

1. Research Spring Boot vs. Spring. Describe each. How do they relate? Why do we use Spring Boot?

To start, we'll talk about the Spring Framework, it is a "comprehensive infrastructure support for developing Java applications" which simplifies into features that make your life easier when writing code. It includes Dependency Injection and has modules like "Spring JDBC, Spring MVC, Spring Security, Spring AOP, Spring ORM, and Spring Test." Then comes in Spring Boot which is "basically an extension of the Spring Framework", it eliminates the need for a bunch of lines of code in order to accomplish something Spring Boot can do in just a few lines. Simply put, Spring Boot is used because of the ease of use when it comes to developing, testing and deploying applications.

2. Describe the difference between Hibernate & Spring Boot JPA

"Hibernate is a JPA implementation while Spring Boot JPA is a JPA Data Access Abstraction." While it is very alike, it is similar to what is said above. It significantly reduces the amount of code needed to implement data access layers. While "Hibernate provides a reference implementation of Java Persistence API, Spring Boot JPA requires a JPA provider such as Hibernate.

1. "<https://www.baeldung.com/spring-vs-spring-boot>"
2. "<https://www.javaguides.net/2018/12/what-is-difference-between-hibernate-and-spring-data-jpa.html#:~:text=Hibernate%20is%20a%20JPA%20implementation,solution%20to%20GenericDao%20custom%20implementations.>"