**Spring Annotations:**

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| **Annotation** | **Description** | **Type** | **Retention Policy** |
| **Core Spring Framework Annotations** | | | |
| @Required | * This annotation is applied on bean method, constructors. * It indicates affected bean must be populated with required property at configuration time otherwise it throws BeanInitializationException. | Method | Runtime |
| @Autowired | * This applied on Setter, Field, Constructors, Methods. * It injects dependency implicitly. | Constructor,Field  ,Method | Runtime |
| @Qualifier | * This annotation is used along with @Autowired. when you need more control on dependency injection. * It can be specified on individual constructor arguments or method parameters. * It also used to avoid confusion which occurs when you create more than one bean of same type. * Applied on field, constructor, method level * Eg: @Autowired   @Qualifier(“student”)  Student stu; |  | Runtime |
| @ComponentScan | * Make Spring scan the package for the @Configuration classes.   Eg: @Component(basepackages = {“com.nordea.sela.webtcs”},  excludeFilters = @ComponentScan.Filter(value ={Appconfig.class} | Type | Runtime |
| @Configuration | * Marks class as source of bean definition * Alternative for xml configuration class * Applied on class level | Type | Runtime |
| @Bean | * indicates that a method produces a bean to be managed by the Spring container   alternative of <bean> tag in xml | Method | RunTime |
| @Lazy | * Initializes @Bean or @Component on demand rather than eagerly. * Applied on class and method level |  |  |
| @Value | * indicates a default value expression for the field or parameter, typically something like **“#{systemProperties.myProp}”** * Applied on constructor, method and field level |  |  |
| Spring Framework Stereotype Annotations | | | |
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