Flashcards

# Flashcard 1

Question: @SpringBootApplication

Answer: A meta-annotation that combines three other annotations: @Configuration, @EnableAutoConfiguration, and @ComponentScan. It's typically placed on the main class of a Spring Boot application and serves as the entry point.

# Flashcard 2

Question: @Controller

Answer: Defines a class as a controller in Spring MVC, handling HTTP requests and returning view names.

# Flashcard 3

Question: @RestController

Answer: A specialized version of @Controller designed for RESTful web services, returning data directly (e.g., JSON or XML) instead of relying on a view resolver.

# Flashcard 4

Question: @Service

Answer: Indicates a class is a service in the business logic layer, performing operations and coordinating interactions between components.

# Flashcard 5

Question: @Repository

Answer: Indicates a class is a Data Access Object (DAO) in the persistence layer, accessing a database or performing data access operations.

# Flashcard 6

Question: @Component

Answer: A generic stereotype used to indicate a Spring bean when a more specific one is not applicable.

# Flashcard 7

Question: @Autowired

Answer: Automatically injects dependencies into a Spring bean, resolving and injecting collaborating beans.

# Flashcard 8

Question: @Qualifier

Answer: Used in conjunction with @Autowired to specify which bean should be injected when there are multiple candidates of the same type.

# Flashcard 9

Question: @Entity

Answer: Defines a data entity managed by the ORM system, mapping class fields to database tables/columns and providing CRUD operations.

# Flashcard 10

Question: @Transactional

Answer: Defines the scope of a single database transaction, indicating that the annotated method or class should be wrapped with a transaction.