**Spring Boot Fundamentals with Unit Testing (MockMVC/Mockito)**

Develop backend Rest Services/API from scratch and build Unit Tests &amp; Integration Tests using Spring Boot

**What you'll learn**

* Understand Spring Boot Fundamentals from Scratch with proper real time examples
* Ability to develop Rest Services/API's with all CRUD operations using Spring Boot + JPA Repository
* Understand how to write Unit Test cases and Integration Test cases for Back End Services Code
* Real time Implementation of Mockito Framework to mock the Unit Tests
* Understand how Mocktio, MockMVC, Junit Testing Frameworks are used together for building Unit Testcases
* Understand JPA Repositories integration with Rest Controllers to interact with Database Tables
* Build Integration Tests with Rest Template class and supplement with H2 Mock Database

**This course includes:**

* 8 hours on-demand video
* 2 articles
* 3 downloadable resources
* Access on mobile and TV
* Certificate of completion

**Requirements**

* Basics of API

**Description**

**This course is exclusively designed for beginners to understand Spring Boot fundamentals for Back end Rest Services/API Development and ability to perform white Box TESTING such as Unit Testing , Integration testing for the code using various Testing Frameworks like Mockito, MockMVC, Junit, Rest Template etc**

*This course is divided into 2 Phases*

**Phase 1:**

**Introduction to Back End Development -** Phase 1 explains the fundamentals of Spring Boot including JPA to develop Rest Services/API’s /Micro Services for Real time Applications from Scratch.

No programming Experience needed to start with this course. I have covered everything needed to make you familiar with every concept taught in the course

**Phase 2:**

**Unit/Integration Testing -** After Solid Understanding of Rest Services development using Spring Boot in Phase 1, Phase 2 explains how to write Unit Tests and Integration Tests for the developed Phase 1 Code using Testing Frameworks like Mockito, MockMVC, Junit & RestTemplate with H2 Databases

All Testing (White Box Testing) Frameworks concepts are given with Scratch level explanation.

**By end of this course, one can start building Rest Services/API’s with Spring Boot and write Solid Unit Tests and Integration tests to test their code as per Industry Standards**

This course can be a great resource to Junior Developers and especially to SDET's to get involved into  White Box testing Strategies to better understand code and write solid Unit/Integration Tests.

**Who this course is for:**

* Software Engineers
* Testers
* Developers