



# Practical Unit Testing with JUnit and Mockito

*Tomek Kaczanowski*

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This book explains in detail how to implement unit tests using two very popular open source Java technologies: JUnit and Mockito. It presents a range of techniques necessary to **write high quality unit tests** - e.g. mocks, parametrized tests and matchers. It also discusses trade-offs related to the choices we have to make when dealing with some real-life code issues.

The book stresses the importance of **writing readable and maintainable unit tests**, and puts a lot of stress on code quality. It shows how to achieve testable code and to eliminate common mistakes by following the **Test Driven Development** approach. Every topic discussed in the book is illustrated with code examples, and each chapter is accompanied by some exercises.

By reading this book you will:

- Grasp the role and purpose of unit tests
- Write high-quality, readable and maintainable unit tests
- Learn how to use JUnit and Mockito (but also other useful tools)
- Avoid common pitfalls when writing unit tests
- Recognize bad unit tests, and fix them in no time
- Develop code following the Test Driven Development (TDD) approach
- Use mocks, stubs and test-spies intelligently
- Measure the quality of your tests using code coverage and mutation testing
- Learn how to improve your tests' code so it is an asset and not a burden
- Test collections, expected exceptions, time-dependent methods and much more
- Customize test reports so that they show you what you really need to know
- Master tools and techniques your team members have never even heard of (priceless!) :)

Nowadays every developer is expected to write unit tests. While simple in theory, in practice writing high-quality unit tests can turn out to be a real challenge. This book will help.

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The feeling that you get from Practical Unit Testing with JUnit and Mockito could be the more deep you excavating the information that hide in the words the more you get enthusiastic about reading it. It doesn't mean that this book is hard to understand but Practical Unit Testing with JUnit and Mockito giving you enjoyment feeling of reading. The author conveys their point in a number of way that can be understood by means of anyone who read that because the author of this reserve is well-known enough. This specific book also makes your own personal vocabulary increase well. Therefore it is easy to understand then can go with you, both in printed or e-book style are available. We highly recommend you for having this kind of Practical Unit Testing with JUnit and Mockito instantly.

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Playing with family in the park, coming to see the sea world or hanging out with pals is thing that usually you may have done when you have spare time, subsequently why you don't try point that really opposite from that. One particular activity that make you not feeling tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of knowledge. Even you love Practical Unit Testing with JUnit and Mockito, you can enjoy both. It is good combination right, you still desire to miss it? What kind of hang type is it? Oh occur its mind hangout people. What? Still don't have it, oh come on its referred to as reading friends.

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