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JUnit Recipes
Practical Methods
JUnit Recipes
For Programmer
Testing
Practical
Methods For
Programmer
Testing

*From lambda
expressions and
JavaFX 8 to new
support for
network
programming and*
Page 1/241

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Practical Methods
For Programmer
Testing

*mobile
development,
Java 8 brings a
wealth of
changes. This
cookbook helps
you get up to
speed right away
with hundreds of
hands-on recipes
across a broad
range of Java
topics. You'll
learn useful*

File Type PDF JUnit Recipes Practical Methods

*techniques for
everything from
debugging and
data structures
to GUI
development and
functional
programming.*

*Each recipe
includes self-
contained code
solutions that
you can freely
use, along with*

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*a discussion of
how and why they
work. If you are
familiar with
Java basics,
this cookbook
will bolster
your knowledge
of the language
in general and
Java 8's main
APIs in
particular.*

Recipes include:

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*Methods for
compiling,
running, and
debugging
Manipulating,
comparing, and
rearranging text
Regular
expressions for
string- and
pattern-matching
Handling
numbers, dates,
and times*

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For Programmer

Testing

*Structuring data
with*

collections,

arrays, and

other types

Object-oriented

and functional

programming

techniques

Directory and

filesystem

operations

Working with

graphics, audio,

File Type PDF
JUnit Recipes
Practical Methods
and video GUI
For Programmer
development,
Testing
including JavaFX
and handlers
Network
programming on
both client and
server Database
access, using
JPA, Hibernate,
and JDBC
Processing JSON
and XML for data
storage

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Testing

*Multithreading
and concurrency
"The definitive
guide, not just
for JUnit, but
unit testing in
general."---Tyso
n S. Maxwell,
Raytheon --
Groovy brings
you the best of
both worlds: a
flexible, highly
productive,*

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*agile, dynamic
language that
runs on the rich
framework of the
Java Platform.*

*Groovy preserves
the Java
semantics and
extends the JDK
to give you true
dynamic language
capabilities.*

*Programming
Groovy 2 will*

File Type PDF
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*help you, the
experienced Java
developer, learn
and take
advantage of the
latest version
of this rich
dynamic
language. You'll
go from the
basics of Groovy
to the latest
advances in the
language,*

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including options for type checking, tail-call and memoization optimizations, compile time metaprogramming, and fluent interfaces to create DSLs. You don't have to leave the rich Java Platform to

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*take advantage
of Groovy.*

*Groovy preserves
Java's semantics
and extends the
JDK, so
programming in
Groovy feels
like the Java
language has
been augmented;
it's like
working with a
lighter, more*

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elegant Java. If you're an experienced Java developer who wants to learn how Groovy works, you'll find exactly what you need in this book.

You'll start with the fundamentals of programming in

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Groovy and how it works with Java, and then you'll explore advanced concepts such as unit testing with mock objects, using Builders, working with databases and XML, and creating DSLs.

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You'll master Groovy's powerful yet complex run-time and compile-time metaprogramming features. Much has evolved in the Groovy language since the publication of the first edition of Programming

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Groovy.

Programming

*Groovy 2 will
help you learn
and apply*

*Groovy's new
features.*

*Creating DSLs is
easier now, and
Groovy's already-
powerful*

*metaprogramming
facilities have
improved even*

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more. You'll see how to work with closures, including tail call optimization and memoization. The book also covers Groovy's new static compilation feature. Whether you're learning the basics of

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*the language or
interested in
getting
proficient with
the new
features,
Programming
Groovy 2 has you
covered. What
You Need To work
on the examples
in the book you
need Groovy
2.0.5 and Java*

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*JDK 5 or higher.
Introduces a
realistic
approach to
leading,
managing, and
growing your
Agile team or
organization.
Written for
current managers
and developers
moving into
management,*

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Appelo shares insights that are grounded in modern complex systems theory, reflecting the intense complexity of modern software development. Recognizes that today's organizations are living,

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*networked
systems; that
you can't simply
let them run
themselves; and
that management
is primarily
about people and
relationships.
Deepens your
understanding of
how
organizations
and Agile teams*

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work, and gives you tools to solve your own problems.

Identifies the most valuable elements of Agile management, and helps you improve each of them.

Proven Patterns and Techniques

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Practical Methods
for Succeeding
With Agile in
Your

Organization
Agile methods
promise to help
you create
software that
delivers far
more business
value—and do it
faster, at lower
cost, and with
less pain.

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However, many organizations struggle with implementation and leveraging these methods to their full benefit. In this book, Amr Elssamadisy identifies the powerful lessons that have been learned about

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*successfully
moving to agile
and distills
them into 30
proven agile
adoption
patterns.*

*Elssamadisy
walks you
through the
process of
defining your
optimal agile
adoption*

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*strategy with
case studies and
hands-on
exercises that
illuminate the
key points. He
systematically
examines the
most common
obstacles to
agile
implementation,
identifying
proven*

File Type PDF JUnit Recipes Practical Methods solutions.

You'll learn
where to start,
how to choose
the best agile
practices for
your business
and technical
environment, and
how to adopt
agility
incrementally,
building on
steadily growing

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success.
For Programmer
Building
Testing
Scalable and
High-performance
Java Web
Applications
Using J2EE
Technology
Agile Adoption
Patterns

Enterprise Java
LDAP Development
Made Easy

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*The Cucumber
Book*

*Patterns of
Agile Practice
Adoption*

Mockito Cookbook

*Learn how to
create and
develop shell
scripts in a step-
by-step manner
increasing your
knowledge as you*

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*progress through
the book. Learn*

*how to work the
shell commands*

*so you can be
more productive
and save you
time.*

*These are the
proven, effective
agile practices
that will make you*

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*a better
developer. You'll
learn pragmatic
ways of
approaching the
development
process and your
personal coding
techniques. You'll
learn about your
own attitudes,
issues with*

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working on a team, and how to best manage your learning, all in an iterative, incremental, agile style. You'll see how to apply each practice, and what benefits you can expect.

Bottom line: This

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*book will make
you a better
developer.*

*Within the
framework of
Acceptance Test-
Driven-
Development
(ATDD),
customers,
developers, and
testers*

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*collaborate to
create acceptance
tests that
thoroughly
describe how
software should
work from the
customer's
viewpoint. By
tightening the
links between
customers and*

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*agile teams,
ATDD can
significantly
improve both
software quality
and developer
productivity. This
is the first start-to-
finish, real-world
guide to ATDD for
every agile
project*

participant.

*Leading agile
consultant Ken*

*Pugh begins with
a dialogue among
a customer,
developer, and
tester, explaining
the “what, why,
where, when, and
how” of ATDD and
illuminating the*

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experience of participating in it. Next, Pugh presents a practical, complete reference to each facet of ATDD, from creating simple tests to evaluating their results. He

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concludes with five diverse case studies, each identifying a realistic set of problems and challenges with proven solutions. Coverage includes

- How to develop software with fully testable*

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requirements •

*How to simplify
and componentize*

tests and use

them to identify

missing logic •

*How to test user
interfaces, service*

implementations,

and other tricky

elements of a

software system •

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How to identify requirements that are best handled outside software •
How to present test results, evaluate them, and use them to assess a project's overall progress •
How to build acceptance tests

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*that are mutually
beneficial for
development*

*organizations and
customers • How*

*to scale ATDD to
large projects*

*How do successful
agile teams*

*deliver bug-free,
maintainable soft
ware—iteration*

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*after iteration?
The answer is: By
seamlessly
combining
development and
testing. On such
teams, the
developers write
testable code that
enables them to
verify it using
various types of*

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Testing

automated tests.

This approach

keeps regressions

at bay and

prevents “testing

crunches”—which

otherwise may

occur near the

end of an

iteration—from

ever happening.

Writing testable

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*code, however, is
often difficult,*

because it

requires

knowledge and

skills that cut

across multiple

disciplines. In

Developer

Testing, leading

test expert and

mentor Alexander

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Tarlinder presents concise, focused guidance for making new and legacy code far more testable.

Tarlinder helps you answer questions like:

When have I tested this enough? How

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many tests do I need to write? What should my tests verify? You'll learn how to design for testability and utilize techniques like refactoring, dependency breaking, unit testing, data-

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*driven testing,
and test-driven
development to
achieve the
highest possible
confidence in your
software. Through
practical
examples in Java,
C#, Groovy, and
Ruby, you'll
discover what*

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works—and what doesn't. You can quickly begin using Tarlinder's technology-agnostic insights with most languages and toolsets while not getting buried in specialist details. The author helps

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*you adapt your
current
programming
style for
testability, make a
testing mindset
“second nature,”
improve your
code, and enrich
your day-to-day
experience as a
software*

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*professional. With
this guide, you
will Understand
the discipline and
vocabulary of
testing from the
developer's
standpoint Base
developer tests on
well-established
testing techniques
and best practices*

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*Recognize code
constructs that
impact testability
Effectively name,
organize, and
execute unit tests
Master the
essentials of
classic and
“mockist-style”
TDD Leverage
test doubles with*

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*or without
mocking
frameworks
Capture the
benefits of
programming by
contract, even
without runtime
support for
contracts Take
control of
dependencies*

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*between classes,
components,
layers, and tiers*

*Handle
combinatorial
explosions of test
cases, or
scenarios
requiring many
similar tests*

*Manage code
duplication when*

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*it can't be
eliminated*

*Actively maintain
and improve your
test suites*

*Perform more
advanced tests at
the integration,
system, and end-
to-end levels*

*Develop an
understanding for*

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*how the
organizational
context influences
quality assurance
Establish well-
balanced and
effective testing
strategies suitable
for agile teams
As more and more
people move
towards adoption*

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of Agile practices, they are looking for guidance and advice on how to adopt Agile successfully.

Unfortunately many of the questions they have such as:

"Where do I start?," "What

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*specific practices
should I adopt?,"*

*"How can I adopt
incrementally?"*

*and "Where can I
expect pitfalls?"*

are not

adequately

addressed. This

book answers

these questions by

guiding the

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*reader on crafting
their own*

adoption strategy

focused on their

business values

and environment.

This strategy is

then directly tied

to patterns of

agile practice

adoption that

describe how

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Practical Methods

*many teams have
successfully (and
unsuccessfully)*

adopted them.

*Business values
are also a*

*component of
these patterns - so
your adoption is
always focused on
addressing your
particular*

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environment.
Struts 2 Black
Book, 2Nd Ed
(With Cd)
Practical Java
Practical Methods
for Programmer
Testing
Jakarta EE
Cookbook
Eclipse Cookbook
Working

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Testing

*Effectively with
Legacy Code
Practical TDD and
Acceptance TDD
for Java*

Developers

**When testing
becomes a
developer's habit
good things tend
to happen--good
productivity,**

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Testing

**good code, and
good job
satisfaction. If
you want some of
that, there's no
better way to
start your testing
habit, nor to
continue feeding
it, than with ""
JUnit Recipes, ""
In this book you
will find one**

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***hundred and
thirty-seven
solutions to a
range of
problems, from
simple to
complex,
selected for you
by an
experienced
developer and
master tester.
Each recipe***

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follows the same organization giving you the problem and its background before discussing your options in solving it. JUnit - the unit testing framework for Java - is simple to use, but some code can be

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***tricky to test.
When you're
facing such code
you will be glad
to have this
book. It is a how-
to reference full
of practical
advice on all
issues of testing,
from how to
name your test
case classes to***

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how to test complicated J2EE applications. Its valuable advice includes side matters that can have a big payoff, like how to organize your test data or how to manage expensive test resources. What's

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Inside: - Getting started with JUnit

- Recipes for:

servlets JSPs EJBs

Database code

much more -

Difficult-to-test

designs, and how

to fix them - How

testing saves

time - Choose a

JUnit extension:

HTMLUnit

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XMLUnit
ServletUnit
EasyMock and
more!

***If you are an
Android
developer looking
to test your
applications or
optimize your
application
development
process, then this***

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Practical Methods

book is for you.

No previous

experience in

application

testing is

required.

JUnit

Recipes Practical

Methods for

Programmer

Testing Simon and

Schuster

For those

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**considering
Extreme
Programming,
this book
provides no-
nonsense advice
on agile planning,
development,
delivery, and
management
taken from the
authors' many
years of**

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experience. While plenty of books address the what and why of agile development, very few offer the information users can apply directly.

Eclipse is a powerful open source platform that gives Java

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developers a new way to approach development projects. In this 'Cookbook' Steve Holzner demystifies Eclipse with practical recipes for more than 800 situations that may be encountered.

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Java Cookbook
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Linux and UNIX
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Shell

**Programming
Techniques,
Practices, and
Patterns for
Building and
Maintaining
Effective
Software Projects
Building Quality
into Software**

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**SQL Cookbook
WORK EFFECT
LEG CODE _p1
Solutions and
Examples for Java
Developers**

This is a cookbook packed with code examples and step-by-step instructions to ease your learning curve. This book is intended for

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software quality assurance/testing professionals, software project managers, or software developers with prior experience in using Selenium and Java for testing web-based applications. This book also provides examples for C#,

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Python, and Ruby
users.

JUnit, created by
Kent Beck and Erich
Gamma, is an open
source framework
for test-driven
development in any
Java-based code.

JUnit automates unit
testing and reduces
the effort required to
frequently test code

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while developing it.

While there are lots of bits of

documentation all over the place, there isn't a go-to-manual that serves as a quick reference for JUnit.

This Pocket Guide meets the need, bringing together all the bits of hard to remember

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information, syntax, and rules for working with JUnit, as well as delivering the insight and sage advice that can only come from a technology's creator. Any programmer who has written, or is writing, Java Code will find this book valuable. Specifically

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it will appeal to programmers and developers of any level that use JUnit to do their unit testing in test-driven development under agile methodologies such as Extreme Programming (XP) [another Beck creation].

An enterprise Java

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developer's guide to
learning JAX-RS,
context and

dependency

injection, JavaServer
Faces (JSF), and

microservices with

Eclipse MicroProfile

using the latest

features of Jakarta

EE Key

FeaturesExplore

Jakarta EE's latest

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features and API specifications and discover their benefitsBuild and deploy microservices using Jakarta EE 8 and Eclipse MicroProfileBuild robust RESTful web services for various enterprise scenarios using the JAX-RS, JSON-P, and JSON-

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B APIs Book

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Testing Jakarta

EE is widely used

around the world for

developing

enterprise

applications for a

variety of domains.

With this book, Java

professionals will be

able to enhance their

skills to deliver

powerful enterprise

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solutions using
practical recipes.

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This second edition
of the Jakarta EE
Cookbook takes you
through the
improvements
introduced in its
latest version and
helps you get hands-
on with its significant
APIs and features
used for server-side

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development. You'll use Jakarta EE for creating RESTful web services and web applications with the JAX-RS, JSON-P, and JSON-B APIs and learn how you can improve the security of your enterprise solutions. Not only will you learn how to use the

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most important servers on the market, but you'll also learn to make the best of what they have to offer for your project. From an architectural point of view, this Jakarta book covers microservices, cloud computing, and containers. It allows

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you to explore all the tools for building reactive applications using Jakarta EE and core Java features such as lambdas. Finally, you'll discover how professionals can improve their projects by engaging with and contributing to the

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community. By the end of this book, you'll have become proficient in developing and deploying enterprise applications using Jakarta EE. What you will learn
Work with Jakarta EE's most commonly used APIs and features for server-side

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development Enable

fast and secure

communication in

web applications

with the help of

HTTP2Build

enterprise

applications with

reusable

components Break

down monoliths into

microservices using

Jakarta EE and

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MicroProfileImprov

e your enterprise

applications with

multithreading and

concurrencyRun

applications in the

cloud with the help

of containersGet to

grips with

continuous delivery

and deployment for

shipping your

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applications
effectively Who this
book is for This book
is for Java EE

developers who want
to build enterprise
applications or
update their legacy
apps with Jakarta
EE's latest features
and specifications.
Some experience of
working with Java

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EE and knowledge of web and cloud computing will assist with understanding the concepts covered in this book.

Struts 2 Black Book brings to you a detailed discussion on Web application development by using Struts 2 Framework.

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Targeting beginner to advance level readers, this book begins with an introduction to Struts 2 and describes its evolutions as a new Web Application Framework. It covers various concepts supported by Struts 2, such as

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Interceptors, Results, Validators, Generic and UITags and Plugins. The book also describes the benefits of these concepts and different ways of implementing them. In addition, the book discusses various components created and configured in

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Struts 2 Framework based web application. The book also covers the architecture and implementation changed in Struts 2 from Struts 1. The book describes the process of migrating a Struts 1 application to a Struts 2 based application, and a lot

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more.

A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries. A Problem-Focused Approach

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Organizational

Success

Learning Android

Application Testing

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JRuby Cookbook

Use Kotlin to

build Android

apps, web

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applications, and more—while you learn the nuances of this popular language. With this unique cookbook, developers will learn how to apply this Java-based language to their own projects. Both

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*experienced
programmers and
those new to*

*Kotlin will benefit
from the practical
recipes in this*

*book. Author Ken
Kousen (Modern
Java Recipes)*

*shows you how to
solve problems
with Kotlin by
concentrating on*

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your own use
For Programmer
Testing
cases rather than
on basic syntax.

You provide the
context and this
book supplies the
answers. Already
big in Android
development,
Kotlin can be
used anywhere
Java is applied, as
well as for iOS

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development,
For Programmer
native
Testing
applications, Java
Scriptgeneration,
and more. Jump
in and build
meaningful
projects with
Kotlin today.
Apply functional
programming
concepts,
including

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*lambdas,
sequences, and
concurrency See
how to use
delegates, late
initialization, and
scope functions
Explore Java
interoperability
and access Java
libraries using
Kotlin Add your
own extension*

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functions Use
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helpful libraries
such as JUnit 5
Get practical
advice for
working with
specific
frameworks, like
Android and
Spring
Rely on this
robust and
thorough guide to

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build and maintain successful test automation. As the software industry shifts from traditional waterfall paradigms into more agile ones, test automation becomes a highly important tool

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that allows your development teams to deliver software at an ever-increasing pace without compromising quality. Even though it may seem trivial to automate the repetitive tester's work, using test

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automation efficiently and properly is not trivial. Many test automation endeavors end up in the “graveyard” of software projects. There are many things that affect the value of test automation, and

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also its costs.

This book aims to cover all of these aspects in great detail so you can make decisions to create the best test automation solution that will not only help your test automation project to

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succeed, but also allow the entire software project to thrive. One of the most important details that affects the success of the test automation is how easy it is to maintain the automated tests.

Complete Guide

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to Test
Automation
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provides a detailed hands-on guide for writing highly maintainable test code. What You'll Learn Know the real value to be expected from test automation Discover the key

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*traits that will
make your test
automation
project succeed
Be aware of the
different
considerations to
take into account
when planning
automated tests
vs. manual tests
Determine who
should implement*

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*the tests and the
implications of
this decision*

*Architect the test
project and fit it
to the*

*architecture of
the tested
application*

*Design and
implement highly
reliable*

automated tests

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Testing
*Begin gaining
value from test
automation*

*earlier Integrate
test automation
into the business
processes of the
development*

*teamLeverage
test automation
to improve your
organization's
performance and*

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Testing
*quality, even
without formal
authority*

*Understand how
different types of
automated tests
will fit into your
testing strategy,
including unit
testing, load and
performance
testing, visual
testing, and more*

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*Who This Book Is
For Those
involved with
software
development
such as test
automation leads,
QA managers,
test automation
developers, and
development
managers. Some
parts of the book*

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*assume hands-on
experience in
writing code in
an object-
oriented
language (mainly
C# or Java),
although most of
the content is
also relevant for
nonprogrammers.
A superior primer
on software*

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*testing and
quality
assurance, from
integration to
execution and
automation This
important new
work fills the
pressing need for
a user-friendly
text that aims to
provide software
engineers,*

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*software quality
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developers, and

students with the

fundamental

developments in

testing theory

and common

testing practices.

Software Testing

and Quality

Assurance:

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Process models for units, integration, system, and acceptance testing
How to build test teams, including recruiting and retaining test engineers
Quality

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Testing Maturity
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Improvement
Model Expertly
balancing theory
with practice,
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complemented
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abundance of pedagogical tools, including test questions, examples, teaching suggestions, and chapter summaries, this book is a valuable, self-contained tool for professionals and

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introductory text
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*Get more out of
your legacy
systems: more
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reliability, and manageability Is your code easy to change? Can you get nearly instantaneous feedback when you do change it? Do you understand it? If the answer to any of these questions is no,

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*you have legacy
code, and it is*

*draining time and
money away from
your development*

efforts. In this

book, Michael

Feathers offers

start-to-finish

strategies for

working more

effectively with

large, untested

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*legacy code
bases. This book
draws on
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created for his
renowned Object
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techniques
Michael has used
in mentoring to
help hundreds of
developers,
technical*

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*managers, and
testers bring
their legacy
systems under
control. The
topics covered
include*

*Understanding
the mechanics of
software change:
adding features,
fixing bugs,
improving design,*

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*optimizing
performance
Getting legacy
code into a test
harness Writing
tests that protect
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introducing new
problems
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can be used with
any language or
platform—with*

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Accurately

identifying where

code changes

need to be made

Coping with

legacy systems

that aren't object-

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Handling

applications that

don't seem to

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help you work
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elements in
isolation and
make safer*

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code can be
tricky to test.
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you will be glad
to have this book.
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organize your
test data or how
to manage
expensive test
resources. In this
book you will find
one hundred and
thirty seven
solutions to a
range of
problems, from
simple to*

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for you by an
experienced
developer and
master tester.*

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follows the same
organization
giving you the
problem and its
background
before discussing
your options in*

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developers*

The introduction of
functional
programming
concepts in Java SE
8 was a drastic

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change for this
venerable object-
oriented language.

Lambda
expressions,
method references,
and streams
fundamentally
changed the idioms
of the language,
and many
developers have
been trying to catch

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up ever since. This cookbook will help. With more than 70 detailed recipes, author Ken Kousen shows you how to use the newest features of Java to solve a wide range of problems. For developers comfortable with previous Java

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versions, this guide covers nearly all of Java SE 8, and includes a chapter focused on changes coming in Java 9. Need to understand how functional idioms will change the way you write code? This cookbook—chock full of use cases—is

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for you. Recipes
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and method
references
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package Stream
operations for
transforming and
filtering data
Comparators and
Collectors for

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converting
streaming data
Combining
lambdas, method
references, and
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instances and
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Java ' s Optional
type New I/O
capabilities that
support functional

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streams The Date-
Time API that
replaces the legacy
Date and Calendar
classes Mechanisms
for experimenting
with concurrency
and parallelism
In test driven
development, you
first write an
executable test
of what your

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application code must do. Only then do you write the code itself and, with the test spurring you on, you improve your design. In acceptance test driven development (ATDD), you use the same technique to

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implement product features, benefiting from iterative development, rapid feedback cycles, and better-defined requirements. TDD and its supporting tools and techniques lead to better software faster. Test Driven brings under one

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cover practical TDD
techniques distilled

from several years

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environment, it

explores both the

techniques and the

mindset of TDD and

ATDD. It uses

carefully chosen

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examplesto
illustrate TDD tools
and design
patterns, not in the
abstractbut
concretely in the
context of the
technologies you
face at work.It is
accessible to TDD
beginners, and it
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Servlets, JSPs, and
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Tough issues like
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programs and data
access code

Your customers
want rock-solid,
bug-free software
that does exactly
what they expect it
to do. Yet they can't
always articulate
their ideas clearly
enough for you to
turn them into
code. You need

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clear, executable specifications that everyone on the team can read. Feed those examples into Cucumber and let it guide your development. Build just the right code to keep your customers happy. You can use Cucumber to test

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almost any system or any platform. Get started by using the core features of Cucumber and working with Cucumber's Gherkin DSL to describe-in plain language-the behavior your customers want from the system.

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Then write Ruby code that interprets those plain-language specifications and checks them against your application. Next, consolidate the knowledge you've gained with a worked example, where you'll learn

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more advanced
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techniques, test
asynchronous
systems, and test
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and commonly seen
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5, and RSpec 3.5
Brimming with over
100 "recipes" for
getting down to
business and
actually doing XP,
the Java Extreme
Programming
Cookbook doesn't
try to "sell" you on

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XP; it succinctly documents the most important features of popular open source tools for XP in Java--including Ant, Junit, Http'nit, Cactus, Tomcat, XDoclet--and then digs right in, providing recipes for implementing

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the tools in real-world

environments.

Java programmers know how finicky Java can be to work with. An omitted semi-colon or the slightest typo will cause the Java command-line compiler to spew pages of annoying

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error messages
across your screen.

And it doesn't fix
them--that's up to
you: fix them,
compile again, and
hope that nothing
goes wrong this
time. Eclipse, the
popular Java
integrated
development
environment (IDE)

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provides an elegant and powerful remedy for this common, frustrating scenario. It doesn't just catch your errors before you compile, it also suggests solutions. All you need to do is point and click. And it's free--what could be better?

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Still, if you're like most programmers, mastering a new technology--no matter how productive it will make you in the long run--is going to take a chunk out of your productivity now. You want to get up to speed quickly without

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with no fluff, that gets down to business immediately. The book is tightly focused, covering all aspects of Eclipse: the menus, preferences, views, perspectives, editors, team and debugging techniques, and

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(SWT) Web
development
Developing Struts
applications with
Eclipse From basics

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based enterprise
applications using
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Framework. This

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book explains the
purpose and
fundamental

concepts of LDAP
before giving a
comprehensive tour
of the latest version,
Spring LDAP 1.3.2.
It provides a detailed
treatment of LDAP
controls and the new
features of Spring

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LDAP 1.3.2 such as Object Directory Mapping and LDIF parsing. LDAP has become the de-facto standard for storing and accessing information in enterprises. Despite its widespread adoption, developers often struggle when

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it comes to using this
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traditional JNDI

approach has proven

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applications. The

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Advanced
features such as
transactions and

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Testing
LDAP search and
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framework
New
features such as
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Mapping and LDIF
parsing
Detailed
treatment of search
controls and paged

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book is ideal for
anyone with Java
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development
experience who
wants to master the
intricacies of Spring

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LDAP. Table of
Contents1.

Introduction to

LDAP 2. Java

Support for LDAP 3.

Introducing Spring

LDAP 4. Testing

LDAP Code 5.

Advanced Spring

LDAP 6. Searching

LDAP 7. Sorting and

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“just enough,”
balancing small
increments with
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with SonarQube and
repositories to store
build artifacts
Establish automated
GUI and textual
acceptance testing
with behavior-driven
design Ensure
appropriate
performance via

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capacity testing

Check new features
and problems with
exploratory testing

Minimize risk
throughout

automated

production software
rollouts Gather and
analyze metrics and
logs with

Elasticsearch,

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Logstash, Kibana
(ELK), and Graphite
Manage the

introduction of

Continuous Delivery

into your enterprise

Architect software to

facilitate Continuous

Delivery of new

capabilities

Over 35 recipes to

help you build, test,

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applications using
Spring Boot About

This Book Learn to
create different types
of Spring Boot
applications,
configure behavior,
and add custom
components Become
more efficient in
testing, deploying,

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and monitoring
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Spring Boot based applications This is a practical guide that will help Spring developers to develop and deploy applications using Spring Boot Who This Book Is For If you are a Spring Developer who has

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good knowledge
level and
understanding of
Spring Boot and
application
development and
now want to learn
efficient Spring Boot
development
techniques in order
to make the existing
development process

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What You Will
Learn Create Spring
Boot applications
from scratch
Configure and tune
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containers Create
custom Spring Boot
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Spring Boot Test
framework with
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and Spock Configure
and tune web
applications and
containers Deploy
Spring Boot as self-
starting executables
and Docker
containers Monitor
data using

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Drop Wizard,
Graphite, and
Dashing In Detail
Spring Boot is
Spring's convention-
over-configuration
solution. This
feature makes it easy
to create Spring
applications and
services with
absolute minimum

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fuss. Spring Boot has the great ability to be customized and enhanced, and is specifically designed to simplify development of a new Spring application. This book will provide many detailed insights about the

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inner workings of Spring Boot, as well as tips and recipes to integrate the third-party frameworks and components needed to build complex enterprise-scale applications. The book starts with an overview of the important and useful

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Spring Boot starters that are included in the framework, and teaches you to create and add custom Servlet Filters, Interceptors, Converters, Formatters, and PropertyEditors to a Spring Boot web application. Next it

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will cover configuring custom routing rules and patterns, adding additional static asset paths, and adding and modifying servlet container connectors and other properties such as enabling SSL. Moving on, the

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book will teach you how to create custom Spring Boot Starters, and explore different techniques to test Spring Boot applications. Next, the book will show you examples of configuring your build to produce Docker images and

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self-executing binary
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files for Linux/OSX
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environments.

Finally, the book
will teach you how
to create custom
health indicators,
and access
monitoring data via
HTTP and JMX.
Style and approach
This book is a

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cohesive collection
of recipes that
provide developers
with a set of
connected guidelines
on how to build,
configure, and
customize their
application, starting
from the design and
development stages,
all the way through

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JUnit Recipes Quick Look-up and Advice

Summary Effective Unit Testing is written to show how to write good tests—tests that are concise and to the point, expressive, useful, and maintainable. Inspired by Roy Osherove's bestselling *The Art of*

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Unit Testing, this book focuses on tools and practices specific to the Java world. It introduces you to emerging techniques like behavior-driven development and specification by example, and shows you how to add robust practices into your toolkit. About Testing Test the components

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before you assemble them into a full application, and you'll get better software. For Java developers, there's now a decade of experience with well-crafted tests that anticipate problems, identify known and unknown dependencies in the code, and allow you to test components

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both in isolation and in the context of a full application. About this Book Effective Unit Testing teaches Java developers how to write unit tests that are concise, expressive, useful, and maintainable. Offering crisp explanations and easy-to-absorb examples, it

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introduces emerging techniques like behavior-driven development and specification by example.

Programmers who are already unit testing will learn the current state of the art. Those who are new to the game will learn practices that will serve them well for

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the rest of their career. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. About the Author Lasse Koskela is a coach, trainer, consultant, and programmer. He hacks on open source

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projects, helps companies improve their productivity, and speaks frequently at conferences around the world. Lasse is the author of Test Driven, also published by Manning. What's Inside A thorough introduction to unit testing Choosing best-of-breed tools Writing tests using dynamic

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Trustworthiness

PART 3

DIVERSIONS

Testable design

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Writing tests in other
JVM languages
Speeding up test
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One of the first books available on scripting the Windows NT shell, this title appeals to the many UNIX users migrating to Windows NT. It integrates hundreds of proven example scripts throughout the

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book and gives comprehensive reference of shell commands organized by functional group for ease of use.

This is a cookbook with easy-to-follow recipes containing practical and detailed examples which are all fully backed up with code, illustrations, and

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tips."Vaadin 7 Cookbook" is for developers who want to create Rich Internet Applications with Vaadin.Both newcomers to Vaadin and those who have some experience with it will find recipes to expand their working knowledge of Vaadin.

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Objects and equality

-- Exception handling

-- Performance --

Multithreading --

Classes and

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Appendix: learning

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Scaling Java

enterprise

applications beyond

just programming

techniques--this is the

next level. This

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JRuby, you***

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***probably don't
need a tutorial on
Ruby, Rails, or
Java -- you just
need to know
how to get things
done. This
Cookbook offers
practical
solutions for
using the Java
implementation***

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targeted recipes
for deploying
Rails web
applications on
Java servers,
integrating JRuby
code with Java
technologies,
developing
JRuby desktop***

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Cookbook shows

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JRuby on

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***and IDEs such as
NetBeans and
Eclipse Package
and deploy Rails
apps on Java
Servlet
containers and
Java EE
application
servers,
including JBoss,
Tomcat, and***

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***GlassFish
Integrate Ruby
and Rails***

***applications with
popular Java EE
technologies
such as JMS,
JMX, JPA,
Spring, and
Hibernate
Develop desktop
and client***

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***applications with
cross-platform
Java UI***

***technologies and
toolkits such as
Swing, SWT, and
Java 2D***

***Maximize the
flexibility of your
testing and build
environment,
using both***

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existing Java-based tools such as Ant and Maven and newer Ruby-based tools such as Rake, Raven, and Buildr The JRuby interpreter combines Ruby's simplicity and ease of use with Java's extensive

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*libraries and
technologies, a
potent blend that
opens new
possibilities for
Ruby, Rails, and
Java. This
Cookbook helps
you take full
advantage of
JRuby's
potential. "The*

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is an excellent
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polyglot who is
trying to bridge
the gap between
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specific problems
developers face
in both their***

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development and testing

environments,

along with the

applications

they're

building."-- Bob

McWhirter,

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Hat Middleware

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