

Instructions



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

2 responses

everything is ok
tbh quite boring

Today's agenda

- Total Recall
- Spring Framework
- Quiz
- Questions

Total Recall



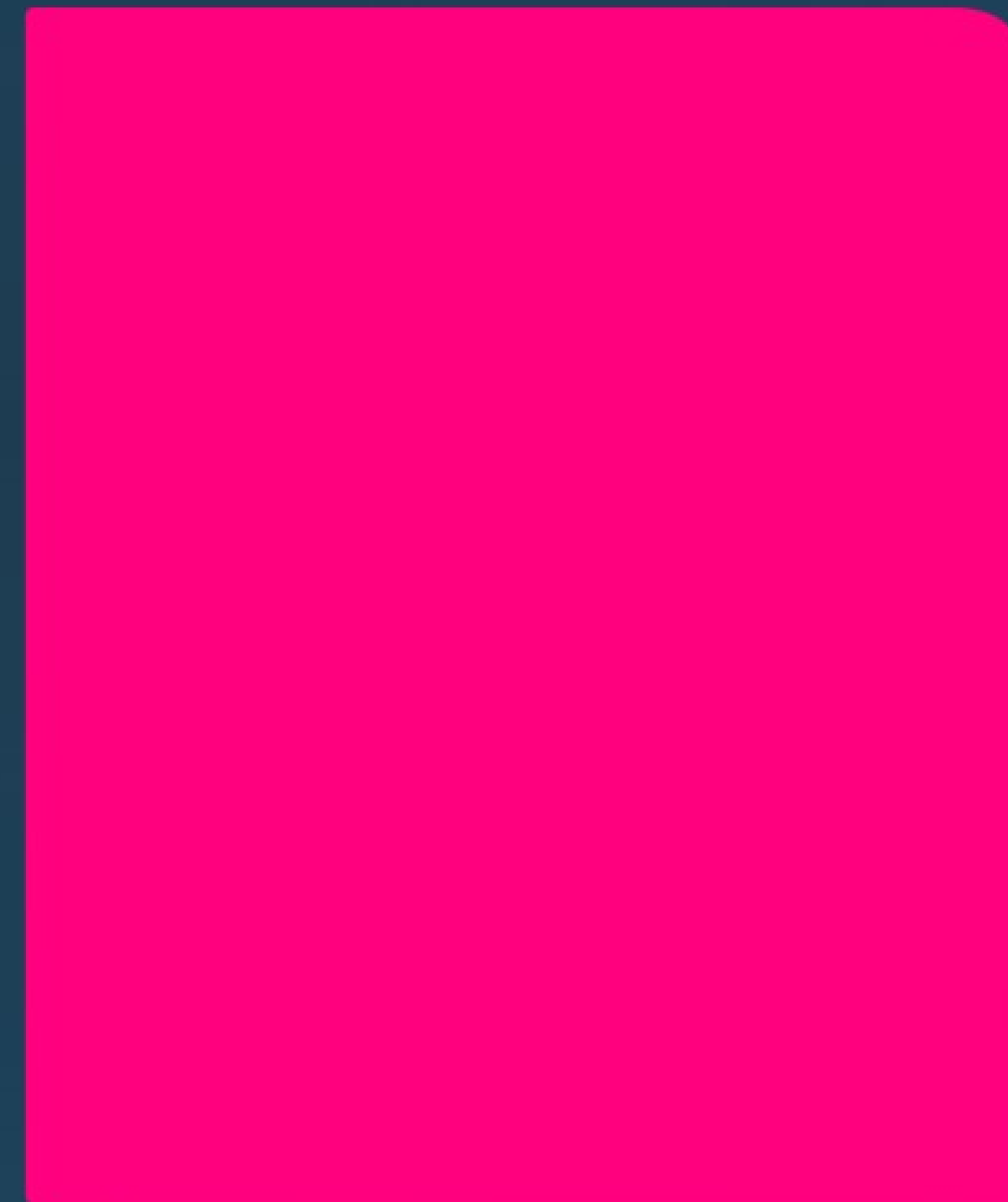
What do you remember from the previous workshop ?

spring bean lifecycle

annotations

What is the default scope of a Spring bean?

5 ✓



0 ✗

A) Prototype.

0 ✗

B) Request.

0 ✗

D) Session.

C) Singleton.

What role does the ApplicationContext play in the Spring Framework?

5 ✓



0 ✗

A) It only manages the HTTP requests in a Spring web application.

B) It provides the IoC container and manages the lifecycle of beans.

0 ✗

C) It stores user authentication details for applications.

0 ✗

D) It performs database operations in the background.

Which of the following is NOT a valid Spring bean scope?

5 ✓

0 ✗

A) Singleton.

0 ✗

B) Prototype.



C) Factory.

0 ✗

D) WebSocket.

What happens when a bean is defined in the "prototype" scope in Spring?

3 ✓



0 ✗

A) Only one instance of the bean is created per Spring IoC container.

B) A new bean instance is created each time it is requested.

0 ✗

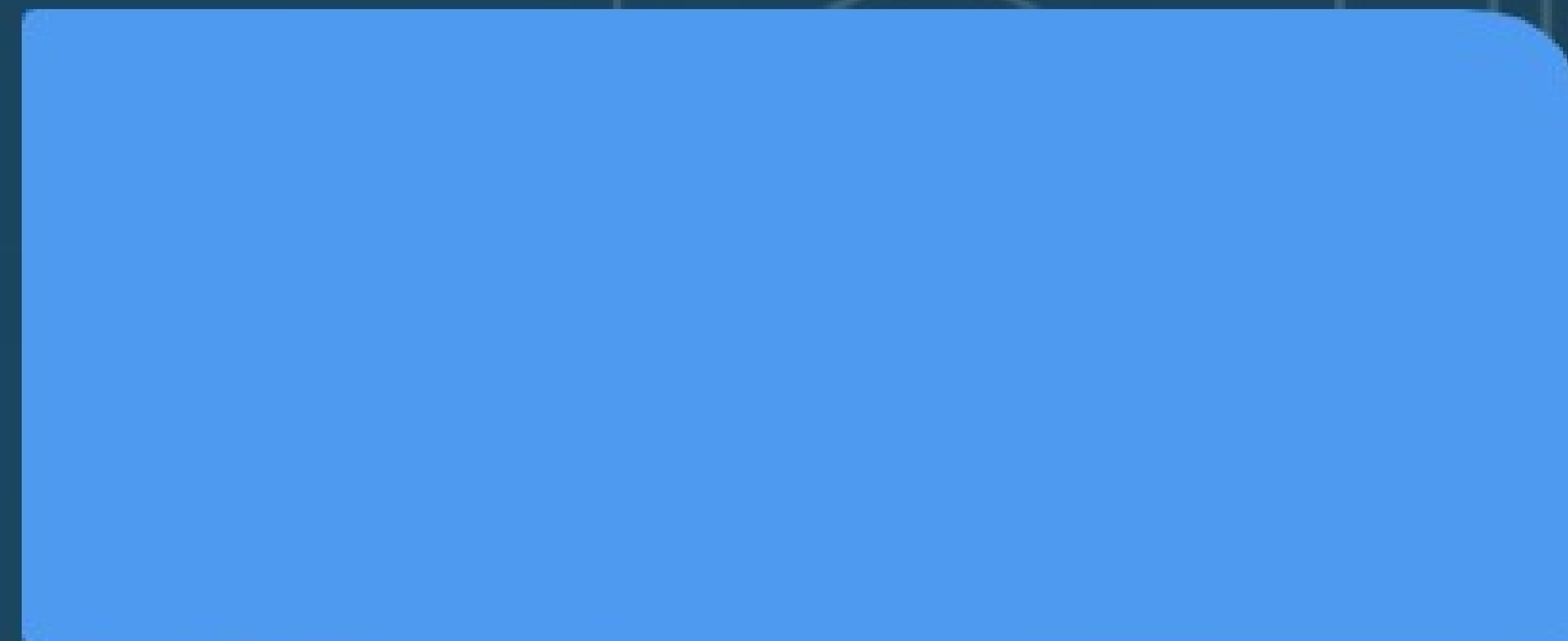
C) The bean is scoped to an HTTP session.

0 ✗

D) The bean instance persists across all HTTP requests.

Which of the following rules applies when using both "by type" and "by name" for dependency resolution in Spring?

1



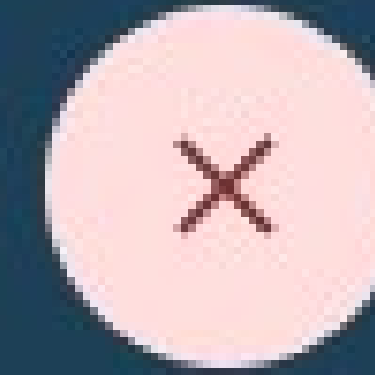
A) "By type" takes precedence over "by name" if a matching type exists

1



B) "By name" overrides "by type" even if type matches multiple beans

3

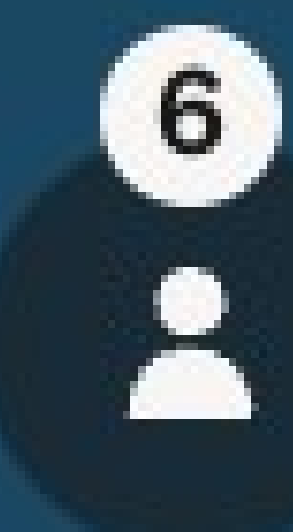


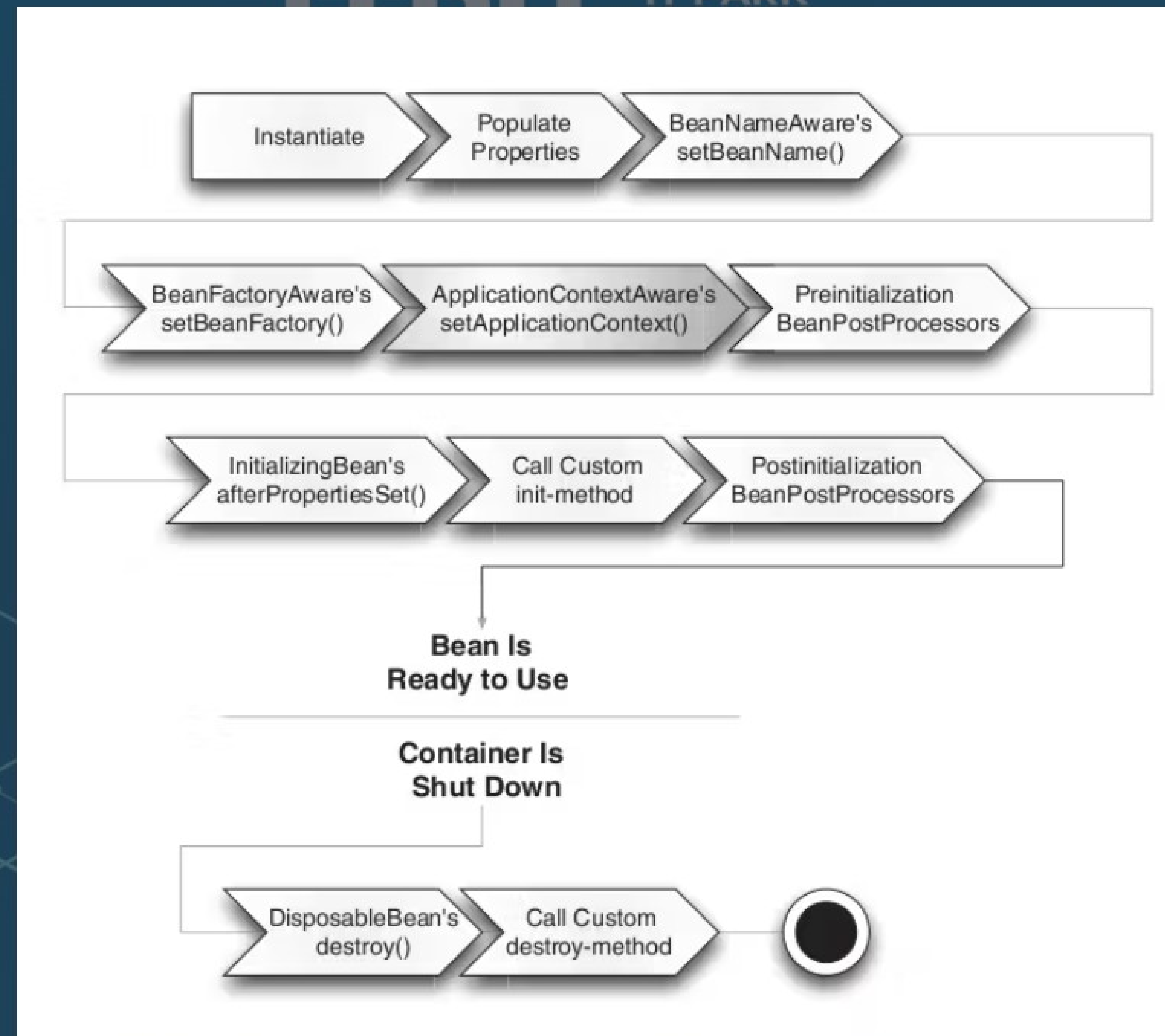
C) Both "by type", "by name" must be explicitly defined in annotations

1



D) Spring ignores rules if ambiguous dependencies exist in IoC Container





Spring bean lifecycle

Spring bean lifecycle

Spring MVC (ws-17)

SERVLET

Have you started 'Spring MVC'?

2

YES!

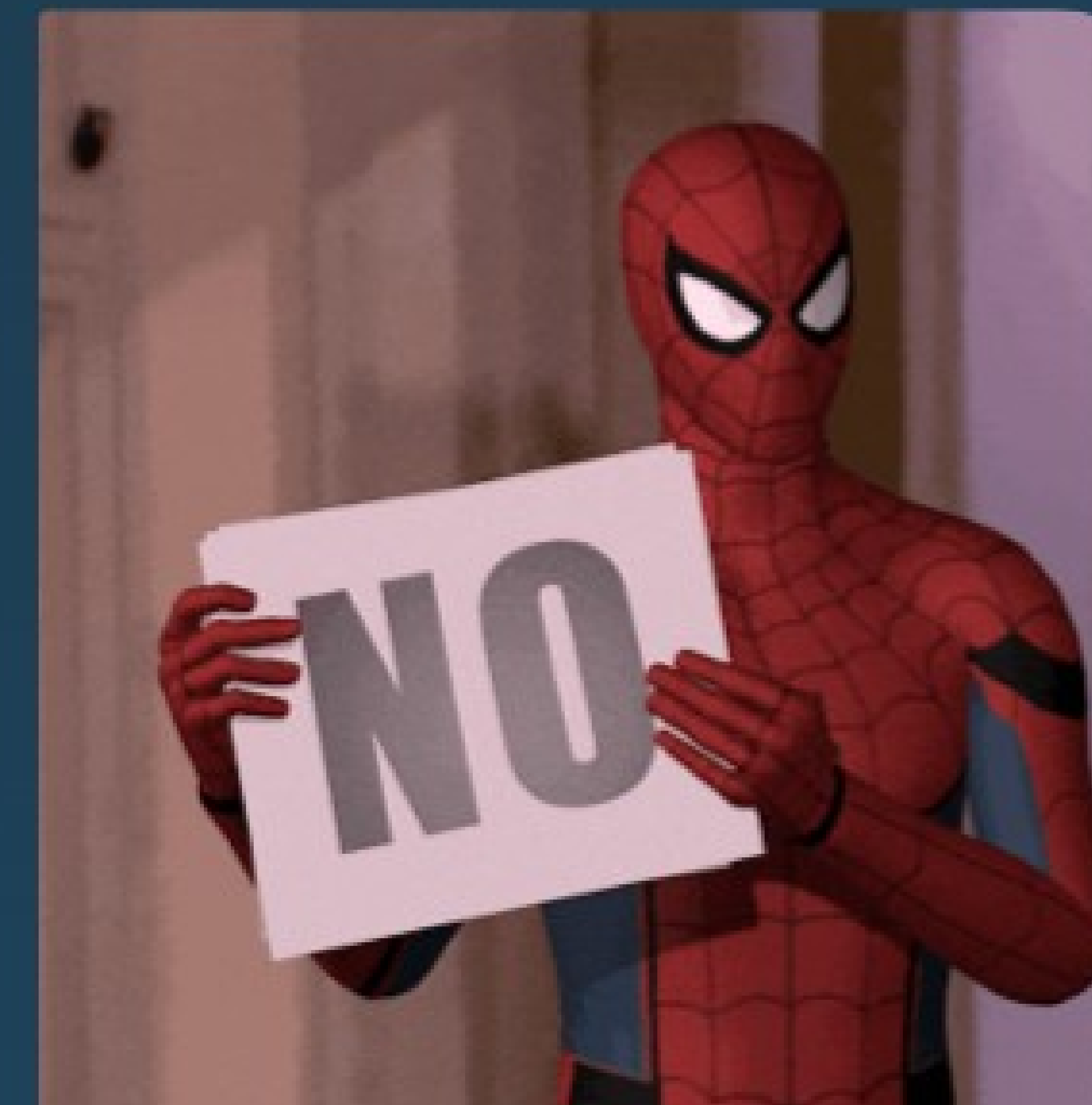
yessssssss

3



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

O



nooooooooo

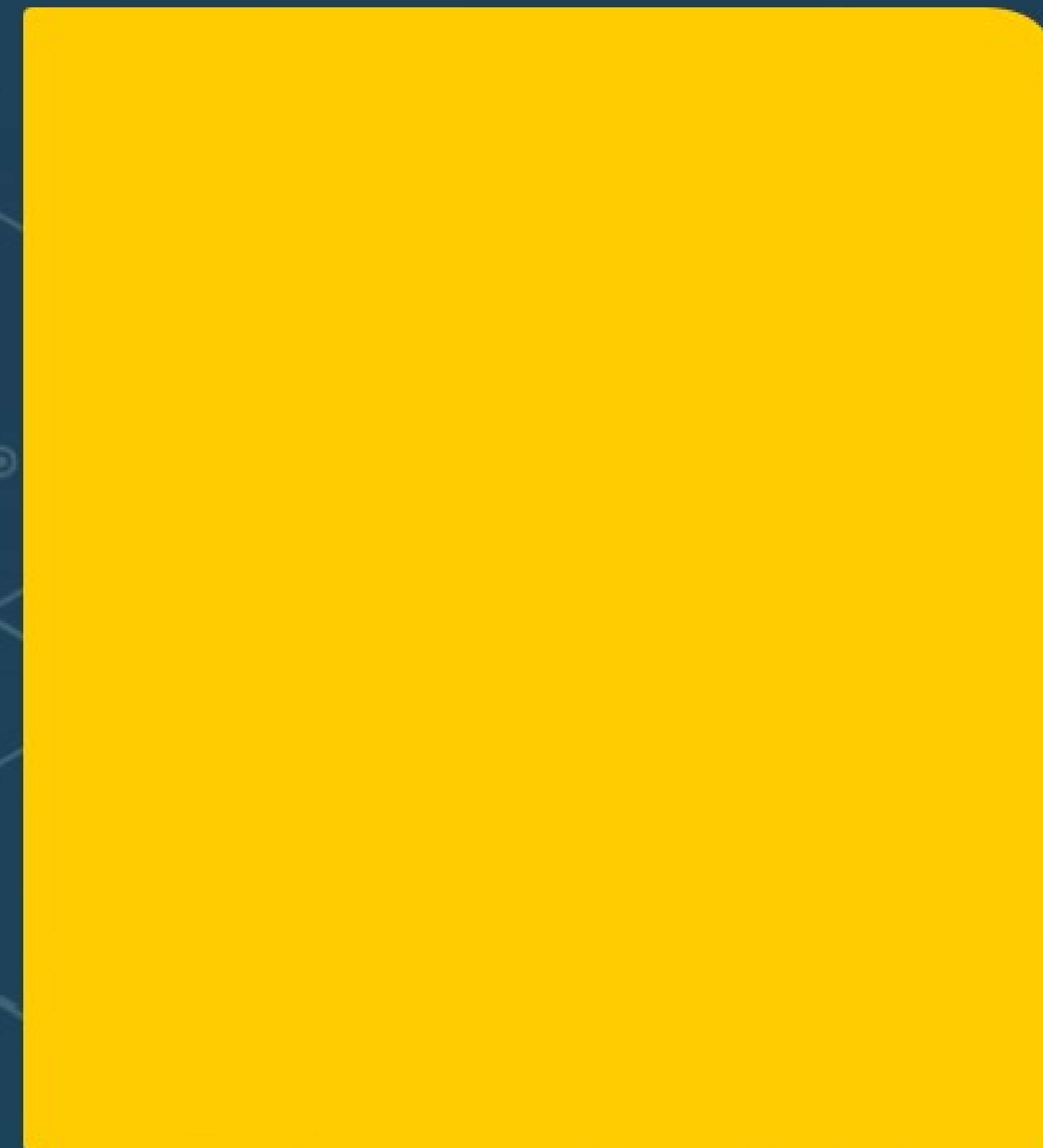
Spring

practice...

Quiz

What is the primary role of the DispatcherServlet in Spring MVC?

6 ✓



0 ✗

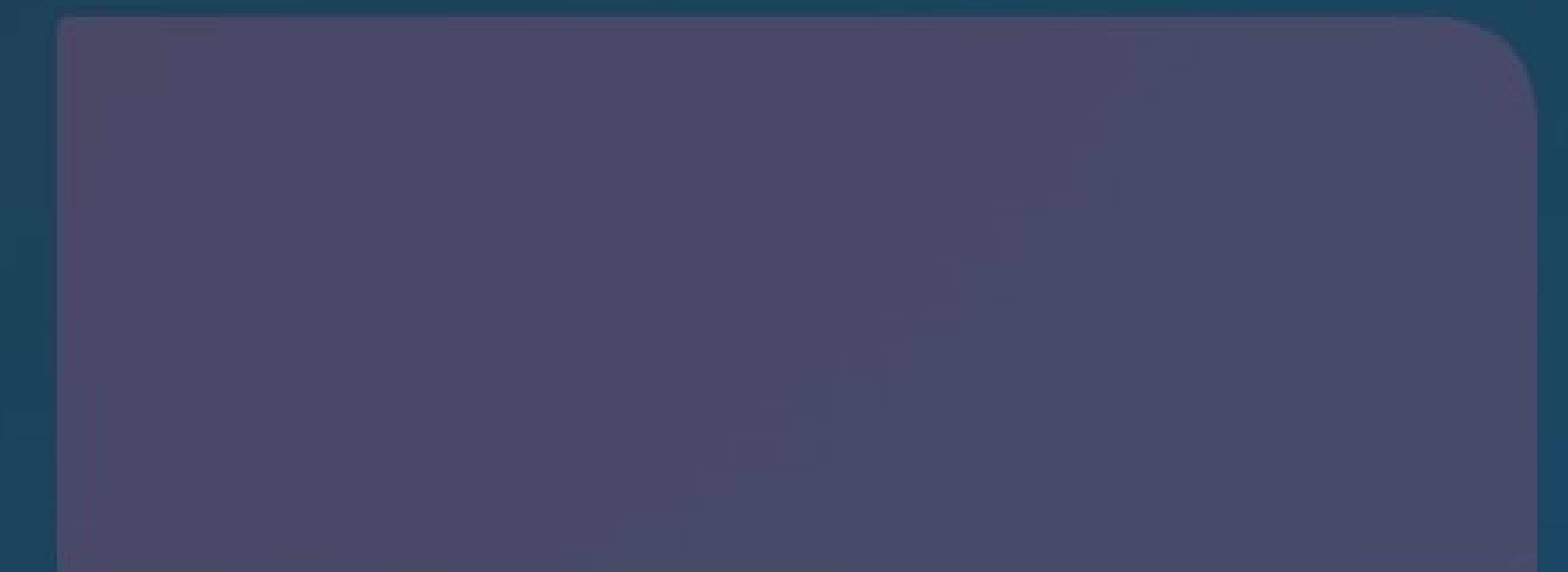
A) To manage application-wide configurations.

B) Handling HTTP requests and routing them to appropriate controllers

0 ✗

C) To manage database connections in web applications.

2 ✗



D) To handle application security and authentication.

What is TRUE about DispatcherServlet configuration in Spring MVC?

4 ✓



There can only be one DispatcherServlet instance per Spring MVC app

4 ✗



DispatcherServlet is automatically configured, initialized by Spring

0 ✗

DispatcherServlet configuration is optional in Spring MVC apps

0 ✗

DispatcherServlet configuration is primarily done through XML files

Which annotation is typically used in Java-based configuration to define a DispatcherServlet?

3 ✓



A) `@EnableWebMvc``.

1 ✗



B) `@Bean``.

2 ✗



C) `@RequestMapping``.

0 ✗

D) `@Component``.

How does the DispatcherServlet process an HTTP request in Spring MVC?

8 ✓



1 ✗

It directly invokes the database and builds the response.

0 ✗

It forwards the request to a JSP file without further processing.

0 ✗

It delegates all request handling to a predefined servlet.

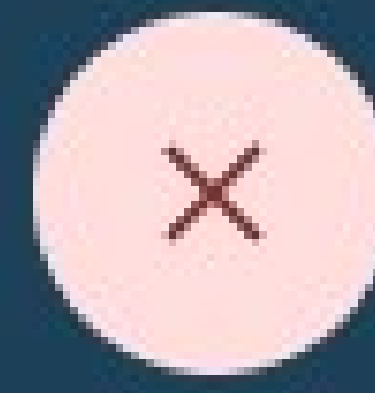
In Spring MVC, what does the @Controller annotation indicate?

2



It marks a class as a service layer component

6



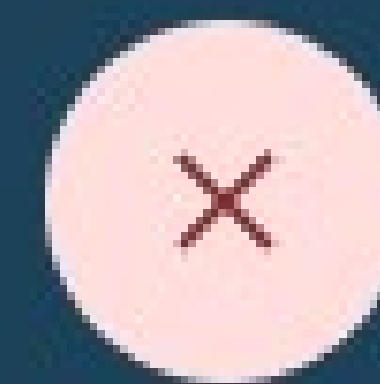
It marks a class as a controller component

0



It indicates a model attribute

1



It marks a class as a repository component

In Spring MVC, what happens if no handler mapping is found for a request in the DispatcherServlet?

7 ✓



0 ✗

A) The request is automatically forwarded to a default controller.

B) A 404 error is returned to the client.

1 ✗

C) The DispatcherServlet creates a new handler dynamically.

1 ✗

D) IoC container logs a warning but processes the request by default

Which of the following components work closely with DispatcherServlet as part of the Spring MVC request lifecycle?

7 ✓



A) Handler mappings, view resolvers, and controllers.

0 ✗

B) Database connectors, application contexts, and filters.

2 ✗



C) Security managers, REST templates, and JSP engines.

1 ✗



D) Entity beans, services, and configuration resources.

How can you configure the DispatcherServlet in a Java-based Spring MVC application?

1 ✗

A) By registering it as a Spring bean in a `@Configuration` class.

1 ✗

B) By creating a `'servlet-config.xml'` file inside the `'WEB-INF'` folder

1 ✗

C) By using the `'ServletRegistration.Dynamic'` API in a `'WebApplication'`

6 ✓

D) Both A and C.

In Spring MVC, what does the @RequestMapping annotation specify?

10 ✓



The URL pattern to map requests to a controller method

0 ✗

Database table name

0 ✗

The name of the HTML template

0 ✗

The HTTP method to handle

What is a ViewResolver in Spring MVC?

9 ✓



1 ✗

A component that handles database operations

0 ✗

A component that handles HTTP requests

Quiz leaderboard



Next time: Spring MVC

Questions?

