

WEEK 7 CURRICULUM

Thursday, July 27, 2023 1:24 PM

TOPIC/MODULE

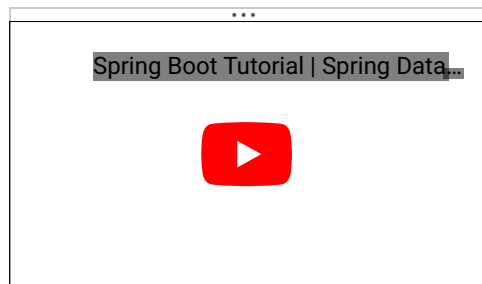
1. Introduction to Spring Framework
2. Why Spring, Spring MVC and Spring Boot
3. Dependency Injection/IOC
4. Auto Configuration/ Overriding Auto-Configuration
5. Hibernate
6. Web Services

LEARNING OUTCOME

1. Understand the roles of Spring, Spring boot and Spring MVC
2. Understand various Spring annotations.
3. Understands Dependency Injection and Spring IOC container
4. Understand Web Services
5. Know the various forms of transport used in web services
6. Understand why Hibernate is used
7. Know how to use Hibernate as an ORM
8. Understand various types of relationship mapping

LEARNING MATERIALS

<https://www.marcobehler.com/guides/spring-framework>
<https://www.marcobehler.com/guides/spring-geboot>
<https://www.baeldung.com/spring-mvc>
<https://zetcode.com/all/#springboot>
https://www.tutorialspoint.com/jpa/jpa_advanced_mappings.htm
https://www.tutorialspoint.com/jpa/jpa_entity_relationships.htm
<https://www.baeldung.com/spring-data-jpa-query>
<https://www.callicoder.com/hibernate-spring-boot-jpa-many-to-many-mapping-example/>
<https://www.callicoder.com/hibernate-spring-boot-jpa-one-to-many-mapping-example/>
<https://www.callicoder.com/hibernate-spring-boot-jpa-one-to-one-mapping-example/>
<https://www.cleo.com/blog/knowledge-base-web-services>
<https://howtodoinjava.com/best-practices/5-class-design-principles-solid-in-java/>
<https://www.baeldung.com/solid-principles>
- [Spring Boot Tutorial | Spring Data JPA | 2021](#)
[Spring Data JPA Tutorial | Crash Course](#)



ALGORITHM VIDEO

STRINGS

Strings

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