Stereotype Annotations

Spring Framework provides us with some special annotations. These annotations are used to create Spring beans automatically in the application context. @Component annotation is the main Stereotype Annotation.

There are four annotations in spring

1. @Component
2. @Service
3. @Repository
4. @Controller

* @Component is a class-level annotation. It is used to denote a class as a Component. We can use @Component across the application to mark the beans as Spring’s managed components. A component is responsible for some operations.
* **@Service:**We specify a class with @Service to indicate that they’re holding the business logic. Besides being used in the service layer, there isn’t any other special use for this annotation. The utility classes can be marked as Service classes.
* **@Repository:**We specify a class with @Repository to indicate that they’re dealing with **CRUD operations**, usually, it’s used with DAO (Data Access Object) or Repository implementations that deal with database tables.
* **@Controller:**We specify a class with @Controller to indicate that they’re front controllers and responsible to handle user requests and return the appropriate response. It is mostly used with REST Web Services.

