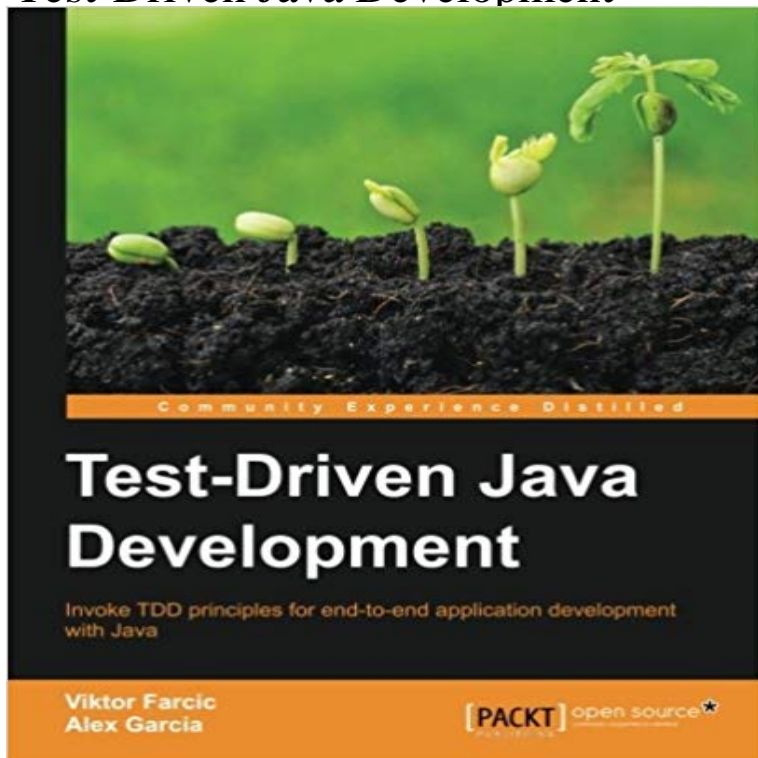


# Test-Driven Java Development



Invoke TDD principles for end-to-end application development with Java

About This Book

Explore the most popular TDD tools and frameworks and become more proficient in building applications

Create applications with better code design, fewer bugs, and higher test coverage, enabling you to get them to market quickly

Implement test-driven programming methods into your development workflows

Who This Book Is For

If you're an experienced Java developer and want to implement more effective methods of programming systems and applications, then this book is for you.

What You Will Learn

Explore the tools and frameworks required for effective TDD development

Perform the Red-Green-Refactor process efficiently, the pillar around which all other TDD procedures are based

Master effective unit testing in isolation from the rest of your code

Design simple and easily maintainable codes by implementing different techniques

Use mocking frameworks and techniques to easily write and quickly execute tests

Develop an application to implement behaviour-driven development in conjunction with unit testing

Enable and disable features using Feature Toggles

In Detail

Test-driven development (TDD) is a development approach that relies on a test-first procedure that emphasises writing a test before writing the necessary code, and then refactoring the code to optimize it.

The value of performing TDD with Java, one of the most established programming languages, is to improve the productivity of programmers, the maintainability and performance of code, and develop a deeper understanding of the language and how to employ it effectively.

Starting with the basics of TDD and reasons why its adoption is beneficial, this book will take you from the first steps of TDD with Java until you are confident enough to embrace the practice in your day-to-day

routine. You'll be guided through setting up tools, frameworks, and the environment you need, and will dive right in to hands-on exercises with the goal of mastering one practice, tool, or framework at a time. You'll learn about the Red-Green-Refactor procedure, how to write unit tests, and how to use them as executable documentation. With this book you'll also discover how to design simple and easily maintainable code, work with mocks, utilise behaviour-driven development, refactor old legacy code, and release a half-finished feature to production with feature toggles. You will finish this book with a deep understanding of the test-driven development methodology and the confidence to apply it to application programming with Java. Style and approach An easy-to-follow, hands-on guide to building applications through effective coding practices. This book covers practical examples by introducing different problems, each one designed as a learning exercise to help you understand each aspect of TDD.

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**Test-Driven Java Development eBook: Viktor Farcic, Alex Garcia** Test-Driven Java Development [Viktor Farcic, Alex Garcia] on . \*FREE\* shipping on qualifying offers. Invoke TDD principles for end-to-end **Test-Driven Java Development - Packt Publishing** Editorial Reviews. About the Author. Viktor Farcic. Viktor Farcic is a software architect. He has Test-Driven Java Development 1st Edition, Kindle Edition. by **Introduction to Test Driven Development (TDD) - Agile Data** Dec 24, 2013 In the previous article Test Driven Development (TDD): Example Walkthrough an example of TDD was given. It went from writing first test and its **If and when you should use Test-Driven Development** Test-driven development starts with developing test for each one of the features. The test might fail as the tests are developed even before the development. **Test-Driven Java Development by Viktor Farcic** **Reviews** Nov 23, 2015 Learn the basics of Test-Driven-Development (TDD) with Java and JUnit, but the concepts are applicable to any language. **Test-Driven Development (TDD) - Java Code Geeks** Test-Driven Java Development. Invoke TDD principles for end-to-end application development with Java. Viktor Farcic. Alex Garcia. BIRMINGHAM - MUMBAI. **Test Driven Development (TDD): Best Practices Using Java Examples** Test-Driven Java Development has 18 ratings and 4 reviews. Jozef said: Nice way of explaining TDD. There is a lot of examples but I would like to see eve **Summary - Test-Driven Java Development** Apr 27, 2016 Test-driven development is increasingly widespread

and there is good . His past experience was mainly focused on Java, but different **Test Driven Development -**

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