Spring Certified #11

A question lead guide to prepare Spring certification

Spring Core

Singleton beans are instantiated _______ by default when the Spring container starts up.

- ➔ **lazily**
- ➔ **eagerly**
- ➔ **on demand**

eagerly

By default, Spring creates all singleton beans eagerly at the startup/bootstrapping of the application context. The reason behind this is simple: to avoid and detect all possible errors immediately rather than at runtime.

However, there're cases when we need to create a bean, not at the application context startup, but when we request it.

https://www.baeldung.com/spring-lazy-annotation#overview

https://docs.spring.io/spring-framework/reference/core/beans/factory-scopes.html

Spring MVC

We can use ________ to extract query parameters, form parameters, and even files from the request.

➔ @SessionParam

➔ @RequestParam

➔ @RequestMapping

➔ None of the above

@RequestParam

@interface **RequestParam**

Annotation which indicates that a method parameter should be bound to a web request parameter.

Supported for annotated handler methods in Spring MVC and Spring WebFlux as follows:

- In Spring MVC, "request parameters" map to query parameters, form data, and parts in multipart requests. This is because the Servlet API combines query parameters and form data into a single map called "parameters", and that includes automatic parsing of the request body.
- In Spring WebFlux, "request parameters" map to query parameters only. To work with all 3, query, form data, and multipart data, you can use data binding to a command object annotated with `ModelAttribute`.

https://docs.spring.io/spring-framework/docs/current/javadoc-api/org/springframework/web/bind/annotation/RequestParam.html

Testing

_______ can be used to define additional beans or customizations for a test.

- ➔ @Configuration
- ➔ @TestConfiguration
- ➔ @TestContext
- ➔ None of the above.

@TestConfiguration

```
@interface TestConfiguration
```

`@Configuration` that can be used to define additional beans or customizations for a test. Unlike regular `@Configuration` classes the use of `@TestConfiguration` does not prevent auto-detection of `@SpringBootConfiguration`.

https://docs.spring.io/spring-boot/api/java/org/springframework/boot/test/context/TestConfiguration.html udemy

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