Test-Driven Development

By Example

Kent Beck

A Kent Beck Signature Book

Test Driven Development By Example

Stephen Nelson-Smith

Test Driven Development By Example:

Test-driven Development Kent Beck,2003 About software development through constant testing   **ATDD by Example** Markus Gärtner,2012-06-26 With Acceptance Test Driven Development ATDD business customers testers and developers can collaborate to produce testable requirements that help them build higher quality software more rapidly However ATDD is still widely misunderstood by many practitioners ATDD by Example is the first practical entry level hands on guide to implementing and successfully applying it ATDD pioneer Markus G rtner walks readers step by step through deriving the right systems from business users and then implementing fully automated functional tests that accurately reflect business requirements are intelligible to stakeholders and promote more effective development Through two end to end case studies G rtner demonstrates how ATDD can be applied using diverse frameworks and languages Each case study is accompanied by an extensive set of artifacts including test automation classes step definitions and full sample implementations These realistic examples illuminate ATDD s fundamental principles show how ATDD fits into the broader development process highlight tips from G rtner s extensive experience and identify crucial pitfalls to avoid Readers will learn to Master the thought processes associated with successful ATDD implementation Use ATDD with Cucumber to describe software in ways businesspeople can understand Test web pages using ATDD tools Bring ATDD to Java with the FitNesse wiki based acceptance test framework Use examples more effectively in Behavior Driven Development BDD Specify software collaboratively through innovative workshops Implement more user friendly and collaborative test automation Test more cleanly listen to test results and refactor tests for greater value 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 reap even more value as you gain experience   Test-Driven Development in Microsoft .NET Alexei Vorontsov,James W. Newkirk,2004-03-17 With the clarity and precision intrinsic to the Test Driven Development TDD process itself experts James Newkirk and Alexei Vorontsov demonstrate how to implement TDD principles and practices to drive lean efficient coding and better design The best way to understand TDD is to see it in action and Newkirk and Vorontsov walk step by step through TDD and refactoring in an n tier NET connected solution And as members of the development team for NUnit a leading unit testing framework for Microsoft NET the authors can offer matchless insights on testing in this environment ultimately making their expertise your own Test first and drive ambiguity out of the development process Document your code with tests rather than paper Use test lists to generate explicit requirements and completion criteria Refactor and improve the design of existing code Alternate programmer tests with customer tests Change how you build UI code a thin layer on top of rigorously tested code Use tests to make small incremental changes and minimize the debugging process Deliver software that s verifiable reliable and robust

Learning Test-Driven Development Saleem Siddiqui,2021-10-12 Your code is a testament to your skills as a developer No matter what language you use code should be clean elegant and uncluttered By using test driven development TDD you ll

write code that s easy to understand retains its elegance and works for months even years to come With this indispensable guide you ll learn how to use TDD with three different languages Go JavaScript and Python Author Saleem Siddiqui shows you how to tackle domain complexity using a unit test driven approach TDD partitions requirements into small implementable features enabling you to solve problems irrespective of the languages and frameworks you use With Learning Test Driven Development at your side you ll learn how to incorporate TDD into your regular coding practice This book helps you Use TDD s divide and conquer approach to tame domain complexity Understand how TDD works across languages testing frameworks and domain concepts Learn how TDD enables continuous integration Support refactoring and redesign with TDD Learn how to write a simple and effective unit test harness in JavaScript Set up a continuous integration environment with the unit tests produced during TDD Write clean uncluttered code using TDD in Go JavaScript and Python

 Modern C++ Programming with Test-Driven Development Jeff Langr,2013-10-10 If you program in C you ve been neglected Test driven development TDD is a modern software development practice that can dramatically reduce the number of defects in systems produce more maintainable code and give you the confidence to change your software to meet changing needs But C programmers have been ignored by those promoting TDD until now In this book Jeff Langr gives you hands on lessons in the challenges and rewards of doing TDD in C Modern C Programming With Test Driven Development the only comprehensive treatment on TDD in C provides you with everything you need to know about TDD and the challenges and benefits of implementing it in your C systems Its many detailed code examples take you step by step from TDD basics to advanced concepts As a veteran C programmer you re already writing high quality code and you work hard to maintain code quality It doesn t have to be that hard In this book you ll learn how to use TDD to improve legacy C systems how to identify and deal with troublesome system dependencies how to do dependency injection which is particularly tricky in C how to use testing tools for C that aid TDD new C 11 features that facilitate TDD As you grow in TDD mastery you ll discover how to keep a massive C system from becoming a design mess over time as well as particular C trouble spots to avoid You ll find out how to prevent your tests from being a maintenance burden and how to think in TDD without giving up your hard won C skills Finally you ll see how to grow and sustain TDD in your team Whether you re a complete unit testing novice or an experienced tester this book will lead you to mastery of test driven development in C What You Need A C compiler running under Windows or Linux preferably one that supports C 11 Examples presented in the book were built under gcc 4 7 2 Google Mock 1 6 downloadable for free it contains Google Test as well or an alternate C unit testing tool Most examples in the book are written for Google Mock but it isn t difficult to translate them to your tool of choice A good programmer s editor or IDE cmake preferably Of course you can use your own preferred make too CMakeLists txt files are provided for each project Examples provided were built using cmake version 2 8 9 Various freely available third party libraries are used as the basis for examples in the book These include cURL JsonCpp Boost filesystem date_time gregorian algorithm assign Several

examples use the boost headers libraries Only one example uses cURL and JsonCpp **Test-Driven Development with Python** Harry Percival,2017-08-02 By taking you through the development of a real web application from beginning to end the second edition of this hands on guide demonstrates the practical advantages of test driven development TDD with Python You ll learn how to write and run tests before building each part of your app and then develop the minimum amount of code required to pass those tests The result Clean code that works In the process you ll learn the basics of Django Selenium Git jQuery and Mock along with current web development techniques If you re ready to take your Python skills to the next level this book updated for Python 3 6 clearly demonstrates how TDD encourages simple designs and inspires confidence Dive into the TDD workflow including the unit test code cycle and refactoring Use unit tests for classes and functions and functional tests for user interactions within the browser Learn when and how to use mock objects and the pros and cons of isolated vs integrated tests Test and automate your deployments with a staging server Apply tests to the third party plugins you integrate into your site Run tests automatically by using a Continuous Integration environment Use TDD to build a REST API with a front end Ajax interface **Mastering Test-Driven Development with React** Ravi Kumar Gupta,Ajay Mudaliyar,Himanshu Bhoraniya,2024-11-30 TAGLINE React and TDD Craft Reliable High Quality Apps from Scratch KEY FEATURES Master Test Driven Development to build reliable bug free React apps Write comprehensive tests to ensure maintainable scalable React code Leverage Jest and React Testing Library for efficient automated testing Build real world React applications by applying TDD principles end to end DESCRIPTION Test Driven Development TDD is an essential practice for creating reliable bug free React applications By focusing on writing tests before code TDD ensures that your application is not only functional but also scalable and maintainable Mastering Test Driven Development with React is your comprehensive guide to learning and mastering Test Driven Development TDD in React applications You ll discover how to write tests before implementing code helping you build reliable maintainable React apps with confidence By integrating TDD into your development process you ll improve code quality catch bugs early and create more stable applications With practical hands on examples you ll explore how to use popular tools like Jest Mocha and React Testing Library You ll dive into testing React components hooks API interactions and managing state with Redux all while learning techniques that you can apply to real world projects Whether you re a beginner or an experienced developer this book will help you enhance your testing practices and build higher quality React applications You ll gain the tools and knowledge needed to seamlessly incorporate automated testing into your workflow ensuring your React projects are robust scalable and easier to maintain WHAT WILL YOU LEARN Write effective unit tests for React components using Jest and React Testing Library RTL ensuring high quality bug free code Apply Test Driven Development TDD principles to create reliable maintainable and scalable React applications Debug and refactor React code efficiently while maintaining full test coverage Test React hooks asynchronous code and state management patterns with confidence Automate testing workflows and integrate automated testing into

continuous development pipelines improving efficiency and code quality Build production ready React applications by implementing robust testing strategies for stability and ease of maintenance in real world projects WHO IS THIS BOOK FOR This book is for React developers who have a basic understanding of JavaScript ES6 and React fundamentals Whether you are new to Test Driven Development or looking to enhance your React testing skills this book will guide you through writing effective tests and building reliable applications TABLE OF CONTENTS Introduction 1 Getting Started with TDD 2 Understanding the Testing Basics 3 The Road Ahead and Preparation 4 Testing with ReactJS 5 Users and Login Module 6 Project Module 7 Task Module 8 Integrating Testing into the Development Process 9 The Opening Note Index **Mastering Test-Driven Development (TDD)** Robert Johnson,2025-01-15 Mastering Test Driven Development TDD Building Reliable and Maintainable Software provides an in depth exploration of TDD a methodology that transforms the way software is developed This book delves into the core principles and practices of TDD offering readers a comprehensive roadmap to enhance code quality and design through a test first approach From setting up a TDD friendly environment to writing robust tests each chapter is meticulously crafted to empower developers with the skills and confidence needed to implement TDD effectively across various programming paradigms In addition to foundational concepts this book addresses advanced techniques equipping readers to tackle complex testing scenarios and integrate TDD within diverse workflows Real world examples and case studies provide practical insights while sections on emerging tools and future trends ensure that readers are prepared for the evolving landscape of software development Whether you are new to TDD or a seasoned practitioner seeking to deepen your understanding this book serves as an essential guide to mastering TDD fostering software development that meets the highest standards of reliability and maintainability **Test Driven Development-simpleNeasyBook by WAGmob** WAGmob,2013-11-27 WAGmob Over One million Paying Customers WAGmob brings you simpleNeasy on the go learning ebook for Test Driven Development The ebook provides Snack sized chapters for easy learning Designed for both students and adults This ebook provides a quick summary of essential concepts in Test Driven Development by following snack sized chapters Introduction Introduction Test First Development TFD Benefits of Test Driven Development Process Example to TDD Approach Introduction to Unit Testing What is Unit Testing Method When is it Performed Who Performs it Benefits of Unit Testing Mock Objects Why Mocking is Important Test Double Types of Test Doubles A Quick Review of Refactoring What is Code Refactoring Overview of Refactoring Why do You Refactor When do You Refactor Steps for Refactoring Two Categories of Benefits to the Activity of Refactoring Refactoring Examples Refactoring Examples Rename Class Method Variables Method Slicing Extraction Architecture Driven Refactoring Modularity Movement of Methods or Class Code to Interface Constructors Chaining Phases of Test Driven Development Steps to be followed in Test Driven Development Test Structure Shortcomings Software of Test Driven Development Software for Test Driven Development CppUTest csUnit DbUnit jMock JUnit NUnit PHPUnit Integration Testing Integration Testing Why is Integration

Testing Required Big Bang Top Down Bottom Up Limitations GUI Testing GUI Testing Text Based GUI Testing Framework Introducing Bailey Testing Framework Graphic based GUI Testing Framework How it Works Pseudo Code NET TDD Iteration I NET TDD Test Driven Development by Example Introduction Development Costs Sample Code The Tools Iteration I Creating the Libraries Going Back to the Requirements First Two Tests RED Get the Tests Failing with the Minimal Amount of Code Using the Test Explorer to View and Run the Tests Make the Test Pass Green Make Some Changes NET TDD Iteration II Iteration II Introduce More Tests Red Make the Test Pass a second time Green Debugging Tests About WAGmob ebooks 1 A companion ebook for on the go bite sized learning 2 Over One million paying customers from 175 countries Why WAGmob ebooks 1 Beautifully simple Amazingly easy Massive selection of ebooks 2 Effective Engaging and Entertaining ebooks 3 An incredible value for money Lifetime of free updates WAGmob Vision simpleNeasy ebooks for a lifetime of on the go learning WAGmob Mission A simpleNeasy WAGmob ebook in every hand Visit us www SimpleNEasyBook Com Please write to us at Team at simpleNeasyBook Com We would love to improve this Book   **Test-Driven Development with PHP 8** Rainier Sarabia,Ben Hansen,2023-01-13 A PHP developer s practical guide to planning writing and deploying maintainable and extensible software solutions with automated tests in a well structured way Key FeaturesLearn to organize and translate business requirements into maintainable softwareMinimize regressions and bugs while releasing new features or bug fixesBuild maintainable applications using SOLID principlesBook Description PHP web developers end up building complex enterprise projects without prior experience in test driven and behavior driven development which results in software that s complex and difficult to maintain This step by step guide helps you manage the complexities of large scale web applications It takes you through the processes of working on a project starting from understanding business requirements and translating them into actual maintainable software to automated deployments You ll learn how to break down business requirements into workable and actionable lists using Jira Using those organized lists of business requirements you ll understand how to implement behavior driven development BDD and test driven development TDD to start writing maintainable PHP code You ll explore how to use the automated tests to help you stop introducing regressions to an application each time you release code by using continuous integration By the end of this book you ll have learned how to start a PHP project break down the requirements build test scenarios and automated tests and write more testable and maintainable PHP code By learning these processes you ll be able to develop more maintainable and reliable enterprise PHP applications What you will learnUnderstand how to start a software projectDiscover how to use Jira as a tool to organize your tasksExplore when and how to write unit integration and functional tests using PHPUnitWrite behavior driven tests using BehatApply SOLID principles to help you write more testable codeGet the most out of your automated tests by using continuous integrationUse continuous delivery to help you prepare your application for deploymentWho this book is for This book is for PHP software developers looking to implement TDD and BDD in their projects An understanding of object oriented programming is

required to get the most out of this book Professional software development experience will also be beneficial to understand real life business cases   Test-Driven Development with Python Harry J.W. Percival,2014-06-11 By taking you through the development of a real web application from beginning to end this hands on guide demonstrates the practical advantages of test driven development TDD with Python You ll learn how to write and run tests before building each part of your app and then develop the minimum amount of code required to pass those tests The result Clean code that works In the process you ll learn the basics of Django Selenium Git jQuery and Mock along with current web development techniques If you re ready to take your Python skills to the next level this book clearly demonstrates how TDD encourages simple designs and inspires confidence Dive into the TDD workflow including the unit test code cycle and refactoring Use unit tests for classes and functions and functional tests for user interactions within the browser Learn when and how to use mock objects and the pros and cons of isolated vs integrated tests Test and automate your deployments with a staging server Apply tests to the third party plugins you integrate into your site Use a Continuous Integration environment to run your tests automatically   Test Driven Development in Ruby Bala Paranj,2017-03-15 Learn the basics of test driven development TDD using Ruby You will carry out problem domain analysis solution domain analysis designing test cases and writing tests first These fundamental concepts will give you a solid TDD foundation to build upon Test Driven Development in Ruby is written by a developer for developers The concepts are first explained then a coding demo illustrates how to apply the theory in practice At the end of each chapter an exercise is given to reinforce the material Complete with working files and code samples you ll be able to work alongside the author a trainer by following the material in this book What You Will Learn Carry out problem domain analysis solution domain analysis designing test cases and writing tests first Use assertions Discover the structure of a test and the TDD cycle Gain an understanding of minimal implementation starter test story test and next test Handle refactoring using Ruby Hide implementation details Test precisely and concretely Make your code robust Who This Book Is For Experienced Ruby programmers or web developers with some prior experience with Ruby   Practical Test-Driven Development using C# 7 John Callaway,Clayton Hunt,2018-02-15 Develop applications for the real world with a thorough software testing approach Key Features Develop a thorough understanding of TDD and how it can help you develop simpler applications with no defects using C and JavaScript Adapt to the mindset of writing tests before code by incorporating business goals code manageability and other factors Make all your software units and modules pass tests by analyzing failed tests and refactoring code as and when required Book Description Test Driven Development TDD is a methodology that helps you to write as little as code as possible to satisfy software requirements and ensures that what you ve written does what it s supposed to do If you re looking for a practical resource on Test Driven Development this is the book for you You ve found a practical end to end guide that will help you implement Test Driven Techniques for your software development projects You will learn from industry standard patterns and practices and shift from a conventional approach to a modern and efficient

software testing approach in C and JavaScript This book starts with the basics of TDD and the components of a simple unit test Then we look at setting up the testing framework so that you can easily run your tests in your development environment You will then see the importance of defining and testing boundaries abstracting away third party code including the NET Framework and working with different types of test double such as spies mocks and fakes Moving on you will learn how to think like a TDD developer when it comes to application development Next you ll focus on writing tests for new changing requirements and covering newly discovered bugs along with how to test JavaScript applications and perform integration testing You ll also learn how to identify code that is inherently un testable and identify some of the major problems with legacy applications that weren t written with testability in mind By the end of the book you ll have all the TDD skills you ll need and you ll be able to re enter the world as a TDD expert What you will learn The core concepts of TDD Testing in action with a real world case study in C and JavaScript using React Writing proper Unit Tests and testable code for your application Using different types of test double such as stubs spies and mocks Growing an application guided by tests Exploring new developments on a green field application Mitigating the problems associated with writing tests for legacy applications Modifying a legacy application to make it testable Who this book is for This book is for software developers with a basic knowledge of Test Driven Development TDD who want a thorough understanding of how TDD can benefit them and the applications they produce The examples in this book are in C and you will need a basic understanding of C to work through these examples **Test-Driven Development** Thomas Hammell,David Gold,Tom Snyder,2007-03-01 This will be 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 methodologies of test driven development with real world use cases unlikely most titles which cover one or the other Looks at the complete process including test coverage strategies test organization incorporating TDD into new and existing projects as well as how to automate it all This book is not version specific <u>Pragmatic Test-Driven Development in C# and .NET</u> Adam Tibi,2022-09-30 Build realistic applications with both relational and document databases and derive your code design using TDD Unit test with xUnit and NSubstitute and learn concepts like DDD SUT Mocks Fakes Test Doubles SOLID and FIRSTHAND Key FeaturesBuild a full TDD based app employing familiar tools and libraries to practice real world scenariosDerive your architecture using TDD with domain driven design and SOLID approachKnow the challenges of rolling out TDD and unit testing into your organization and build a planBook Description Test driven development is a manifesto for incrementally adding features to a product but starting with the unit tests first Today s project templates come with unit tests by default and implementing them has become an expectation It s no surprise that TDD unit tests feature in most job specifications and are important ingredients for most interviews and coding challenges Adopting TDD will enforce good design practices and expedite your journey toward becoming a better coding architect This book goes beyond the theoretical debates and focuses on familiarizing you with TDD in a real world setting by using popular

frameworks such as ASP NET Core and Entity Framework The book starts with the foundational elements before showing you how to use Visual Studio 2022 to build an appointment booking web application To mimic real life you ll be using EF SQL Server and Cosmos and utilize patterns including repository service and builder This book will also familiarize you with domain driven design DDD and other software best practices including SOLID and FIRSTHAND By the end of this TDD book you ll have become confident enough to champion a TDD implementation You ll also be equipped with a business and technical case for rolling out TDD or unit testing to present to your management and colleagues What you will learnWriting unit tests with xUnit and getting to grips with dependency injectionImplementing test doubles and mocking with NSubstituteUsing the TDD style for unit testing in conjunction with DDD and best practicesMixing TDD with the ASP NET API Entity Framework and databasesMoving to the next level by exploring continuous integration with GitHubGetting introduced to advanced mocking scenariosChampioning your team and company for introducing TDD and unit testingWho this book is for This book is for mid to senior level NET developers looking to use the potential of TDD to develop high quality software Basic knowledge of OOP and C programming concepts is assumed but no knowledge of TDD or unit testing is expected The book provides in depth coverage of all the concepts of TDD and unit testing making it an excellent guide for developers who want to build a TDD based application from scratch or planning to introduce unit testing into their organization **Professional Test Driven Development with C#** James Bender,Jeff McWherter,2011-04-15 Hands on guidance to creating great test driven development practice Test driven development TDD practice helps developers recognize a well designed application and encourages writing a test before writing the functionality that needs to be implemented This hands on guide provides invaluable insight for creating successful test driven development processes With source code and examples featured in both C and NET the book walks you through the TDD methodology and shows how it is applied to a real world application You ll witness the application built from scratch and details each step that is involved in the development as well as any problems that were encountered and the solutions that were applied Clarifies the motivation behind test driven development TDD what it is and how it works Reviews the various steps involved in developing an application and the testing that is involved prior to implementing the functionality Discusses unit testing and refactoring Professional Test Driven Development with C shows you how to create great TDD processes right away *Test-Driven iOS Development with Swift 4* Dr. Dominik Hauser,2017-10-30 Use test driven approach to develop highly functional iOS apps with Swift 4 and Xcode 9 About This Book A practical guide to writing effective organized and clean code that works well Learn test driven principles to help you build better designed apps with fewer bugs A comprehensive overview of the techniques available for TDD in Swift Who This Book Is For To get the most out of this book you will need some prior experience with Swift application development You may have already heard about Test Driven Development TDD but you don t need any prior experience of applying it to Swift applications What You Will Learn Implement TDD in Swift application

development Find bugs before you enter code using the TDD approach Use TDD to build models view controllers and views Test network code with asynchronous tests and stubs Write code that is a joy to read and maintain Develop functional tests to ensure the app works as planned In Detail Test driven development TDD is a proven way to find software bugs early Writing tests before you code improves the structure and maintainability of your apps Using TDD in combination with Swift 4 s improved syntax means there is no longer any excuse for writing bad code This book will help you understand the process of TDD and how to apply it to your apps written in Swift Through practical real world examples you ll learn how to implement TDD in context You will begin with an overview of the TDD workflow and then delve into unit testing concepts and code cycles You will also plan and structure your test driven iOS app and write tests to drive the development of view controllers and helper classes Next you ll learn how to write tests for network code and explore how the test driven approach in combination with stubs helps you write network code even before the backend component is finished Finally the book will guide you through the next steps to becoming a testing expert by discussing integration tests Behavior Driven Development BDD open source testing frameworks and UI Tests introduced in Xcode 9 Style and approach Using a step by step approach you will develop an entire iOS app using TDD During the course of the book you will explore different strategies for writing tests for models View Controllers and networking code   **Scala Test-Driven Development** Gaurav Sood,2016-10-27 Build robust Scala applications by implementing the fundamentals of test driven development in your workflow About This Book Get a deep understanding of various testing concepts such as test driven development TDD and BDD Efficient usage of the built in Scala features such as ScalaTest specs2 and Scala check Change your approach towards problem solving by thinking about the boundaries of the problem and its definition rather than focusing on the solution Who This Book Is For This book is for Scala developers who are looking to write better quality and easily maintainable code No previous knowledge of TDD BDD is required What You Will Learn Understand the basics of TDD and its significance Refactoring tests to build APIs in order to increase test coverage How to leverage the inbuilt Scala testing modules like ScalaTest specs2 and Scala Check Writing test fixtures and apply the concepts of BDD How to divide tests to run at different points in continuous delivery cycle Benefits of refactoring and how it affects the final quality of code produced Understanding of SBT based build environment and how to use it to run tests The fundamentals of mocking and stubbing in Scala and how to use it efficiently In Detail Test driven development TDD produces high quality applications in less time than is possible with traditional methods Due to the systematic nature of TDD the application is tested in individual units as well as cumulatively right from the design stage to ensure optimum performance and reduced debugging costs This step by step guide shows you how to use the principles of TDD and built in Scala testing modules to write clean and fully tested Scala code and give your workflow the change it needs to let you create better applications than ever before After an introduction to TDD you will learn the basics of ScalaTest one of the most flexible and most popular testing tools around for Scala by building your first fully test driven application

Building on from that you will learn about the ScalaTest API and how to refactor code to produce high quality applications We ll teach you the concepts of BDD Behavior driven development and you ll see how to add functional tests to the existing suite of tests You ll be introduced to the concepts of Mocks and Stubs and will learn to increase test coverage using properties With a concluding chapter on miscellaneous tools this book will enable you to write better quality code that is easily maintainable and watch your apps change for the better Style and approach This step by step guide explains the significance of TDD in Scala through various practical examples You will learn to write a complete test driven application throughout the course of the book   Test-Driven Infrastructure with Chef Stephen Nelson-Smith,2013-10-11 Since Test Driven Infrastructure with Chef first appeared in mid 2011 infrastructure testing has begun to flourish in the web ops world In this revised and expanded edition author Stephen Nelson Smith brings you up to date on this rapidly evolving discipline including the philosophy driving it and a growing array of tools You ll get a hands on introduction to the Chef framework and a recommended toolchain and workflow for developing your own test driven production infrastructure Several exercises and examples throughout the book help you gain experience with Chef and the entire infrastructure testing ecosystem Learn how this test first approach provides increased security code quality and peace of mind Explore the underpinning philosophy that infrastructure can and should be treated as code Become familiar with the MASCOT approach to test driven infrastructure Understand the basics of test driven and behavior driven development for managing change Dive into Chef fundamentals by building an infrastructure with real examples Discover how Chef works with tools such as Virtualbox and Vagrant Get a deeper understanding of Chef by learning Ruby language basics Learn the tools and workflow necessary to conduct unit integration and acceptance tests   Test-Driven Python Development Siddharta Govindaraj,2015-04-29 This book is intended for Python developers who want to use the principles of test driven development TDD to create efficient and robust applications In order to get the best out of this book you should have development experience with Python

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