

Spring Annotations

Date: 11 Sep 2022
Day: 1 of ∞ days

Spring Testing Annotations

- @BootstrapWith
- @ContextConfiguration
- @WebAppConfiguration
- @ContextHierarchy
- @ActiveProfiles
- @TestPropertySource
- @DirtiesContext
- @TestExecutionListeners
- @Commit
- @Rollback
- @BeforeTransaction
- @AfterTransaction
- @Sql
- @SqlConfig
- @SqlGroup

Handling Exceptions

- @ExceptionHandler
- @ResponseStatus

Unit 4 Testing Annotations

- @IfProfileValue
- @ProfileValueSourceConfiguration
- @Timed
- @Repeat

Implementing Controllers

- @Controller
- @RequestMapping
- @RequestParam
- @RequestBody
- @ResponseBody
- @RestController
- @ModelAttribute
- @SessionAttribute
- @RequestAttribute
- @CookieValue
- @RequestHeader
- @ControllerAdvice
- @RestControllerAdvice

- Customizing data binding : InitBinder
- STOMP { Simple Text Oriented Messaging Protocol }

- @MessageMapping
- @SubscribeMapping
- @MessageExceptionHandler

- Scheduling and Asynchronous Execution
 - @Scheduled
 - @Async

- Cache Abstraction

- @Cacheable @Caching
- @CachePut @CacheConfig
- @CacheEvict

- For injecting a specific Implementation @Autowired
- For Ordering Beans when they are autowired into lists and arrays
 - @Order Annotation
 - Ordered Interface
- For conditional filtering on Beans
 - @Conditional
- Standard messaging annotations
 - @Payload @Header @Headers @SendTo
- For registering JMS listener endpoints
 - @JmsListener
- For sharing common settings at the class level without cache
 - @CacheConfig
- For building links between Views (JSP) and Controllers
 - @RequestMapping
- Configuration of SQL script execution
 - @Sql
 - @SqlConfig
- For processing Configuration classes in a Corresponding order
 - @Order
- For transaction-bound event support
 - @TransactionalEventListener
- For meaningful aliases for value attributes
 - @AliasFor

- For formatting Numbers : @NumberFormat
- For determining how to load and Configure an Application Context for Integration tests
@Context Configuration
- For CORS : @CrossOrigin
- For making a class as a Controller : @Controller
- Replacement for @Rollback(false) : @Commit
- For execution of inlined SQL statements via a new statements attribute : @Sql
- Composed annotations for @RequestMapping
@GetMapping @PostMapping @PatchMapping
@DeleteMapping
- Composed annotations for web Scopes
@RequestScope
@SessionScope
@ApplicationScope
- For preventing data binding via binding = false
attribute : ModelAttribute
@ModelAttribute
- For explicitly naming our constructor arguments
whenever debug flag is failed to compile our code
@ConstructorProperties
- @ConstructorProperties is a JDK annotation
- For making a property of Setter Method as a required dependency : @Required
- Declaring of a lookup method : @Lookup

- For assigning a component to request scope
@RequestScope
- For assigning a component to session scope
@SessionScope
- For assigning a component to application scope
@ApplicationScope

• NOTE: @RequestScope @SessionScope @ApplicationScope are used while we are dealing with

- 1) annotation-driven Components
- 2) Java Config

- For receiving life cycle callbacks

@PostConstruct

@PreDestroy

- For automatic Dependency Injection : @Autowired
- For Autowiring : @Resource
- For populating Bean property setter methods in XML configuration file at configuration time
@Required

• @Inject

For finding required dependencies for the annotated fields and Constructor

• @Named

For detecting and providing names for components

• @Priority

For defining precedence of execution


• @DependsOn

For Initializing one or more beans through IOC container


• @Value

For assigning default values to Variables and method arguments



• @Configuration

For Indicating that the class has '@Bean' definition methods  source: digitalocean.com

• @Qualifier

For eliminating the issue of which bean needs to be Injected  source: www.geeksforgeeks.com

• @Target

To declare possible joinpoints which can be decorated by that annotation  source:  www.stackoverflow.com

• @Retention

... please share on Comments 