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Software Guided
By Tests

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**Software testing is
indispensable and**

Read Free
Growing Object
Oriented Software
is one of the most
discussed topics in
software
development today.

Many companies
address this issue
by assigning a
dedicated software
testing phase
towards the end of
their development
cycle. However,

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quality cannot be tested into a buggy application. Early and continuous unit testing has been shown to be crucial for high quality software and low defect rates. Yet current books on testing ignore the developer's point of

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Oriented Software
**view and give little
guidance on how to
bring the
overwhelming
amount of testing
theory into
practice. Unit
Testing in Java
represents a
practical
introduction to unit
testing for software**

Read Free
Growing Object
Oriented Software
developers. It
introduces the basic
test-first approach
and then discusses
a large number of
special issues and
problem cases. The
book instructs
developers through
each step and
motivates them to
explore further.

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**Shows how the
discovery and
avoidance of
software errors is a
demanding and
creative activity in
its own right and
can build
confidence early in
a project.**

**Demonstrates how
automated tests can**

Read Free
Growing Object
Oriented Software
**detect the
unwanted effects of
small changes in
code within the
entire system.**

**Discusses how
testing works with
persistency,
concurrency,
distribution, and
web applications.
Includes a**

Read Free
Growing Object
Oriented Software
**discussion of testing
with C++ and
Smalltalk.
Pattern-oriented
software
architecture is a
new approach to
software
development. This
book represents the
progression and
evolution of the**

Read Free
Growing Object
Oriented Software
**pattern approach
into a system of
patterns capable of
describing and
documenting large-
scale applications.**

**A pattern system
provides, on one
level, a pool of
proven solutions to
many recurring
design problems.**

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On another it shows how to combine individual patterns into heterogeneous structures and as such it can be used to facilitate a constructive development of software systems.

Uniquely, the

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Oriented Software
**patterns that are
presented in this
book span several
levels of
abstraction, from
high-level
architectural
patterns and
medium-level
design patterns to
low-level idioms.**
The intention of,

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Oriented Software
and motivation for,
Guided By Tests
this book is to
Addison Wesley
support both
Signature Series
novices and experts
Beck
in software

development.

Novices will gain
from the experience
inherent in pattern
descriptions and
experts will
hopefully make use

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Oriented Software
of, add to, extend
Guided By Tests
and modify
Addison Wesley
patterns to tailor
Signature Series
them to their own
Beck
needs. None of the
pattern
descriptions are
cast in stone and,
just as they are
borne from
experience, it is
expected that

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Oriented Software
further use will
feed in and refine
individual patterns
and produce an

evolving system of
patterns. Visit our
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ww.wiley.com/com
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pbooks/)

Summary
Dependency
Injection

Read Free
Growing Object
Oriented Software
**Principles,
Practices, and
Patterns teaches
you to use DI to
reduce hard-coded
dependencies
between
application
components. You'll
start by learning
what DI is and
what types of**

Read Free
Growing Object
Oriented Software
**applications will
benefit from it.**
Then, you'll work
through concrete
scenarios using C#
and the .NET
framework to
implement DI in
your own projects.
As you dive into the
thoroughly-
explained

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Oriented Software
examples, you'll
Guided By Tests
develop a
Addison Wesley
foundation you can
Signature Series
apply to any of the
Beck
many DI libraries
for .NET and .NET
Core. Purchase of
the print book
includes a free
eBook in PDF,
Kindle, and ePub
formats from

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Oriented Software
Manning
Guided By Tests
Publications. About
Addison Wesley
the Technology
Signature Series
Dependency
Beck

**Injection (DI) is a
great way to reduce
tight coupling
between software
components.
Instead of hard-
coding
dependencies, such**

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Oriented Software
**as specifying a
database driver,
you make those
connections
through a third
party. Central to
application
frameworks like
ASP.NET Core, DI
enables you to
better manage
changes and other**

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Growing Object
Oriented Software
complexity in your
software. About the
Addison Wesley
Signature Series
**Book Dependency
Injection
Principles,
Practices, and
Patterns is a
revised and
expanded edition of
the bestselling
classic Dependency
Injection in .NET.**

Read Free
Growing Object
Oriented Software
It teaches you DI
Guided By Tests
from the ground
Addison Wesley
up, featuring
Signature Series
relevant examples,
Beck
patterns, and anti-
patterns for
creating loosely
coupled, well-
structured
applications. The
well-annotated
code and diagrams

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use C# examples to
Guided By Tests
illustrate principles
Addison Wesley
that work
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flawlessly with
Beck
modern object-
oriented languages
and DI libraries.
What's Inside
Refactoring
existing code into
loosely coupled
code DI techniques

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Oriented Software
**that work with
statically typed OO
languages
Integration with
common .NET
frameworks
Updated examples
illustrating DI in
.NET Core About
the Reader For
intermediate OO
developers. About**

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the Authors Mark
Guided By Tests
Seemann is a
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programmer,
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software architect,
Beck
and speaker who
has been working
with software since
1995, including six
years with
Microsoft. Steven
van Deursen is a
seasoned .NET

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Oriented Software
**developer and
architect, and the
author and
maintainer of the
Simple Injector DI
library. Table of
Contents PART 1
Putting
Dependency
Injection on the
map The basics of
Dependency**

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Oriented Software
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**Injection: What,
why, and how
Writing tightly
coupled code
Writing loosely
coupled code PART
2 Catalog DI
patterns DI anti-
patterns Code
smells PART 3
Pure DI
Application**

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Oriented Software
**composition Object
lifetime
Interception Aspect-
Oriented
Programming by
design Tool-based
Aspect-Oriented
Programming
PART 4 DI
Containers DI
Container
introduction The**

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**Autofac DI
Container The
Simple Injector DI
Container The Mic
rosoft.Extensions.D**

**ependencyInjection
DI Container**

**Automated testing
is a cornerstone of
agile development.
An effective testing
strategy will deliver**

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**new functionality
more aggressively,
accelerate user
feedback, and
improve quality.**

**However, for many
developers,
creating effective
automated tests is a
unique and
unfamiliar
challenge. xUnit**

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Test Patterns is the definitive guide to writing automated tests using xUnit, the most popular unit testing framework in use today. Agile coach and test automation expert Gerard Meszaros describes 68 proven patterns

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Oriented Software
**for making tests
easier to write,
understand, and
maintain. He then
shows you how to
make them more
robust and
repeatable--and far
more cost-effective.
Loaded with
information, this
book feels like**

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three books in one.
Guided By Tests
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Beck

**The first part is a
detailed tutorial on
test automation
that covers**

**everything from
test strategy to in-
depth test coding.**

**The second part, a
catalog of 18
frequently
encountered "test**

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Growing Object
Oriented Software
smells," provides
Guided By Tests
trouble-shooting
Addison Wesley
guidelines to help
Signature Series
you determine the
Beck
root cause of
problems and the
most applicable
patterns. The third
part contains
detailed
descriptions of each
pattern, including

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Oriented Software
refactoring
instructions
Addison Wesley
illustrated by
Signature Series
extensive code
Beck
samples in multiple
programming
languages.

By Example
Lean Architecture
How Tests Drive
the Code
Elegant Objects

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Oriented Software
**Pattern-Oriented
Software
Architecture, A
System of Patterns
Dependency
Injection
Principles,
Practices, and
Patterns
Building
Microservices
More and more**

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Agile projects are seeking architectural roots as they struggle with complexity and scale - and they're seeking lightweight ways to do it Still seeking? In this book the authors help you to find your own path

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Oriented Software
Taking cues from
Lean development,
they can help steer
your project toward
practices with

longstanding track
records Up-front
architecture? Sure.
You can deliver an
architecture as
code that compiles
and that concretely

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Growing Object
Oriented Software
guides
development
without bogging it
down in a mass of
documents and
guesses about the
implementation
Documentation?
Even a whiteboard
diagram, or a CRC
card, is
documentation: the

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Beck

goal isn't to avoid
documentation, but
to document just
the right things in
just the right
amount Process?

This all works
within the
frameworks of
Scrum, XP, and
other Agile
approaches

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Oriented Software
Write clean code
Guided By Tests
that works with the
Addison Wesley
help of this
Signature Series
groundbreaking
Beck
software method.

Example-driven
teaching is the
basis of Beck's
step-by-step
instruction that will
have readers using
TDD to further their

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projects.
Guided By Tests
Software
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configuration
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management
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(SCM) is one of the scientific tools that is aimed to bring control to the software development process. This new resource is a

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Growing Object
Oriented Software
complete guide to
implementing,
operating, and
maintaining a
successful SCM

system for software
development.

Project managers,
system designers,
and software
developers are
presented with not

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Beck

only the basics of
SCM, but also the
different phases in
the software
development

lifecycle and how
SCM plays a role in
each phase. The
factors that should
be considered and
the pitfalls that
should be avoided

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while designing the
SCM system and
SCM plan are also
discussed. In

addition, this third
edition is updated
to include cloud
computing and on-
demand systems.
This book does not
rely on one specific
tool or standard for

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Oriented Software
explaining the SCM
concepts and
techniques; In fact,
it gives readers
enough information
about SCM, the
mechanics of SCM,
and SCM
implementation, so
that they can
successfully
implement a SCM

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Oriented Software
system.

Guided By Tests
The Complete
Addison Wesley
Signature Series
Beck
The Complete
Guide to Writing
More Maintainable,
Manageable,
Pleasing, and
Powerful Ruby
Applications
Ruby's widely
admired ease of
use has a
downside: Too

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Oriented Software
many Ruby and
Guided By Tests
Rails applications
Addison Wesley
have been created
Signature Series
without concern for
Beck
their long-term
maintenance or
evolution. The Web
is awash in Ruby
code that is now
virtually impossible
to change or
extend. This text

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Oriented Software
helps you solve
that problem by
using powerful real-
world object-
oriented design
techniques, which
it thoroughly
explains using
simple and
practical Ruby
examples. Sandi
Metz has distilled a

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lifetime of
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conversations and
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presentations
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about object-
Beck
oriented design into
a set of Ruby-
focused practices
for crafting
manageable,
extensible, and
pleasing code. She
shows you how to

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build new
Guided By Tests
applications that
Addison Wesley
can survive
Signature Series
success and repair
Beck
existing
applications that
have become
impossible to
change. Each
technique is
illustrated with
extended

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examples, all
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downloadable from
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the companion
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Web

Beck
site, poodr.info. The
first title to focus
squarely on object-
oriented Ruby
application design,
Practical Object-
Oriented Design in
Ruby will guide you

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Oriented Software
to superior
Guided By Tests
outcomes,
Addison Wesley
whatever your
Signature Series
previous Ruby
Beck

experience. Novice
Ruby programmers
will find specific
rules to live by;
intermediate Ruby
programmers will
find valuable
principles they can

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flexibly interpret
Guided By Tests
and apply; and
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advanced Ruby
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programmers will
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find a common
language they can
use to lead
development and
guide their
colleagues. This
guide will help you
Understand how

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object-oriented
Guided By Tests
programming can
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help you craft Ruby
Signature Series
code that is easier
Beck
to maintain and
upgrade Decide
what belongs in a
single Ruby class
Avoid entangling
objects that should
be kept separate
Define flexible

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interfaces among
objects Reduce
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overhead costs
with duck typing
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Design cost-
effective tests
Solve common

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problems
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poorly designed
Ruby code

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Test-Driven
Development
An updated

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tools to plan,
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build, and
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execute a
structured test
operation In
this update of
his bestselling
book, Rex Black
walks you
through how to
develop

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essential tools
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and apply them
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to your test
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project. He
Book
helps you
master the
basic tools,
apply the
techniques to
manage your
resources, and
give each area
just the right

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amount of
attention so
Guided By Tests
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Book

survive
managing a test
project!

Offering a
thorough review
of the tools
and resources
you will need
to manage both

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large and small
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projects for
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hardware and
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software, this
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you to adapt
the concepts
across a broad
range of
settings.
Simple and
effective, the
tools comply

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with industry
standards and
bring you up to
date with the
best test
management
practices and
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leading
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vendors. Rex
Black draws

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from his own
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numerous
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testing
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experiences--
including the
bad ones, so
you can learn
from his
mistakes-- to
provide you
with insightful
tips in test
project

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management. He
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explores such
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topics as:
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Dates, budgets,
Book and quality-
expectations
versus reality
Fitting the
testing process
into the
overall
development or
maintenance

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*process How to
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choose and when
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to use test
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engineers and
technicians,
contractors and
consultants,
and external
test labs and
vendors Setting
up and using an
effective and
simple bug-*

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database
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Following the
status of each
test case The
companion Web
site contains
fifty tools,
templates, and
case studies
that will help
you put these
ideas into

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action--fast!
Guided By Tests
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Development
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Book
(TDD) is now an
established
technique for
delivering
better software
faster. TDD is
based on a
simple idea:
Write tests for
your code

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before you
write the code
itself.
However, this
"simple" idea
takes skill and
judgment to do
well. Now
there's a
practical guide
to TDD that
takes you
beyond the

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*basic concepts.
Drawing on a
decade of
experience
building real-
world systems,
two TDD
pioneers show
how to let
tests guide
your
development and
“grow” software*

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that is
Guided By Tests
coherent,
Addison Wesley
reliable, and
Signature Series
maintainable.

*Steve Freeman
and Nat Pryce
describe the
processes they
use, the design
principles they
strive to
achieve, and
some of the*

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tools that help
Guided By Tests
them get the
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job done.
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Book
Through an
extended worked
example, you'll
learn how TDD
works at
multiple
levels, using
tests to drive
the features
and the object-

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oriented
Guided By Tests
structure of
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the code, and
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using Mock
Mock
Objects to
discover and
then describe
relationships
between
objects. Along
the way, the
book
systematically

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addresses
challenges that
development
teams encounter
with TDD—from
integrating TDD
into your
processes to
testing your
most difficult
features.
Coverage
includes

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*Implementing
TDD
effectively:
getting
started, and
maintaining
your momentum
throughout the
project
Creating
cleaner, more
expressive,
more*

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Oriented Software
*sustainable
code Using
tests to stay
relentlessly
focused on
sustaining
quality*
Understanding
how TDD, Mock
Objects, and
Object-Oriented
Design come
together in the

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real software
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project Using
Mock Objects to
guide object-
oriented
designs
Succeeding
where TDD is
difficult:
managing
complex test

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data, and
Guided By Tests
testing
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persistence and
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concurrency
As *iOS apps*
become
increasingly
complex and bus
iness-critical,
iOS developers
must ensure
consistently
superior code

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quality. This
Guided By Tests
means adopting
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best practices
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for creating

Back and testing iOS
apps. Test-
Driven

Development

(TDD) is one of
the most
powerful of
these best
practices. Test-

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Oriented Software
*Driven iOS
Development is
the first book
100% focused on
helping you
successfully
implement TDD
and unit
testing in an
iOS
environment.
Long-time
iOS/Mac*

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developer
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Graham Lee
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helps you
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rapidly
integrate TDD
into your
existing
processes using
Apple's Xcode 4
and the OCUit
unit testing
framework. He
guides you

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Objective-C iOS
Book in a test-
driven manner,
from initial
specification
to functional
product. Lee
also introduces
powerful
patterns for

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applying TDD in
iOS Guided By Tests
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powerful
automated
testing
capabilities
that will soon
arrive on the
iOS platform.
Coverage
includes

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Understanding
the purpose,
benefits, and
costs of unit
testing in iOS

environments
Mastering the
principles of
TDD, and
applying them
in areas from
app design to
refactoring

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*Writing usable,
readable, and
repeatable iOS
unit tests*

*Using OCUit to
set up your
Xcode project
for TDD Using
domain analysis
to identify the
classes and
interactions
your app needs,*

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*and designing
it accordingly*
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networking code
in a test-
driven manner
Automating
testing of view
controller code*

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that interacts
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with users
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interfaces, not
Book
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Testing
concurrent code
that typically
runs in the
background
Applying TDD to
existing apps
Preparing for

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*Behavior Driven
Guided By Tests
Development
(BDD) The only
iOS-specific
guide to TDD
and unit
testing, Test-
Driven iOS
Development
covers both
essential
concepts and
practical*

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implementation.
Guided By Tests
This book is
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ideal for any
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JavaScript
Book
developer who
is interested
in producing
well-tested
code. If you
have no prior
experience with
testing,
Node.js, or any

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*other tool, do
not worry, as
they will be
explained from
scratch.*

*ATDD by Example
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Software,
Guided by Tests
Practical
Software
Development*

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Java*
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Software Series
Engineering
*Learning to
Program Well
with Objects
and Contracts
Agile Java™
A J2EE Example*
"Head First

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**Object
Oriented
Analysis and
Design is a
refreshing
look at subject
of OOAD. What
sets this book
apart is its
focus on
learning. The
authors have**

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**made the
content of
OOAD
accessible,
usable for the
practitioner."
Ivar Jacobson,
Ivar Jacobson
Consulting "I
just finished
reading HF
OOA&D and I**

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**loved it! The
thing I liked
most about
this book was
its focus on
why we do
OOA&D-to
write great
software!"**

**Kyle Brown,
Distinguished
Engineer, IBM**

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Beck

**"Hidden
behind the
funny pictures
and crazy
fonts is a
serious,
intelligent,
extremely well-
crafted
presentation
of OO Analysis
and Design. As**

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**I read the
book, I felt
like I was
looking over
the shoulder
of an expert
designer who
was explaining
to me what
issues were
important at
each step, and**

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Oriented Software
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**why." Edward
Sciore, Associa
te Professor,
Computer
Science**

**Department,
Boston College
Tired of
reading Object
Oriented
Analysis and
Design books**

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that only
Guided By Tests
makes sense
Addison Wesley
after you're an
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expert? You've
Beck
heard OOA&D
can help you
write great
software every
time-software
that makes
your boss
happy, your

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**customers
satisfied and
gives you
more time to
do what
makes you
happy. But
how? Head
First Object-
Oriented
Analysis &
Design shows**

Read Free
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**you how to
analyze,
design, and
write serious
object-
oriented
software:
software
that's easy to
reuse,
maintain, and
extend;**

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Oriented Software
**software that
doesn't hurt
your head;
software that
lets you add
new features
without
breaking the
old ones.**
Inside you will
learn how to:
Use OO

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**principles like
encapsulation
and delegation
to build
applications
that are
flexible Apply
the Open-
Closed
Principle
(OCP) and the
Single**

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**Responsibility
Principle (SRP)
to promote
reuse of your
code Leverage
the power of
design
patterns to
solve your
problems
more
efficiently Use**

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UML, use cases, and diagrams to ensure that all stakeholders are communicating clearly to help you deliver the right software that meets everyone's

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needs. By
exploiting how
your brain
works, Head
First Object-
Oriented
Analysis &
Design
compresses
the time it
takes to learn
and retain

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**complex
information.**
Expect to have
fun, expect to
learn, expect
to be writing
great software
consistently
by the time
you're finished
reading this!
*** This will be**

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**the first book
to show how
to implement
a test-driven
development
process in
detail as it
applies to real
world J2EE
applications. *
Combines the
tools and**

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methodologies
Guided By Tests
of test-driven
Addison Wesley
development
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with real
Beck
world use
cases, unlikely
most titles
which cover
one or the
other. * Looks
at the
complete

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process
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including test
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coverage
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Beck
strategies,
test
organization,
incorporating
TDD into new
and existing
projects as
well as how to
automate it

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all. * This book
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is not version
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specific.
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Beck
Tap into the
wisdom of
experts to
learn what
every
programmer
should know,
no matter
what language

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you use. With
Guided By Tests
the 97 short
Addison Wesley
and extremely
Signature Series
useful tips for
Beck
programmers
in this book,
you'll expand
your skills by
adopting new
approaches to
old problems,
learning

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**appropriate
best practices,
and honing
your craft
through sound
advice. With
contributions
from some of
the most
experienced
and respected
practitioners**

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Michael
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Feathers, Pete
Beck
Goodliffe,
Diomidis
Spinellis, Cay
Horstmann,
Verity Stob,
and many
more--this
book contains

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**practical
knowledge
and principles
that you can
apply to all
kinds of
projects. A few
of the 97
things you
should know:
"Code in the
Language of**

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Is Not an -ility"
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Bob) "Beware
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**Presents a
novel metrics-**

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based
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approach for
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design
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problems in
object-
oriented
software.
Introduces an
important
suite of
detection

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**strategies for
the
identification
of different
well-known
design flaws
as well as
some rarely
mentioned
ones.**
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**March 27,
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**Object-
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Metrics in
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Practical Tools
and
Techniques for
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Hardware and
Software**

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Should Know
With
Acceptance
Test-Driven
Development
(ATDD),
business
customers,

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testers, and
developers can
collaborate to
produce
testable
requirements
that help them
build higher
quality
software more
rapidly.
However,

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**ATDD is still
widely
misunderstood
by many
practitioners.**

**ATDD by
Example is the
first practical,
entry-level,
hands-on
guide to
implementing**

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and

successfully

applying it.

ATDD pioneer

Markus

Gärtner walks

readers step

by step

through

deriving the

right systems

from business

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Oriented Software
users, and
Guided By Tests
then
Addison Wesley
implementing
Signature Series
fully
Beck
automated,
functional
tests that
accurately
reflect
business
requirements,
are intelligible

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Oriented Software
to
Guided By Tests
stakeholders,
Addison Wesley
and promote
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more effective
Beck
development.
Through two
end-to-end
case studies,
Gärtner
demonstrates
how ATDD can
be applied

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**using diverse
frameworks
and languages.**
Each case
study is
accompanied
by an
extensive set
of artifacts,
including test
automation
classes, step

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**definitions,
and full
sample imple
mentations.**

**These realistic
examples
illuminate
ATDD's
fundamental
principles,
show how
ATDD fits into**

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**the broader
development
process,
highlight tips
from Gärtner's
extensive
experience,
and identify
crucial pitfalls
to avoid.
Readers will
learn to**

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**Master the
thought
processes
associated
with**

**successful
ATDD impleme
ntation Use
ATDD with
Cucumber to
describe
software in**

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Oriented Software
ways
Guided By Tests
businesspeople
Addison Wesley
can
Signature Series
understand
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Test web
pages using
ATDD tools
Bring ATDD to
Java with the
FitNesse wiki-
based
acceptance

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test
Guided By Tests
framework Use
Addison Wesley
examples more
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effectively in B
Beck
ehavior-Driven
Development
(BDD) Specify
software
collaboratively
through
innovative
workshops

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Oriented Software
**Implement
more user-
friendly and
collaborative
test**

automation

**Test more
cleanly, listen
to test results,
and refactor
tests for
greater value**

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**If you're a
tester, analyst,
developer, or
project**

**manager, this
book offers a
concrete
foundation for
achieving real
benefits with
ATDD now-and
it will help you**

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**reap even
more value as
you gain
experience.**

**You want
increased
customer
satisfaction,
faster
development
cycles, and
less wasted**

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work. Domain-
driven design
(DDD)
combined with
functional
programming
is the
innovative
combo that
will get you
there. In this
pragmatic,

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down-to-earth
guide, you'll
see how
applying the
core principles
of functional
programming
can result in
software
designs that
model real-
world

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requirements
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both elegantly
Addison Wesley
and concisely -
Signature Series
often more so
Beck
than an object-
oriented
approach.
Practical
examples in
the open-
source F#
functional

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language, and
examples from
familiar
business
domains, show
you how to
apply these
techniques to
build software
that is busines
s-focused,
flexible, and

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high quality.
Guided By Tests
Domain-driven
Addison Wesley
design is a wel
Signature Series
l-established
Beck
approach to
designing
software that
ensures that
domain
experts and
developers
work together

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**effectively to
create high-
quality
software. This
book is the
first to
combine DDD
with
techniques
from statically
typed
functional**

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perfect for
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newcomers to
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DDD or
functional
programming -
all the
techniques you
need will be
introduced
and explained.

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**Model a
complex
domain
accurately
using the F#
type system,
creating
compilable
code that is
also readable
documentation
---ensuring**

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Oriented Software
**that the code
and design
never get out
of sync.**

**Encode
business rules
in the design
so that you
have "compile-
time unit
tests," and
eliminate**

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Oriented Software
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**many potential
bugs by
making illegal
states unrepre
sentable.**

**Assemble a
series of small,
testable
functions into
a complete use
case, and
compose these**

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Oriented Software
**individual
scenarios into
a large-scale
design.**

**Discover why
the
combination of
functional
programming
and DDD leads
naturally to se
rvice-oriented**

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**and hexagonal
architectures.**
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**Finally, create
a functional
domain model
that works
with
traditional
databases,
NoSQL, and
event stores,
and safely**

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**expose your
domain via a
website or API.
Solve real
problems by
focusing on
real-world
requirements
for your
software. What
You Need: The
code in this**

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interactively
on Windows,
Mac and
Linux. You will
need a recent
version of F#
(4.0 or
greater), and
the

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appropriate
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combines a
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with the
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theoretical
support
focused on
teaching the
construction
of high-quality

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software. A
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a Catalog of
Patterns
Infinitely

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Everyday
Programming
Great code
doesn't just

function: it
clearly and
consistently
communicates
your
intentions,
allowing other

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**programmers
to understand
your code, rely
on it, and
modify it with
confidence.**

**But great code
doesn't just
happen. It is
the outcome of
hundreds of
small but**

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critical
decisions
programmers
make every
single day.

Now,
legendary
software
innovator Kent
Beck—known
worldwide for
creating

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Extreme
Programming
and pioneering
software
patterns and
test-driven dev
elopment—foc
uses on these
critical
decisions,
unearthing
powerful “impl

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**ementation
patterns” for
writing
programs that
are simpler,
clearer, better
organized, and
more cost
effective. Beck
collects 77
patterns for
handling**

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everyday
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programming
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tasks and
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writing more
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readable code.

**This new
collection of
patterns
addresses
many aspects
of
development,**

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including
class, state,
behavior,
method,
collections,
frameworks,
and more. He
uses diagrams,
stories,
examples, and
essays to
engage the

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**reader as he
illuminates
the patterns.
You'll find
proven
solutions for
handling
everything
from naming
variables to
checking
exceptions.**

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React
Touch of Class
Test-Driven
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Development**

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Java
Tackle
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Complexity**

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**with Domain-
Driven Design
and F#**
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**Find Problems
Early, Fix
Them Quickly,
Code with
Confidence**

*Let Over Lambda
is one of the
most hardcore
computer*

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programming
Guided By Tests
books out
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with the
Book
fundamentals,
it describes
the most
advanced
features of the
most advanced
language:
Common Lisp.
Only the top

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percentile of
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programmers use
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lisp and if you
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can understand
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this book you
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percentile of
lisp
programmers. If
you are looking
for a dry
coding manual
that re-hashes

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*common-sense
techniques in
whatever language
du jour, this
book is not for
you. This book
is about
pushing the
boundaries of
what we know
about
programming.*
While this book

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teaches useful
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skills that can
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help solve your
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programming
Book
problems today
and now, it has
also been
designed to be
entertaining
and inspiring.
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ever wondered
what lisp or

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*even
programming
itself is
really about,
this is the
book you have
been looking
for.*

*It takes a week
to travel the
8,000 miles
overland from
Java to Kotlin.*

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*If you're an
experienced
Java developer
who has tried
the Kotlin*

*language, you
were probably
productive in
about the same
time. You'll
have found that
they do things
differently in*

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Kotlin, though.
Guided By Tests
Nullability is
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important,
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collections are
different, and
classes are
final by
default. Kotlin
is more
functional, but
what does that
mean, and how
should it

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*change the way
that you
program? And
what about all
that Java code
that you still
have to
support? Your
tour guides
Duncan and Nat
first made the
trip in 2015,
and they've*

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since helped
Guided By Tests,
many teams and
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individuals
Signature Series
follow in their
Book
footsteps.

*Travel with
them as they
break the route
down into legs
like Optional
to Nullable,
Beans to
Values, and*

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Open to Sealed
Classes. Each
explains a key
concept and
then shows how
to refactor
production Java
to idiomatic
Kotlin,
gradually and
safely, while
maintaining int
eroperability.

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Book

*The resulting
code is
simpler, more
expressive, and
easier to
change. By the
end of the
journey, you'll
be confident in
refactoring
Java to Kotlin,
writing Kotlin
from scratch,*

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and managing a
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mixed language
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codebase as it
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evolves over
Book
time.

*Foreword by
Kent Beck "The
authors of this
book have led a
revolution in
the craft of
programming by
controlling the*

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environment in
Guided By Tests
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Book
which software
grows." --Ward
Cunningham "At
last, a book
suffused with
code that
exposes the
deep symbiosis
between TDD and
OOD. This one's
a keeper."

--Robert C.

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Martin "If you
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want to be an
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expert in the
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state of the
Book art in TDD, you

need to
understand the
ideas in this
book."--Michael
Feathers Test-
Driven
Development

(TDD) is now an

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*established
technique for
delivering
better software
faster. TDD is
based on a
simple idea:
Write tests for
your code
before you
write the code
itself.*

However, this

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"simple" idea
Guided By Tests
takes skill and
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judgment to do
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well. Now
Book
there's a
practical guide
to TDD that
takes you
beyond the
basic concepts.
Drawing on a
decade of
experience

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*building real-
world systems,
two TDD
pioneers show
how to let
tests guide
your
development and
"grow" software
that is
coherent,
reliable, and
maintainable.*

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Steve Freeman
Guided By Tests
and Nat Pryce
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describe the
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use, the design
principles they
strive to
achieve, and
some of the
tools that help
them get the
job done.

Through an

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*extended worked
example, you'll
learn how TDD
works at
multiple
levels, using
tests to drive
the features
and the object-
oriented
structure of
the code, and
using Mock*

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discover and
then describe
relationships
between*

*objects. Along
the way, the
book
systematically
addresses
challenges that
development
teams encounter*

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into your
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processes to
Book
testing your
most difficult
features.
Coverage
includes *
Implementing
TDD
effectively:
getting*

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started, and
maintaining
your momentum
throughout the
*project **

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cleaner, more
expressive,
more

sustainable
*code * Using*
tests to stay
relentlessly

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Guided By Tests
sustaining
*quality **
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how TDD, Mock
Objects, and
Object-Oriented
Design come
together in the
context of a
real software
development
*project * Using*

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guide object-
oriented
designs **
Succeeding
where TDD is
difficult:
managing
complex test
data, and
testing
persistence and
concurrency

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who is
specializing in
software
engineering.
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principles of*

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design,
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analysis, and
testing. The
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Unified*

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Made Functional
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good Agile projects
deliver better software
sooner, and at a lower
cost. Using simple
sketches and a few
words, the author
invites you to follow
his path of learning
and understanding
from a half century
of software
development and*

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from their very
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development, starting
from our natural
desire to get
something of value.
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described with a
picture and a few
paragraphs. You're

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each topic; to take it
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how each step into the
Book
process leads to the

next. You'll begin to
see why Agile methods
ask for what they do,
and you'll learn why a
shallow

implementation of
Agile can lead to only
limited improvement.

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development done
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your Standard Issue
Brain, a bit of
curiosity, and a desire
to build your own
understanding rather
than have someone
else's detailed ideas
poured into your
head.*

Master Java 5.0 and

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Professional
Software Master Java
5.0, object-oriented
design, and Test-
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(TDD) by learning
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You'll witness the
application built from
scratch and details
each step that is*

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development, as well
as any problems that
were encountered and
the solutions that were
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now an established
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delivering better
software faster. TDD
is based on a simple
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write the code itself.*
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experience building
real-world systems,*

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Khorikov is an
author, blogger,
and Microsoft MVP.
He has mentored
numerous teams
on the ins and outs
of unit testing.

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to testing, when
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you write tests for
code before you
write the code

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around the crucial
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companies alike.*

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*TL;DR Compound
variable names,
validators, private
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annotations, MVC,
dependency injection
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ORM and even
algorithms are our
enemies.*

*Annotation Over the
past 10 years,*

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have become more
fine-grained. From
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million line long
monolithic
applications, we are
now seeing the
benefits of smaller
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holistic view of the things you need to be cognizant of in order to pull this off. It covers just enough understanding of technology, architecture, operations and organization to show you how to move towards finer-grained systems.

In OBJECT THINKING,
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