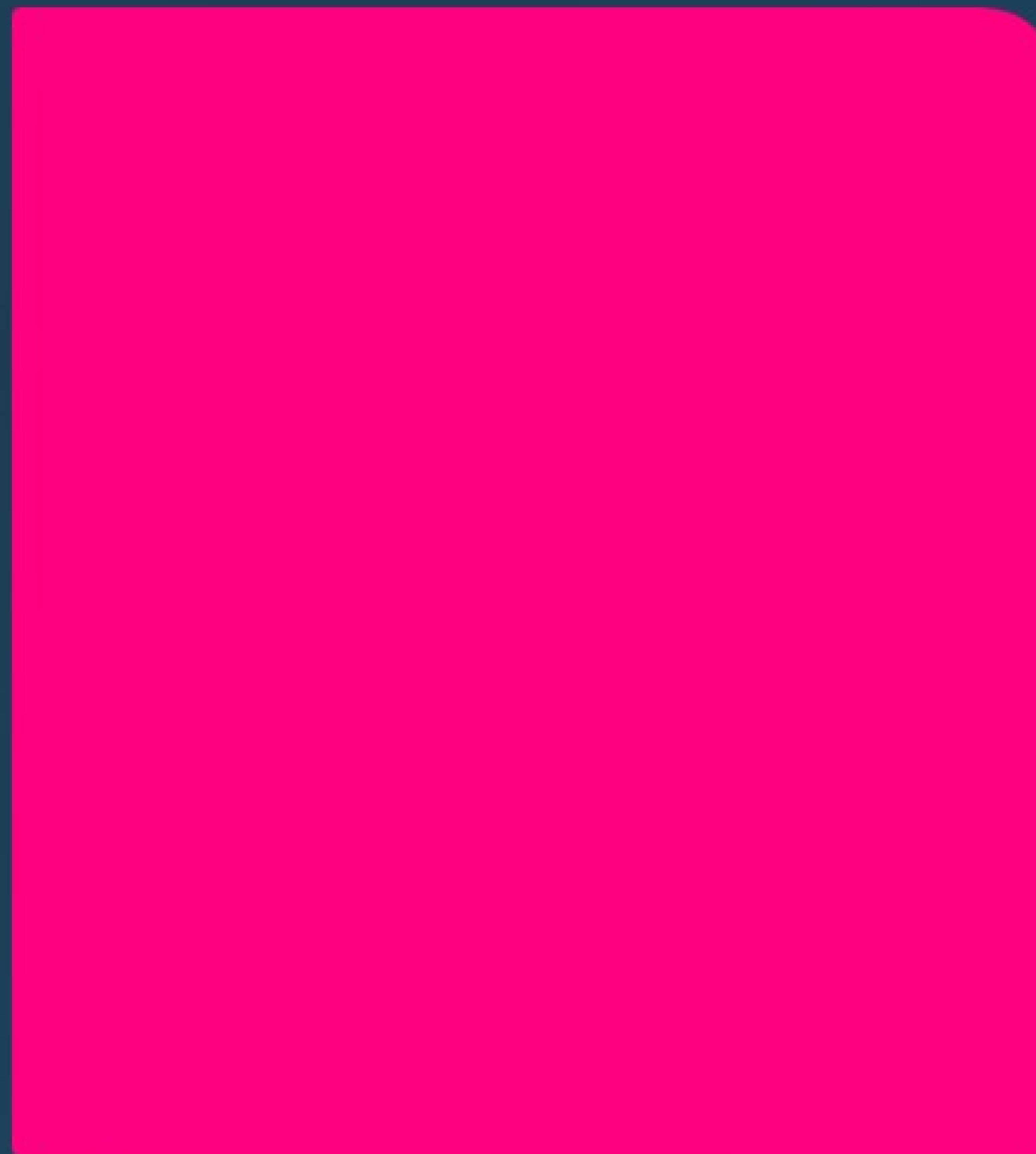
Spring

practice...

Quiz

What is core component of Spring Framework that provides the basic functionality for configuration and dependency injection?

5 ✓



C) Spring Container.

1 ✗



B) Spring MVC.

1 ✗



D) Spring AOP.

0 ✗

A) Hibernate.

Which concept in Spring Architecture is primarily responsible for simplifying the development of loosely coupled applications?

7 ✓



1 ✗



A) Aspect-Oriented Programming.

B) Dependency Injection.

0 ✗

C) Data Access.

0 ✗

D) MVC Design Pattern.

What does the term "IoC" stand for in the Spring IoC Container?

8 ✓

0 ✗

A) Inversion of Classes.

0 ✗

B) Initialization of Components.

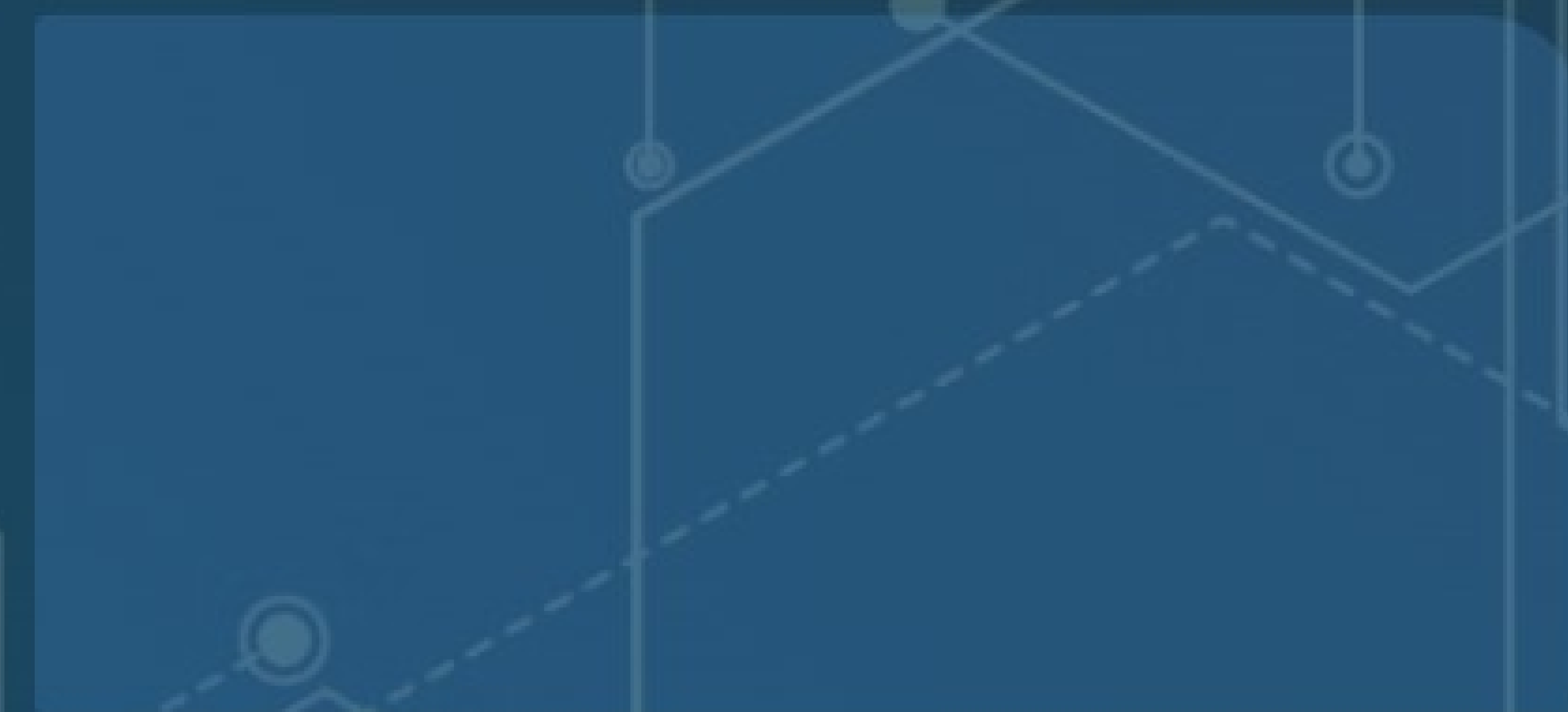
C) Inversion of Control.

0 ✗

D) Internal Object Configuration.

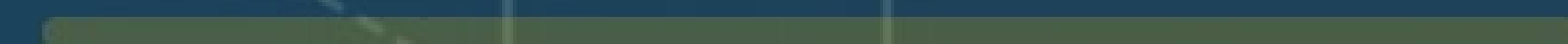
Which of the following is NOT a type of IoC container provided by the Spring Framework?

2 ✕



A) BeanFactory.

0 ✕



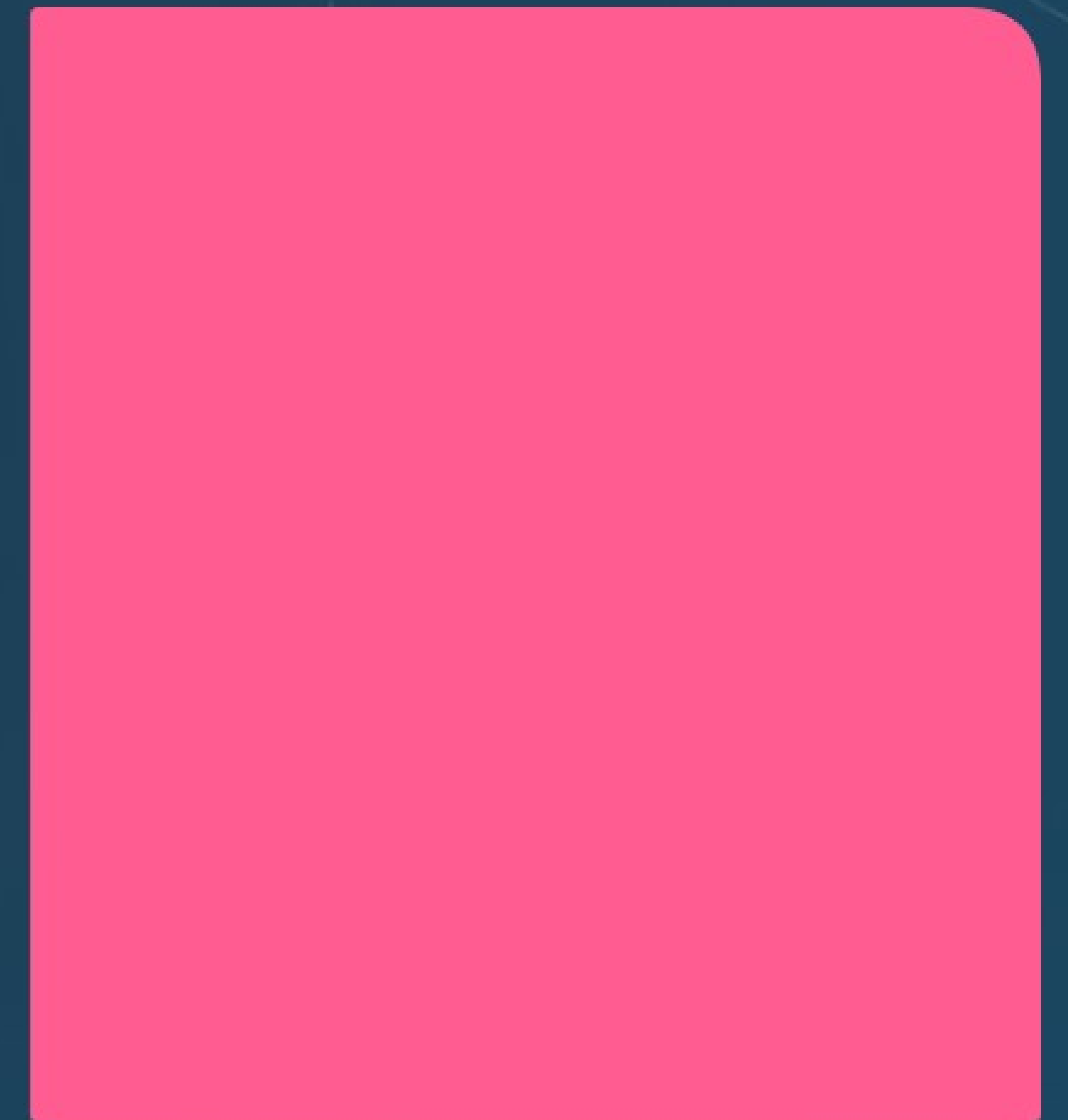
B) ApplicationContext.

1 ✕



C) WebApplicationContext.

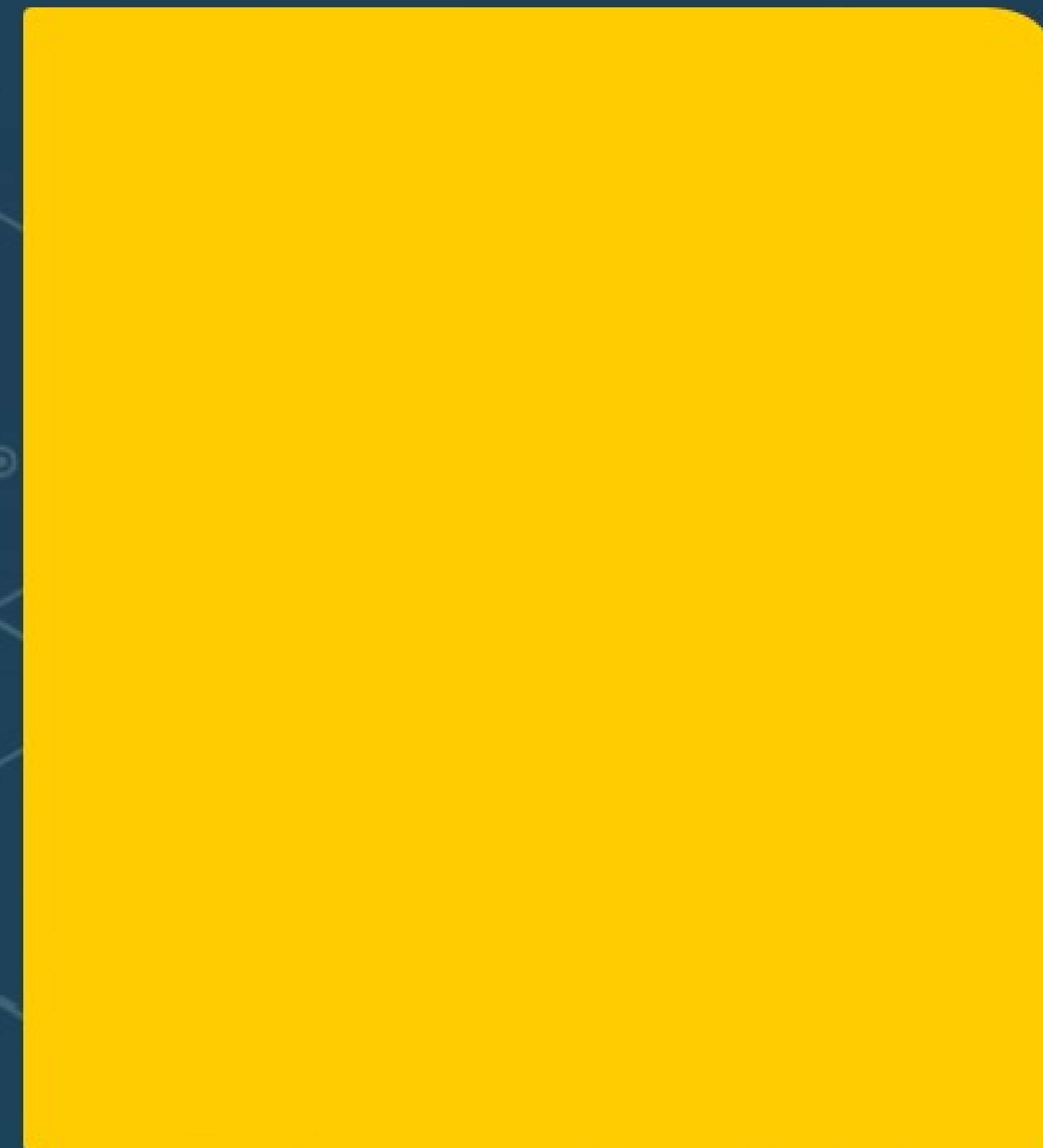
5 ✓



D) ConfigurationManager.

What is the primary role of the Spring IoC container?

7 ✓



1 ✗

A) To manage cross-cutting concerns like logging and transactions.

B) To instantiate, configure, and manage the lifecycle of application

0 ✗

C) To improve application performance with caching.

0 ✗

D) To handle REST API requests.

Which configuration approach can be used to define beans for the IoC container in Spring?

3



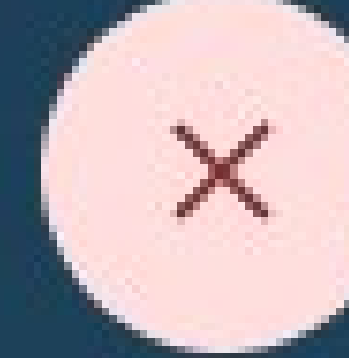
A) XML-based configuration.

1



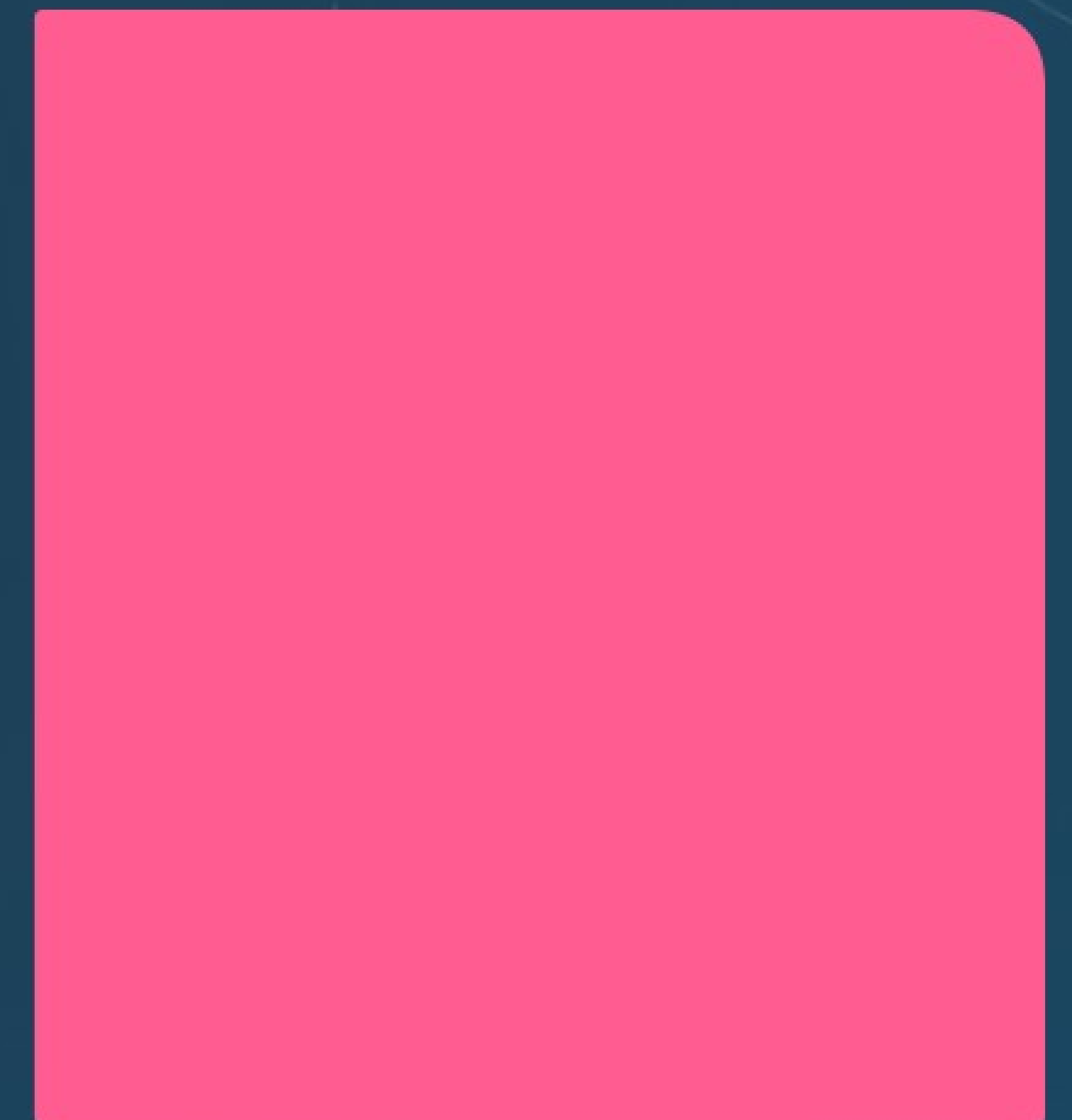
B) Annotation-based configuration.

0



C) Java-based configuration.

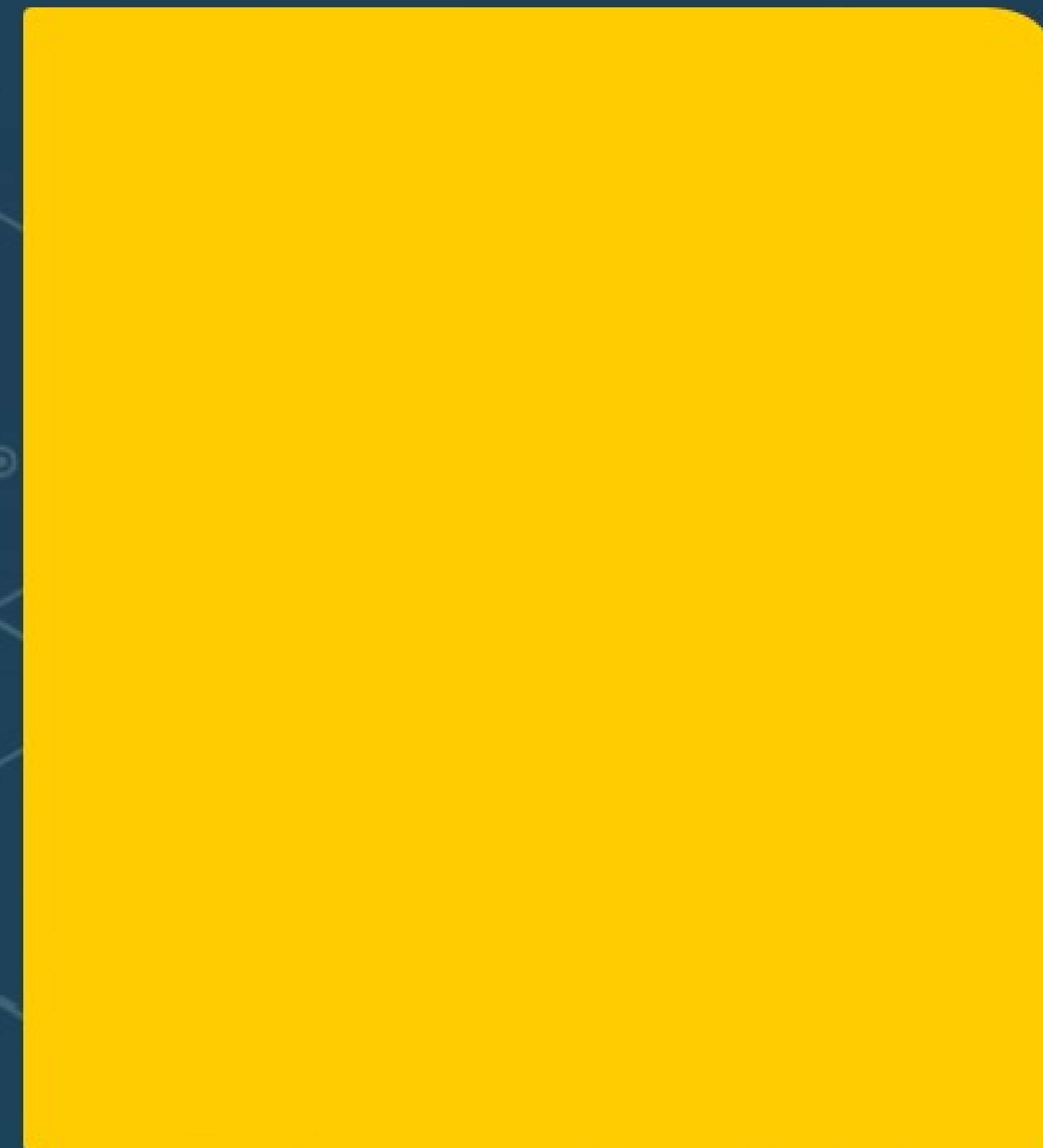
4



D) All of the above.

What is Dependency Injection in the context of the Spring Framework?

7 ✓



1 ✗

A) A technique to handle database transactions.

B) A design pattern used to inject dependencies into an object.

0 ✗

C) A testing framework for Spring-based applications.

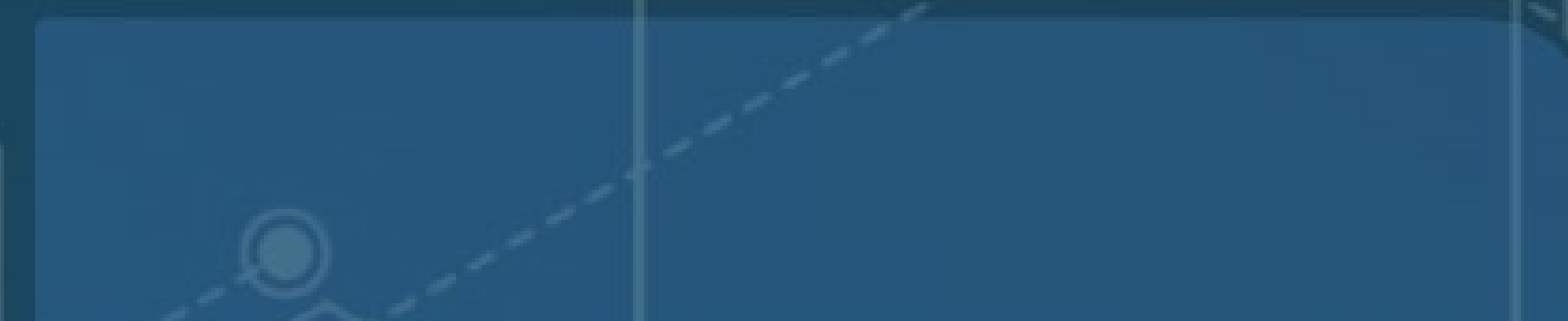
0 ✗

D) A Spring module for creating web applications.

Which of the following is NOT a method of implementing dependency injection in Spring?

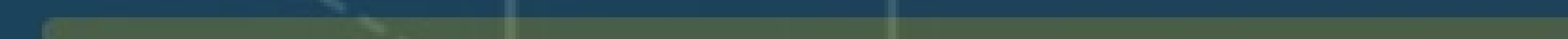
6 ✓

1 ✗



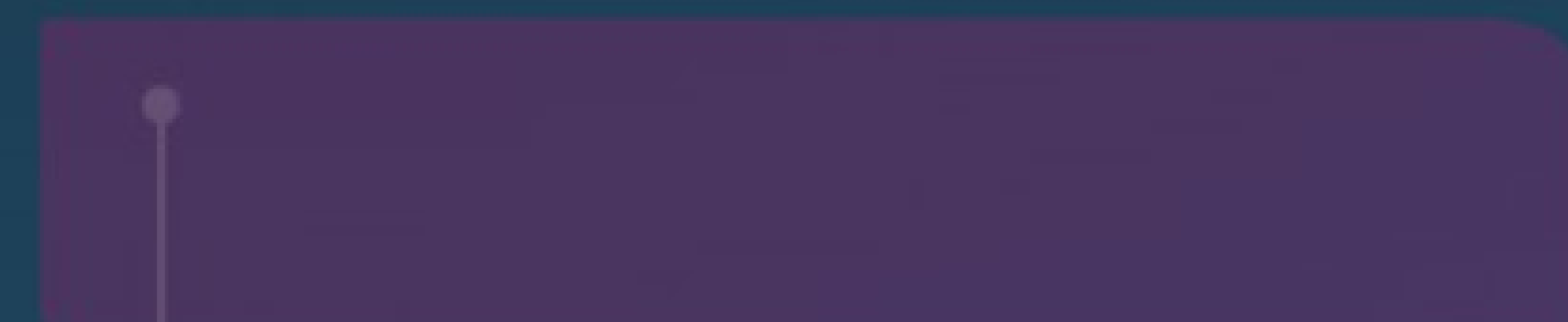
A) Setter Injection.

0 ✗

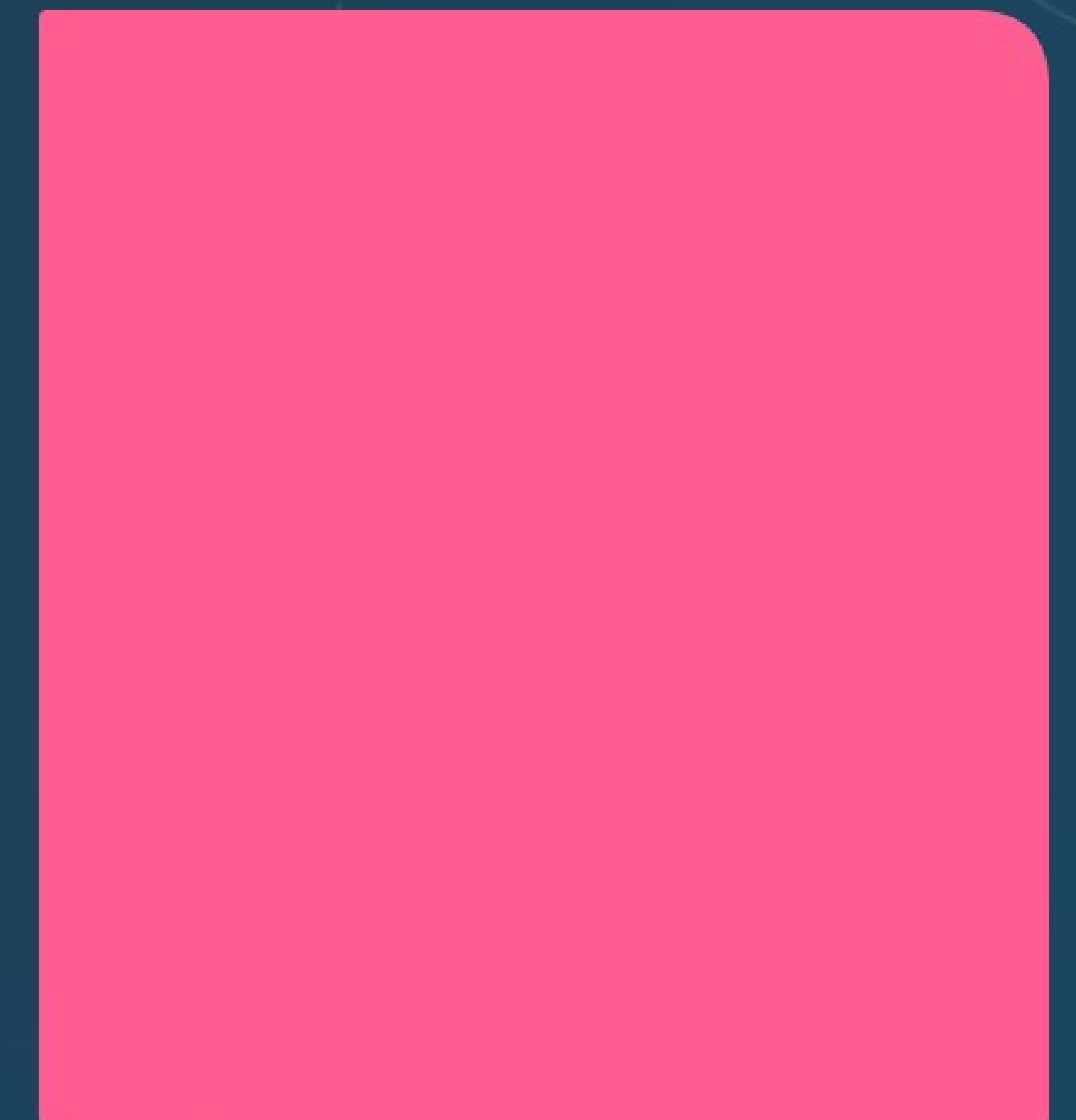


B) Constructor Injection.

1 ✗



C) Method Injection.



D) Property Injection (Java Reflection).

What is the main benefit of using Dependency Injection in Spring?

8



A) Achieving loose coupling between components.

0



B) Faster execution of the application.

0



C) Simplifying database interactions.

0



D) Automatically generating REST APIs.

In annotation-based configuration, which annotation marks a class as a Spring-managed bean that can have its dependencies injected?

5 ✓

3 ✗

A) @Autowired.

B) @Component.

0 ✗

C) @Inject.

0 ✗

D) @Service.

Quiz leaderboard



Next time: Spring Core

Questions?

