

# Mockito Essentials - Unleashing the Power of Testing with Sujoy Acharya

## About Mockito Essentials

Mockito is an open-source testing framework that helps developers create robust and reliable unit tests in Java applications. It allows you to simulate and control the behavior of dependencies, making it easier to test code in isolation. Mockito Essentials is a comprehensive guide written by Sujoy Acharya, a renowned expert in the field, that explores the various features and techniques of Mockito, providing hands-on examples and best practices.

## The Power of Testing

Testing is a crucial aspect of software development, as it helps identify bugs and ensure the functionality of the code. However, writing effective tests can be challenging, especially when dealing with complex dependencies. This is where Mockito comes in.



### Mockito Essentials by Sujoy Acharya(Kindle Edition)

★★★★☆ 4.8 out of 5

Language : English

File size : 2898 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting: Enabled

Print length : 216 pages



Mockito allows developers to create mock objects that mimic the behavior of real dependencies, enabling thorough testing of code in isolation. It provides a simple and elegant syntax for defining mock objects, stubbing their methods, and verifying interactions.

## **Introducing Sujoy Acharya**

Sujoy Acharya is a highly skilled software engineer and an expert in the field of testing and test automation. With years of experience in Java development and a deep understanding of Mockito, Sujoy is the perfect guide to help you master Mockito and take your unit testing skills to the next level.

## **What Makes Mockito Essentials Stand Out?**

Mockito Essentials goes beyond the basics and delves into the advanced features of Mockito. Sujoy Acharya covers topics such as argument matching, stubbing, verification, and working with legacy code. Each topic is explained in a clear and concise manner, accompanied by practical examples that demonstrate the concepts in action.

What sets this book apart is Sujoy's ability to explain complex concepts in a beginner-friendly way, making it accessible to developers of all skill levels. Whether you are new to Mockito or a seasoned professional, you will find valuable insights and techniques to enhance your testing practices.

## **Key Features of Mockito Essentials**

- Comprehensive coverage of Mockito's features and capabilities
- Step-by-step instructions and code examples for effective learning
- Insights into advanced Mockito techniques for complex scenarios
- Best practices for writing clean and maintainable tests

- Guidance on integrating Mockito with other testing frameworks
- Tips and tricks to enhance your testing workflow

## Who Should Read This Book?

Mockito Essentials is suitable for both beginners and experienced developers who want to improve their testing skills using Mockito. If you are a Java developer looking for a comprehensive guide that covers the ins and outs of Mockito, this book is for you.

## The Benefits of Mockito Essentials

By reading Mockito Essentials, you will:

- Gain a deep understanding of Mockito and its capabilities
- Learn advanced techniques to tackle complex testing scenarios
- Acquire practical skills through hands-on examples
- Improve your code quality and maintainability with effective testing practices
- Enhance your testing workflow and productivity

Mockito Essentials by Sujoy Acharya is a must-have resource for any Java developer seeking to master the art of unit testing. Whether you are a newcomer or seasoned professional, this book will equip you with the knowledge and skills to write robust and reliable tests using Mockito. So, take the first step towards becoming a proficient tester and grab your copy of Mockito Essentials today!

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A practical guide to get you up and running with unit testing using Mockito

## About This Book

- Explore Mockito features and learn stubbing, mocking and spying dependencies using the Mockito framework
- Mock external dependencies for legacy and greenfield projects and create an automated JUnit safety net for building reliable, maintainable and testable software
- A focused guide filled with examples and supporting illustrations on testing your software using Mockito

## Who This Book Is For

This book is ideal for developers who have some experience in Java application development as well as some basic knowledge of test doubles and JUnit testing. This book also introduces you to the fundamentals of JUnit testing, test doubles, refactoring legacy code, and writing JUnit tests for GWT and web services.

## What You Will Learn

- Explore test doubles and work with dummy, spy, fake, stub, and mock objects
- Uncover the Mockito architecture and build a custom mocking framework
- Mock, stub, and spy external code dependencies using Mockito
- Practice Behavior-driven Development (BDD) with Mockito
- Make legacy code testable by mocking and spying dependencies
- Mock GWT and web service dependencies using Mockito
- Discover argument captors, inline stubbing, and resetting mock objects

## **In Detail**

Whether you are new to JUnit testing and mocking or a seasoned Mockito expert, this book will provide you with the skills you need to successfully build and maintain meaningful JUnit test cases and effectively mock external dependencies. At the beginning, this book deals with dummy and fake objects and then moves on to exploring stubs followed by an example on spying. Then, it will show you how to make legacy code testable, mock external dependencies using Mockito, and write testable code for greenfield projects. You will also gain an insight on the concepts of Service-oriented Architecture (SOA) as well as understand how to unit test RESTful web services with Mockito. By sequentially working through the steps in each chapter, you will quickly learn the features of Mockito.

Mockito Essentials will ensure your success with these concepts, tools, and frameworks.



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