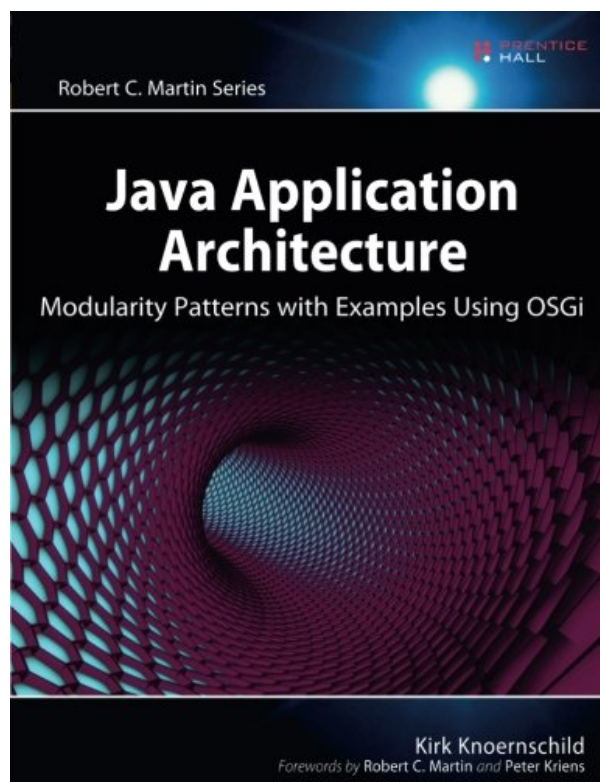
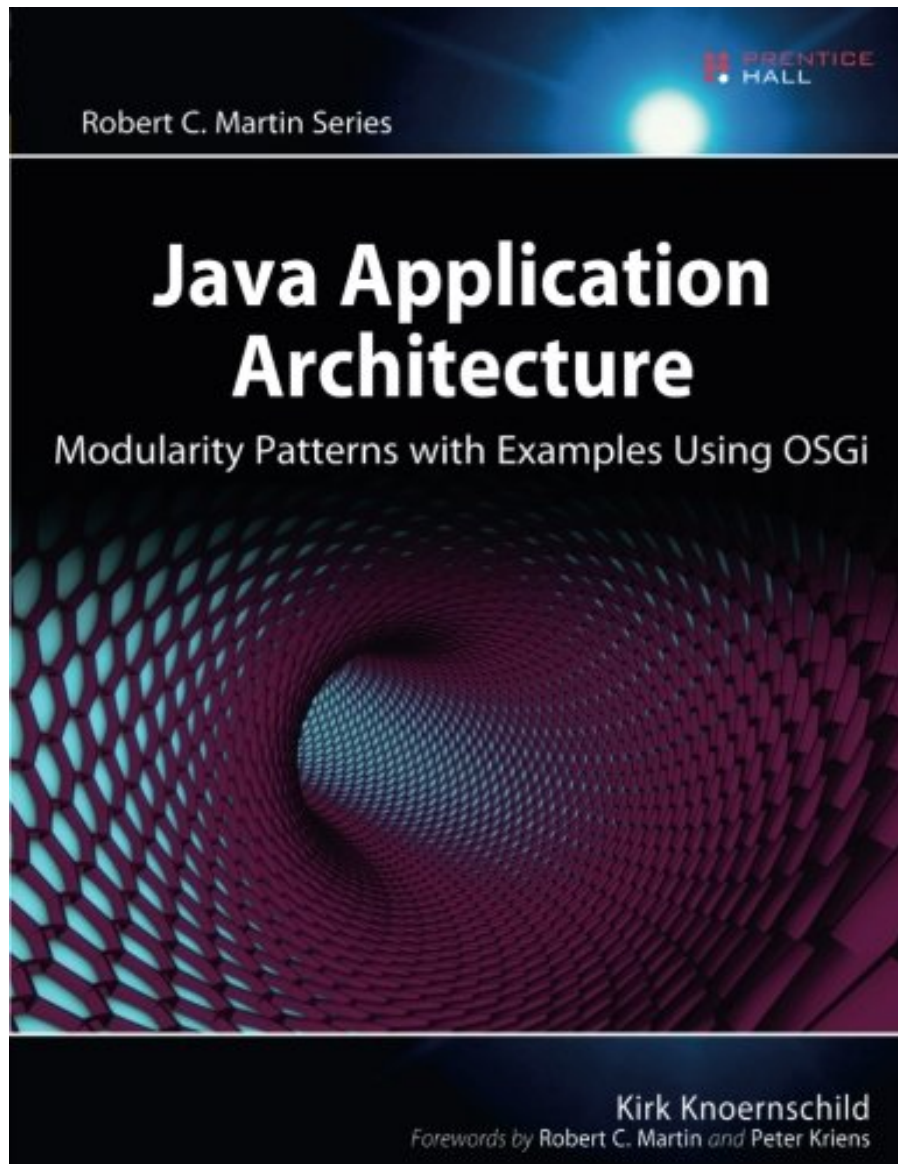


**JAVA APPLICATION ARCHITECTURE:
MODULARITY PATTERNS WITH
EXAMPLES USING OSGI (ROBERT C.
MARTIN SERIES) BY KIRK KNOERNSCHILD**



**DOWNLOAD EBOOK : JAVA APPLICATION ARCHITECTURE: MODULARITY
PATTERNS WITH EXAMPLES USING OSGI (ROBERT C. MARTIN SERIES) BY
KIRK KNOERNSCHILD PDF**





Click link bellow and free register to download ebook:

**JAVA APPLICATION ARCHITECTURE: MODULARITY PATTERNS WITH EXAMPLES
USING OSGI (ROBERT C. MARTIN SERIES) BY KIRK KNOERNSCHILD**

[DOWNLOAD FROM OUR ONLINE LIBRARY](#)

JAVA APPLICATION ARCHITECTURE: MODULARITY PATTERNS WITH EXAMPLES USING OSGI (ROBERT C. MARTIN SERIES) BY KIRK KNOERNSCHILD PDF

Why need to be this publication *Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild* to check out? You will never ever get the expertise as well as experience without managing on your own there or attempting on your own to do it. Hence, reviewing this publication *Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild* is required. You could be fine and also proper adequate to get how essential is reviewing this *Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild* Also you always read by commitment, you could assist on your own to have reading book behavior. It will be so helpful and also fun after that.

Review

“The fundamentals never go out of style, and in this book Kirk returns us to the fundamentals of architecting economically interesting software-intensive systems of quality. You’ll find this work to be well-written, timely, and full of pragmatic ideas.”

–Grady Booch, IBM Fellow

“Along with GOF’s *Design Patterns*, Kirk Knoernschild’s *Java Application Architecture* is a must-own for every enterprise developer and architect and on the required reading list for all Paremus engineers.”

–Richard Nicholson, Paremus CEO, President of the OSGi Alliance

“In writing this book, Kirk has done the software community a great service: He’s captured much of the received wisdom about modularity in a form that can be understood by newcomers, taught in computer science courses, and referred to by experienced programmers. I hope this book finds the wide audience it deserves.”

–Glyn Normington, Eclipse Virgo Project Lead

“Our industry needs to start thinking in terms of modules—it needs this book!”

–Chris Chedgy, Founder and CEO, Structure 101

“In this book, Kirk Knoernschild provides us with the design patterns we need to make modular software development work in the real world. While it’s true that modularity can help us manage complexity and create more maintainable software, there’s no free lunch. If you want to achieve the benefits modularity has to offer, buy this book.”

–Patrick Paulin, Consultant and Trainer, Modular Mind

“Kirk has expertly documented the best practices for using OSGi and Eclipse runtime technology. A book

any senior Java developer needs to read to better understand how to create great software.”

–Mike Milinkovich, Executive Director, Eclipse Foundation

About the Author

Kirk Knoernschild is a software developer who is passionate about helping software development teams build better software. He is the author of *Java Design: Objects, UML, and Process* (Addison-Wesley, 2002), and he contributed to *No Fluff Just Stuff 2006 Anthology* (Pragmatic Bookshelf, 2006). Kirk is an open source contributor, has written numerous articles, and is a frequent conference speaker. You can visit his website at techdistrict.kirkk.com.

JAVA APPLICATION ARCHITECTURE: MODULARITY PATTERNS WITH EXAMPLES USING OSGI (ROBERT C. MARTIN SERIES) BY KIRK KNOERNSCHILD PDF

[Download: JAVA APPLICATION ARCHITECTURE: MODULARITY PATTERNS WITH EXAMPLES USING OSGI \(ROBERT C. MARTIN SERIES\) BY KIRK KNOERNSCHILD PDF](#)

Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild. Adjustment your routine to put up or lose the moment to just chat with your good friends. It is done by your everyday, don't you feel tired? Currently, we will show you the extra habit that, in fact it's a very old behavior to do that could make your life more qualified. When feeling tired of always talking with your pals all free time, you can locate guide qualify Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild and after that read it.

It is not secret when attaching the composing skills to reading. Reviewing *Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild* will certainly make you obtain more resources and also sources. It is a way that could improve exactly how you neglect and also understand the life. By reading this Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild, you can greater than what you get from other publication Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild This is a popular publication that is published from renowned publisher. Seen type the author, it can be relied on that this book Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild will give many motivations, about the life and also experience and everything within.

You might not need to be doubt about this Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild It is uncomplicated way to get this publication Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild You can merely see the set with the link that we offer. Below, you can buy guide Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild by on the internet. By downloading Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild, you could find the soft file of this book. This is the exact time for you to begin reading. Also this is not printed publication Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild; it will precisely give more perks. Why? You may not bring the published book [Java Application Architecture: Modularity Patterns With Examples Using OSGi \(Robert C. Martin Series\) By Kirk Knoernschild](#) or only pile guide in your residence or the workplace.

JAVA APPLICATION ARCHITECTURE: MODULARITY PATTERNS WITH EXAMPLES USING OSGI (ROBERT C. MARTIN SERIES) BY KIRK KNOERNSCHILD PDF

“I’m dancing! By god I’m dancing on the walls. I’m dancing on the ceiling. I’m ecstatic. I’m overjoyed. I’m really, really pleased.”

–From the Foreword by Robert C. Martin (a.k.a. Uncle Bob)

This isn’t the first book on Java application architecture. No doubt it won’t be the last. But rest assured, this title is different. The way we develop Java applications is about to change, and this title explores the new way of Java application architecture.

Over the past several years, module frameworks have been gaining traction on the Java platform, and upcoming versions of Java will include a module system that allows you to leverage the power of modularity to build more resilient and flexible software systems. Modularity isn’t a new concept. But modularity will change the way we develop Java applications, and you’ll only be able to realize the benefits if you understand how to design more modular software systems.

Java Application Architecture will help you

- Design modular software that is extensible, reusable, maintainable, and adaptable
- Design modular software today, in anticipation of future platform support for modularity
- Break large software systems into a flexible composite of collaborating modules
- Understand where to place your architectural focus
- Migrate large-scale monolithic applications to applications with a modular architecture
- Articulate the advantages of modular software to your team

Java Application Architecture lays the foundation you’ll need to incorporate modular design thinking into your development initiatives. Before it walks you through eighteen patterns that will help you architect modular software, it lays a solid foundation that shows you why modularity is a critical weapon in your arsenal of design tools. Throughout, you’ll find examples that illustrate the concepts. By designing modular applications today, you are positioning yourself for the platform and architecture of tomorrow. That’s why Uncle Bob is dancing.

- Sales Rank: #316287 in Books
- Brand: Brand: Addison-Wesley Professional
- Published on: 2012-03-25
- Released on: 2012-03-15
- Original language: English
- Number of items: 1
- Dimensions: 9.10" h x .80" w x 7.00" l, 1.32 pounds

- Binding: Paperback
- 384 pages

Features

- Used Book in Good Condition

Review

“The fundamentals never go out of style, and in this book Kirk returns us to the fundamentals of architecting economically interesting software-intensive systems of quality. You’ll find this work to be well-written, timely, and full of pragmatic ideas.”

–Grady Booch, IBM Fellow

“Along with GOF’s Design Patterns, Kirk Knoernschild’s Java Application Architecture is a must-own for every enterprise developer and architect and on the required reading list for all Paremus engineers.”

–Richard Nicholson, Paremus CEO, President of the OSGi Alliance

“In writing this book, Kirk has done the software community a great service: He’s captured much of the received wisdom about modularity in a form that can be understood by newcomers, taught in computer science courses, and referred to by experienced programmers. I hope this book finds the wide audience it deserves.”

–Glyn Normington, Eclipse Virgo Project Lead

“Our industry needs to start thinking in terms of modules—it needs this book!”

–Chris Chedgy, Founder and CEO, Structure 101

“In this book, Kirk Knoernschild provides us with the design patterns we need to make modular software development work in the real world. While it’s true that modularity can help us manage complexity and create more maintainable software, there’s no free lunch. If you want to achieve the benefits modularity has to offer, buy this book.”

–Patrick Paulin, Consultant and Trainer, Modular Mind

“Kirk has expertly documented the best practices for using OSGi and Eclipse runtime technology. A book any senior Java developer needs to read to better understand how to create great software.”

–Mike Milinkovich, Executive Director, Eclipse Foundation

About the Author

Kirk Knoernschild is a software developer who is passionate about helping software development teams build better software. He is the author of Java Design: Objects, UML, and Process (Addison-Wesley, 2002), and he contributed to No Fluff Just Stuff 2006 Anthology (Pragmatic Bookshelf, 2006). Kirk is an open source contributor, has written numerous articles, and is a frequent conference speaker. You can visit his website at techdistrict.kirkk.com.

Most helpful customer reviews

25 of 26 people found the following review helpful.

Good modularization advice; not a general software architecture book

By George F

Review: 3.5 stars

This is a readable introduction to the principles of code modularity written from the perspective of a practitioner, not an academic. I can recommend it for programmers early in their careers since we all wrote code with poor dependency management when we were young, and this book guides programmers down a better path.

Beware: The book's title should be "Modularizing Java Programs" since it covers only that aspect of program design. The author appears unaware of the published field of software architecture, which would have helped him situate his good advice. This is NOT a book on software architecture, generally.

Pro:

- * Chapter 7 showing the progressive packaging of the example system by applying the patterns. This provides an excellent context to understand the value of each pattern since each refactoring is preceded by a business goal like "We'd like to use this part of the code elsewhere, but not that part".

- * Pattern catalog is a good introduction for new programmers to the basics of code and modularization, which include the classics and several new principles (patterns) that are good guidance.

- * Emphasizes the distinction between your classes / relationships and the way those are packaged. The book refers to these as the logical and physical (from John Lakos) - though I personally greatly dislike those terms since there is nothing physical about a Java JAR file.

- * Effective use of code and diagrams. Not all diagrams; not all code - just right. Mostly uses UML notation (e.g., generalization, implements, associations, components) but sometimes not (e.g., classes are rounded rectangles with shadow effect).

- * Grounds the advice in today's terms. Reading Parnas' 1972 paper on KWIC is harder than reading this book because Java, JAR files, OSGi, etc. are all familiar technologies to us.

Con:

- * Book title. If you bought a book on "Sewing", you'd expect it to include more than how to make shirts. The book's content covers how to understand your code's modular structure and provides patterns that describe good modular structure. An architecture book, for example, would additionally cover standard runtime patterns like Client-Server, Peer-to-Peer, and Cooperating Processes, which are not discussed in this book. The book uses the term "layers" differently than the gold standard Documenting Software Architectures book - rather significant for a book on code modularity.

- * Needs catch-up since 1992. In the early 90's academics pushed ahead in understanding software architecture. Before that, it was Parnas (as quoted by the book) and DeRemer & Kron, who described code modules and relationships. Perry & Wolf (1992) and Garlan & Shaw (1994) clearly described how architecture could not be understood only from modules and we must look at other views. This book makes no reference to this major shift in the field.

- * Silent on runtime and allocation views. Today, the vast majority of authors in the field of software architecture endorse the following approach to architecture: A software system can be seen from several perspectives, called views. The three most common views are the code (module view), the system at runtime (sometimes called Component-and-Connector view), and how the software is assigned to hardware (allocation view). This book is 98% about the code view and provides good advice on packaging code. It

touches on the allocation view in its discussion of OSGi and hot deployment. Worryingly, it has several diagrams (6.3 to 6.6) that are probably best interpreted as runtime diagrams but portrayed as code diagrams.

* Assumes/implies that SOA is the goal. SOA is just one possible (runtime) architecture. It's a good match for many systems but the book implies (at least that's my inference) it should always be your goal.

* Conflates OSGi modularity with frameworks. Chapter 17 contains a number of examples of successful frameworks (Eclipse, Hudson, ...) that can be extended with modules not written by the framework authors and seems to imply that this future is yours (a successful "ecosystem") if you modularize your code. It is important to distinguish libraries from frameworks, however. In a library, like a math library, your code calls the library in a master-servant relationship. In a framework, your code is called by the framework when the framework decides it is ready, sometimes called the Hollywood Principle (Don't call us, we'll call you). Just packaging your code into clean modules, even OSGi modules, does not yield a framework. Frameworks work because they were designed from the start with "extension points" (Eclipse's term).

Overall: A good book for non-expert developers and its pattern library goes beyond what had already been published (e.g., cohesion, coupling, cyclic dependencies). It will be better in its 2nd edition when it's embraced some of the essential concepts from the software architecture community.

8 of 9 people found the following review helpful.

The most Important Software Architecture Practices

By T Anderson

Finally someone has put the most important software architecture practices into words. Within this book lies the concepts that are the heart of true agility. Without a modularized architecture, any decent size project can not achieve agility. I have seen so many agile projects flop because they ignored architecture, in particular they ignored modularization.

This book also provides the keys concepts needed to ensure modifiability, the number one quality attribute for any architecture. It drives home the importance of physical design. An often overlooked aspect of designing modularity, yet it is the most important. Good logical design does not really matter if you have a poor physical design.

The book is broken down into 3 parts and includes an appendix that gives an overview of the SOLID Principles.

Part 1 The Case for Modularity introduces modularity and how it relates to complexity, architecture, SOA, Reuse, Design Rot, and Technical Debt. Part 1 chapters include Module Defined, Two Facets of Modularity, Architecture and Modularity, Taming the Beast, Realizing Reuse, Modularity and SOA, and Reference Implementation. The last chapter Reference Implementation shows how to apply several of the patterns through a series of refactorings applied to a sample architecture.

The sample did not include OSGi. The reason the author left OSGi out of the picture is that you do not need it to design proper modularized architecture. It is a tool to enhance the runtime experience, not the design experience. I was glad the author took this approach.

Part 2 of the book is the pattern's catalog. I have listed the chapter and the patterns included below.

-Base Patterns: Manage Relationships, Module Reuse, and Cohesive Modules

-Dependency Patterns: Acyclic Relationships, Levelize Modules. Physical Layers, Container Independence , and Independent Deployment

- Usability Patterns: Published Interface, External Configuration, Default Implementation, and Module Facade
- Extensibility Patterns: Abstract Modules, Implementation Factory, and Separate Abstractions
- Utility Patterns: Collocate Exceptions, Levelize Build, and Test Module

The pattern form (sections of the patterns) are Pattern Name, Pattern Statement, a Sketch, Description, Implementation Variations, Consequences, a Sample, and a Wrapping Up section.

Part 3 of the book provides a introduction to OSGi within several contexts. Part 3 chapters include Introducing OSGi, The Loan Sample and OSGi, OSGi and Scala, OSGi and Groovy, and the Future of OSGi.

The author has put up a site that includes a pattern catalog on his site Java Application Architecture: Modularity Patterns.

The author has all the source code available on github. It is organized by sample/pattern name. The code is very well organized and usable.

This book is not only for Java developers. It is a great book for anyone developing object oriented systems. It easily translates to .NET. I was constantly drawing parallels with my experience using PRISM to develop modular .NET applications.

This is a must read for every architect and developer interested in doing architecture right. The concepts in this book will take you to a new level of quality with your architectural designs.

4 of 5 people found the following review helpful.

Should be superfluous

By Per Holst

Kirk Knoernschild's book ought to be made superfluous, but as it stands it is direly needed.

At least the first two parts: "The Case for Modularity" and "The Patterns" should be known by heart by any Java developer. It should be second nature for disciplined and professional developers.

I highly recommend the book for anyone interested in modularity, especially developers looking at an existing code base resembling a big ball of mud who wants to disentangle it.

See all 20 customer reviews...

JAVA APPLICATION ARCHITECTURE: MODULARITY PATTERNS WITH EXAMPLES USING OSGI (ROBERT C. MARTIN SERIES) BY KIRK KNOERNSCHILD PDF

You can carefully add the soft file **Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild** to the gadget or every computer hardware in your office or house. It will help you to still proceed reviewing Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild every time you have extra time. This is why, reading this Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild doesn't offer you problems. It will certainly provide you crucial resources for you that intend to begin writing, writing about the similar publication Java Application Architecture: Modularity Patterns With Examples Using OSGi (Robert C. Martin Series) By Kirk Knoernschild are various book area.

Review

“The fundamentals never go out of style, and in this book Kirk returns us to the fundamentals of architecting economically interesting software-intensive systems of quality. You’ll find this work to be well-written, timely, and full of pragmatic ideas.”

–Grady Booch, IBM Fellow

“Along with GOF’s Design Patterns, Kirk Knoernschild’s Java Application Architecture is a must-own for every enterprise developer and architect and on the required reading list for all Paremus engineers.”

–Richard Nicholson, Paremus CEO, President of the OSGi Alliance

“In writing this book, Kirk has done the software community a great service: He’s captured much of the received wisdom about modularity in a form that can be understood by newcomers, taught in computer science courses, and referred to by experienced programmers. I hope this book finds the wide audience it deserves.”

–Glyn Normington, Eclipse Virgo Project Lead

“Our industry needs to start thinking in terms of modules—it needs this book!”

–Chris Chedgey, Founder and CEO, Structure 101

“In this book, Kirk Knoernschild provides us with the design patterns we need to make modular software development work in the real world. While it’s true that modularity can help us manage complexity and create more maintainable software, there’s no free lunch. If you want to achieve the benefits modularity has to offer, buy this book.”

–Patrick Paulin, Consultant and Trainer, Modular Mind

“Kirk has expertly documented the best practices for using OSGi and Eclipse runtime technology. A book any senior Java developer needs to read to better understand how to create great software.”

–Mike Milinkovich, Executive Director, Eclipse Foundation

About the Author

Kirk Knoernschild is a software developer who is passionate about helping software development teams build better software. He is the author of *Java Design: Objects, UML, and Process* (Addison-Wesley, 2002), and he contributed to *No Fluff Just Stuff 2006 Anthology* (Pragmatic Bookshelf, 2006). Kirk is an open source contributor, has written numerous articles, and is a frequent conference speaker. You can visit his website at techdistrict.kirkk.com.

Why need to be this publication *Java Application Architecture: Modularity Patterns With Examples Using OSGi* (Robert C. Martin Series) By Kirk Knoernschild to check out? You will never ever get the expertise as well as experience without managing on your own there or attempting on your own to do it. Hence, reviewing this publication *Java Application Architecture: Modularity Patterns With Examples Using OSGi* (Robert C. Martin Series) By Kirk Knoernschild is required. You could be fine and also proper adequate to get how essential is reviewing this *Java Application Architecture: Modularity Patterns With Examples Using OSGi* (Robert C. Martin Series) By Kirk Knoernschild Also you always read by commitment, you could assist on your own to have reading book behavior. It will be so helpful and also fun after that.