Mindluster Platform

About the course Spring boot testing with JUnit

Course Presenter : ProgrammingKnowledge

Spring boot testing with JUnit, in this course teaches you how to write effective and reliable tests for Spring Boot applications using the JUnit framework. Youâ€™ll learn how to set up JUnit in a Spring Boot project, create unit and integration tests, and use annotations such as @Test, @BeforeEach, and @SpringBootTest. The course explains how to mock dependencies with Mockito, test REST APIs, and verify database operations with TestEntityManager or H2 in-memory databases. Youâ€™ll also explore how to structure test cases, apply assertions, and measure code coverage for better software quality. Through hands-on examples, youâ€™ll practice building testable applications and applying test-driven development (TDD) principles. By the end of this course, youâ€™ll be confident in using JUnit to ensure your Spring Boot projects are robust, maintainable, and bug-free. ProgrammingKnowledge

Computer Science Category's Courses

Course Lesson(10)

Lesson 1 : **Spring Boot Testing with JUnit 1 Introduction to Software Testing**

Lesson 2 : **Spring Boot Testing with JUnit 2 Basic JUnit Examples**

Lesson 3 : **Spring Boot Testing with JUnit 3 Domain and Persistence Layers**

Lesson 4 : **Spring Boot Testing with JUnit 4 Business Layer API Implementation**

Lesson 5 : **Spring Boot Testing with JUnit 5 Understanding Mockito Setting up Test Class**

Lesson 6 : **Spring Boot Testing with JUnit 6 GET API Unit Test**

Lesson 7 : **Spring Boot Testing with JUnit 7 POST Api Unit Test**

Lesson 8 : **Spring Boot Testing with JUnit 8 PUT API Unit Test**

Lesson 9 : **Spring Boot Testing with JUnit 9 DELETE API Using TDD**

Lesson 10 : **Spring Boot JUnit 5 Mockito Tutorial**

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