Finalbuilder

IM Harris

The Buildmeister's Guide Kevin A. Lee,2006-10-01 How to design and implement the right software build and release process for your environment. The Buildmeister's Guide researches and documents the build process in detail. It's aim is to increase awareness of the build process and to raise the level and quality of discussion that occurs around it. The book looks at how the build process affects and is affected by different software development languages and methods, and what intrinsic value a well defined build process can bring to an organization. It defines the set of skills and capabilities that implementers of the build process should posses, and also a framework for a generic best practice build process with tips and guidelines on how to implement it. Whether you are a software developer, manager or integrator, this book will help you understand the importance of the build process to your organization and what role you will need to play in it.

Coder to Developer Mike Gunderloy,2006-02-20 Two thumbs up —Gregory V. Wilson, Dr. Dobbs Journal (October 2004) No one can disparage the ability to write good code. At itshighest levels, it is an art. But no one can confuse writing good code with developing goodsoftware. The difference—in terms of challenges, skills, andcompensation—is immense. Coder to Developer helps you excel at the manynon-coding tasks entailed, from start to finish, in just about anysuccessful development project. What's more, it equips you with themindset and self-assurance required to pull it all together, sothat you see every piece of your work as part of a coherentprocess. Inside, you'll find plenty of technical guidance on suchtopics as: Choosing and using a source code control system Code generation tools--when and why Preventing bugs with unit testing Tracking, fixing, and learning from bugs Application activity logging Streamlining and systematizing the build process Traditional installations and alternative approaches To pull all of this together, the author has provided the sourcecode for Download Tracker, a tool for organizing your collection ofdownloaded code, that's used for examples throughout this book. Thecode is provided in various states of completion, reflecting everystage of development, so that you can dig deep into the actualprocess of building software. But you'll also develop softerskills, in areas such as team management, open sourcecollaboration, user and developer documentation, and intellectualproperty protection. If you want to become someone who can delivernot just good code but also a good product, this book is the placeto start. If you must build successful software projects, it'sessential reading.

The Art of Unit Testing Roy Osherove,2013-11-24 Summary The Art of Unit Testing, Second Edition guides you step by step from writing your first simple tests to developing robust test sets that are maintainable, readable, and trustworthy. You'll master the foundational ideas and quickly move to high-value subjects like mocks, stubs, and isolation, including frameworks such as Moq, FakeItEasy, and Typemock Isolator. You'll explore test patterns and organization, working with legacy code, and even untestable code. Along the way, you'll learn about integration testing and techniques and tools for testing databases and other technologies. About this Book You know you should be unit testing, so why aren't you doing it? If you're new to unit testing, if you find unit testing tedious, or if you're just not getting enough payoff for the effort you put into it, keep reading. The Art of Unit Testing, Second Edition guides you step by step from writing your first simple unit tests to building complete test sets that are maintainable, readable, and trustworthy. You'll move quickly to more complicated subjects like mocks and stubs, while learning to use isolation (mocking) frameworks like Moq, FakeItEasy, and Typemock Isolator. You'll explore test patterns and organization, refactor code applications, and learn how to test untestable code. Along the way, you'll learn about integration testing and techniques for testing with databases. The examples in the book use C#, but will benefit anyone using a statically typed language such as Java or C++. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Create readable, maintainable, trustworthy tests Fakes, stubs, mock objects, and isolation (mocking) frameworks Simple dependency injection techniques Refactoring legacy code About the Author Roy Osherove has been coding for over 15 years, and he consults and trains teams worldwide on the gentle art of unit testing and test-driven development. His blog is at ArtOfUnitTesting.com. Table of Contents PART 1 GETTING STARTED The basics of unit testing A first unit test PART 2 CORE TECHNIQUES Using stubs to break dependencies Interaction testing using mock objects Isolation (mocking) frameworks Digging deeper into isolation frameworks PART 3 THE TEST CODE Test hierarchies and organization The pillars of good unit tests PART 4 DESIGN AND PROCESS Integrating unit testing into the organization Working with legacy code Design and testability

Continuous Integration 66 Success Secrets - 66 Most Asked Questions on Continuous Integration - What You Need to Know Carl McDowell,2014-02 There has never been a Continuous Integration Guide like this. It contains 66 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about Continuous Integration. A quick look inside of some of the subjects covered: Continuous deployment, Open source software - Development model, BuildHive, Travis CI, Extreme programming - Continuous process, Python (programming language) - Development, FinalBuilder - FinalBuilder Server, Beta testing - Agile or Extreme development model, Bamboo (software), Continuous integration - Every commit (to baseline) should be built, Buildbot, PolarSSL - Automated Testing, Multi-stage continuous integration - Advantages, Test automation - What to test, Apache Continuum, List of build automation software - Continuous integration tools, Multi-stage continuous integration - Tools, Apache Gump, CruiseControl, Continuous delivery, CruiseControl.rb, Comparison of continuous integration software, Agile software development Characteristics, Build automation - New breed of tools, Multi-stage continuous integration - Recommended Practice #2, Thoughtworks - Proprietary software, John Resig - Software projects, Build light indicator - Beyond single indicators, IBM Rational Unified Process - Six Best Practices, Software testing - Automated testing, Tinderbox (software), Software quality management - Links to IT methods, Python (programming language) - Development, Continuous integration - Software, Continuous integration - Everyone commits to the baseline every day, FinalBuilder - History, and much more...

MSDN Magazine ,2007

Dr. Dobb's Journal ,2007

Open Source .Net Development Brian Nantz,2005 The first book on doing .NET development in an open source environment, with appeal to both .NET and open source programmers.

Canada-United States Bilateral Program on Housing and Urban Affairs ,1983

Code Leader Patrick Cauldwell,2008-04-30 This book is for the career developer who wants to take his or her skill set and/or project to the next level. If you are a professional software developer with 3–4 years of experience looking to bring a higher level of discipline to your project, or to learn the skills that will help you transition from software engineer to technical lead, then this book is for you. The topics covered in this book will help you focus on delivering software at a higher quality and lower cost. The book is about practical techniques and practices that will help you and your team realize those goals. This book is for the developer understands that the business of software is, first and foremost, business. Writing code is fun, but writing high-quality code on time and at the lowest possible cost is what makes a software project successful. A team lead or architect who wants to succeed must keep that in mind. Given that target audience, this book assumes a certain level of skill at reading code in one or more languages, and basic familiarity with building and testing software projects. It also assumes that you have at least a basic understanding of the software development lifecycle, and how requirements from customers become testable software projects. Who This Book Is Not For: This is not a book for the entry-level developer fresh out of college, or for those just getting started as professional coders. It isn't a book about writing code; it's a book about how we write code together while keeping quality up and costs down. It is not for those who want to learn to write more efficient or literate code. There are plenty of other books available on those subjects, as mentioned previously. This is also not a book about project management or development methodology. All of the strategies and techniques presented here are just as applicable to waterfall projects as they are to those employing Agile methodologies. While certain strategies such as Test-Driven Development and Continuous Integration have risen to popularity hand in hand with Agile development methodologies, there is no coupling between them. There are plenty of projects run using SCRUM that do not use TDD, and there are just as many waterfall projects that do. Philosophy versus Practicality: There are a lot of religious arguments in software development. Exceptions versus result codes, strongly typed versus dynamic languages, and where to put your curly braces are just a few examples. This book tried to steer clear of those arguments here. Most of the chapters in this book deal with practical steps that you as a developer can take to improve your skills and improve the state of your project. The author makes no claims that these practices represent the way to write software. They represent strategies that have worked

well for the author and other developers that he have worked closely with. Philosophy certainly has its place in software development. Much of the current thinking in project management has been influenced by the Agile philosophy, for example. The next wave may be influenced by the Lean methodologies developed by Toyota for building automobiles. Because it represents a philosophy, the Lean process model can be applied to building software just as easily as to building cars. On the other hand, because they exist at the philosophical level, such methodologies can be difficult to conceptualize. The book tries to favor the practical over the philosophical, the concrete over the theoretical. This should be the kind of book that you can pick up, read one chapter of, and go away with some practical changes you can make to your software project that will make it better. That said, the first part of this book is entitled "Philosophy" because the strategies described in it represent ways of approaching a problem rather than a specific solution. There are just as many practical ways to do Test-Driven Development as there are ways to manage a software project. You will have to pick the way that fits your chosen programming language, environment, and team structure. The book has tried to describe some tangible ways of realizing TDD, but it remains an abstract ideal rather than a one-size-fits-all technical solution. The same applies to Continuous Integration. There are numerous ways of thinking about and achieving a Continuous Integration solution, and this book presents only a few. Continuous Integration represents a way of thinking about your development process rather than a concrete or specific technique. The second and third parts represent more concrete process and construction techniques that can improve your code and your project. They focus on the pragmatic rather than the philosophical. Every Little Bit Helps: You do not have to sit down and read this book from cover to cover. While there are interrelationships between the chapters, each chapter can also stand on its own. If you know that you have a particular problem such as error handling with your current project, read that chapter and try to implement some of the suggestions in it. Don't feel that you have to overhaul your entire software project at once. The various techniques described in this book can all incrementally improve a project one at a time. If you are starting a brand new project and have an opportunity to define its structure, then by all means read the whole book and see how it influences the way you design your project. If you have to work within an existing project structure, you might have more success applying a few improvements at a time. In terms of personal career growth, the same applies. Every new technique you learn makes you a better developer, so take them one at a time as your schedule and projects allow. Examples: Most of the examples in this book are written in C#. However, the techniques described in this book apply just as well to any other modern programming language with a little translation. Even if you are unfamiliar with the inner workings or details of C# as a language, the examples are very small and simple to understand. Again, this is not a book about how to write code, and the examples in it are all intended to illustrate a specific point, not to become a part of your software project in any literal sense. This book is organized into three sections, Philosophy, Process and Code Construction. The following is a short summary of what you will find in each section and chapter. Part I (Philosophy) contains chapters that focus on abstract ideas about how to approach a software project. Each chapter contains practical examples of how to realize those ideas. Chapter 1 (Buy, not Build) describes how to go about deciding which parts of your software project you need to write yourself and which parts you may be able to purchase or otherwise leverage from someplace else. In order to keep costs down and focus on your real competitive advantage, it is necessary to write only those parts of your application that you really need to. Chapter 2 (Test-Driven Development) examines the Test-Driven Development (or Test-Driven Design) philosophy and some practical ways of applying it to your development lifecycle to produce higher-quality code in less time. Chapter 3 (Continuous Integration) explores the Continuous Integration philosophy and how you can apply it to your project. CI involves automating your build and unit testing processes to give developers a shorter feedback cycle about changes that they make to the project. A shorter feedback cycle makes it easier for developers to work together as a team and at a higher level of productivity. The chapters in Part II (Process) explore processes and tools that you can use as a team to improve the quality of your source code and make it easier to understand and to maintain. Chapter 4 (Done Is Done) contains suggestions for defining what it means for a developer to "finish" a development task. Creating a "done is done" policy for your team can make it easier for developers to work together, and easier for developers and testers to work together. If everyone on your team follows the same set of steps to complete each task, then development will be more predictable and of a higher quality. Chapter 5 (Testing) presents some concrete suggestions for how to create tests, how to run them, and how to organize them to make them easier to run, easier to measure, and more useful to developers and to testers. Included are sections on what code coverage means and how to measure it effectively, how to organize your tests by type, and how to automate your testing processes to get the most benefit from them. Chapter 6 (Source Control) explains techniques for using your source control system more effectively so that it is easier for developers to work together on the same project, and easier to correlate changes in source control with physical software binaries and with defect or issue reports in your tracking system. Chapter 7 (Static Analysis) examines what static analysis is, what information it can provide, and how it can improve the quality and maintainability of your projects. Part III (Code Construction) includes chapters on specific coding techniques that can improve the quality and maintainability of your software projects. Chapter 8 (Contract, Contract, Contract!) tackles programming by contract and how that can make your code easier for developers to understand and to use. Programming by contract can also make your application easier (and therefore less expensive) to maintain and support. Chapter 9 (Limiting Dependencies) focuses on techniques for limiting how dependent each part of your application is upon the others. Limiting dependencies can lead to software that is easier to make changes to and cheaper to maintain as well as easier to deploy and test. Chapter 10 (The Model-View-Presenter Model) offers a brief description of the MVP model and explains how following the MVP model will make your application easier to test. Chapter 11 (Tracing) describes ways to make the most of tracing in your application. Defining and following a solid tracing policy makes your application easier to debug and easier for your support personnel and/or your customers to support. Chapter 12 (Error Handing) presents some techniques for handling errors in your code that if followed consistently make your application easier to debug and to support. Part IV (Putting It All Together) is simply a chapter that describes a day in the life of a developer who is following the guiding principles and using the techniques described in the rest of the book. Chapter 13 (Calculator Project: A Case Study) shows many of this book's principles and techniques in actual use.

Essential Skills for the Agile Developer Alan Shalloway,Scott Bain,Ken Pugh,Amir Kolsky,2011-08-18 Agile has become today's dominant software development paradigm, but agile methods remain difficult to measure and improve. Essential Skills for the Agile Developer fills this gap from the bottom up, teaching proven techniques for assessing and optimizing both individual and team agile practices. Written by four principals of Net Objectives—one of the world's leading agile training and consulting firms—this book reflects their unsurpassed experience helping organizations transition to agile. It focuses on the specific actions and insights that can deliver the greatest design and programming improvements with economical investment. The authors reveal key factors associated with successful agile projects and offer practical ways to measure them. Through actual examples, they address principles, attitudes, habits, technical practices, and design considerations—and above all, show how to bring all these together to deliver higher-value software. Using the authors' techniques, managers and teams can optimize the whole organization and the whole product across its entire lifecycle. Essential Skills for the Agile Developer shows how to Perform programming by intention Separate use from construction Consider testability before writing code Avoid over- and under-design Succeed with Acceptance Test Driven Development (ATDD) Minimize complexity and rework Use encapsulation more effectively and systematically Know when and how to use inheritance Prepare for change more successfully Perform continuous integration more successfully Master powerful best practices for design and refactoring

Driving DevOps with Value Stream Management Cecil 'Gary' Rupp,Helen Beal,2021-08-31 A practical guide to implementing Value Stream Management to guide your strategic investments in DevOps capabilities and deliver customer-centric value quickly and economically Key FeaturesAddress DevOps implementation issues, including culture, toolchain costs, improving work and information flows, and product team alignmentImplement proven VSM methodology to improve IT value stream flowsLeverage VSM platforms to view, analyze, and improve end-to-end value deliveryBook Description Value Stream Management (VSM) opens the door to maximizing your DevOps pipeline investments by improving flows and eliminating waste. VSM and DevOps together deliver value stream improvements across enterprises for a competitive advantage in the digital world. Driving DevOps with Value Stream Management provides a comprehensive review and analysis of industry-proven VSM methods and tools to integrate, streamline, and orchestrate activities within a DevOps-oriented value stream. You'll start with an introduction to the concepts of delivering value and understand how VSM methods and tools support improved value delivery from a Lean production perspective. The book covers the

complexities of implementing modern CI/CD and DevOps pipelines and then guides you through an eight-step VSM methodology with the help of a use case showing an Agile team's efforts to install a CI/CD pipeline. Free from marketing hype or vendor bias, this book presents the current VSM tool vendors and customer use cases that showcase their products' strengths. As you advance through the book, you'll learn four approaches to implementing a DevOps pipeline and get guidance on choosing the best fit. By the end of this VSM book, you'll be ready to develop and execute a plan to streamline your software delivery pipelines and improve your organization's value stream delivery. What you will learnIntegrate Agile, systems thinking, and lean development to deliver customer-centric valueFind out how to choose the most appropriate value stream for your initial and follow-on VSM projectsEstablish better flows with integrated, automated, and orchestrated DevOps and CI/CD pipelinesApply a proven eight-step VSM methodology to drive lean IT value stream improvementsDiscover the key strengths of modern VSM tools and their customer use case scenariosUnderstand how VSM drives DevOps pipeline improvements and value delivery transformations across enterprisesWho this book is for This book will help corporate executives, managers, IT team members, and other stakeholders involved in digital business transformations to improve the flow of customer value through their IT-based value streams. It will provide you with the practical guidance you need while adopting Lean-Agile, Value Stream Management, and DevOps capabilities on an enterprise scale to enable business agility. A basic understanding of how CI/CD and DevOps pipelines improve software delivery capabilities via integrated and automated toolchains will help you to make the most of the book.

The Testing Network Jean-Jacques Pierre Henry,2008-08-17 The Testing Network presents an integrated approach to testing based on cutting-edge methodologies, processes and tools in today's IT context. It means complex network-centric applications to be tested in heterogeneous IT infrastructures and in multiple test environments (also geographically distributed). The added-value of this book is the in-depth explanation of all processes and relevant methodologies and tools to address this complexity. Main aspects of testing are explained using TD/QC - the world-leader test platform. This up-to-date know-how is based on real-life IT experiences gained in large-scale projects of companies operating worldwide. The book is abundantly illustrated to better show all technical aspects of modern testing in a national and international context. The author has a deep expertise by designing and giving testing training in large companies using the above-mentioned tools and processes. The Testing Network is a unique synthesis of core test topics applied in real-life.

Workflows and Sharepoint Gustavo Velez,2009-04 'Workflows and SharePoint: Going with the Flow' was written by a developer for developers; a comprehensive reference to guide users - step-by-step - through the process of creating a workflow. A case study allows the reader to follow the development of a flow, incorporating the myriad of possibilities and tools available to the developer. The book's approach is 'no-nonsense'; based on clearly-defined examples it describes and demonstrates the possibilities and applications of workflows in SharePoint. The programming examples graduate from basics, generating configurations with Sequential and State Machine Workflows, to more complex themes using ASPX and InfoPath Forms. An attempt has been made to identify potential errors and problems and to provide solutions or workarounds, and in situations where that is not possible, to point the reader in the best direction for answers. 'Workflows and SharePoint: Going with the Flow' is divided into five areas for easy reference. The first two parts focus on information for the general reader; introducing the architecture and use of workflows followed by a description of the use of SharePoint Designer to create flows without programming. Part 3 provides information for the creation of Sequential and State Machine Workflows using Visual Studio and flows over into the next section covering the creation and development of Forms (Part 4). Finally, Part 5 reviews Activities, their use in Visual Studio and SharePoint Designer, and goes on to discuss other 'bits and pieces' related to programming workflows for SharePoint. 'Workflows and SharePoint 2007: Going with the Flow' is the kind of reference book that belongs on every developers bookshelf.

ASP.NET MVC 4 in Action Jeffrey Palermo,James Bogard,Eric Hexter,Matthew Hinze,2012-05-24 Summary ASP.NET MVC 4 in Action is a fast-paced tutorial designed to introduce ASP.NET MVC to .NET developers and show how to apply it effectively. All examples in this revised edition are based on ASP.NET MVC 4, so you'll get full coverage of features such as the Razor view engine, Web Matrix helpers, and improved extensibility. You'll see how your ASP.NET applications can benefit from changes in the .NET Framework. About the Technology ASP.NET MVC provides the architecture needed to separate an application's logic and its UI. Because each component's role is well defined, MVC applications are easy to test, maintain, and extend. The latest version, ASP.NET MVC 4, takes advantage of .NET 4 and includes powerful features like the Razor view engine, Web Matrix helpers, and enhanced extensibility. About the Book ASP.NET MVC 4 in Action is a hands-on guide that shows you howto apply ASP.NET MVC effectively. After a high-speed ramp up,this thoroughly revised new edition explores each key topic witha self-contained example so you can jump right to the parts youneed. Based on thousands of hours of real-world experience, theauthors show you valuable high-end techniques you won't findanywhere else. Written for developers, the book arms you withthe next-level skills and practical guidance to create compellingweb applications. You need some knowledge of ASP.NET and C#, but no priorASP.NET MVC experience is assumed. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Complete coverage of ASP.NET MVC 4 The new Web API Full-system testing About the Authors Jeffrey Palermo, Jimmy Bogard, Eric Hexter, Matthew Hinze, andJeremy Skinner are all ASP.NET MVPs, ASP insiders, and early adoptersof ASP.NET MVC. ===================================== Table of Contents PART 1 HIGH-SPEED FUNDAMENTALS Introduction to ASP.NET MVC Hello MVC world View fundamentals Action-packed controllers PART 2 WORKING WITH ASP.NET MVC View models Validation Ajax in ASP.NET MVC Security Controlling URLs with routing Model binders and value providers Mapping with AutoMapper Lightweight controllers Organization with areas Third-party components Data access with NHibernate PART 3 MASTERING ASP.NET MVC Extending the controller Advanced view techniques Dependency injection and extensibility Portable areas Full system testing Hosting ASP.NET MVC applications Deployment techniques Upgrading to ASP.NET MVC 4 ASP.NET Web API

Искусство автономного тестирования с примерами на C# Рой Ошероув,2022-01-29 Во втором издании книги «Искусство автономного тестирования» автор шаг за шагом проведет вас по пути от первого простенького автономного теста до создания полного комплекта тестов – понятных, удобных для сопровождения и заслуживающих доверия. Вы и не заметите, как перейдете к более сложным вопросам – заглушкам и подставкам – и попутно научитесь работать с изолирующими каркасами типа Moq, FakeItEasy или Typemock Isolator. Вы узнаете о паттернах тестирования и организации тестов, о том, как проводить рефакторинг приложений и тестировать «нетестопригодный» код. Не забыл автор и об интеграционном тестировании и тестировании работы с базами данных.Примеры в книге написаны на C#, но будут понятны всем, кто владеет каким-нибудь статически типизированным языком, например Java или C++.

The Art of Unit Testing - Deutsche Ausgabe Roy Osherove,2010 Dies ist ein umfassendes Handbuch zum Arbeiten mit Unit Tests. Es führt Sie Schritt für Schritt von einfachen Unit Tests bis hin zu Tests, mit denen sich der Code umfangreicher Softwareprojekte überprüfen und analysieren lässt. Das Buch ist für .NET-Entwickler geschrieben, aber Entwickler anderer Sprachen können ebenso von den Inhalten profitieren.

Automated Testing 52 Success Secrets - 52 Most Asked Questions on Automated Testing - What You Need to Know Gerald Austin,2014-10-30 Come see what's new with Automated Testing. There has never been a Automated Testing Guide like this. It contains 52 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about Automated Testing. A quick look inside of some of the subjects covered: Software repository - Selected repositories, Pyjamas (software) - Pyjs.org Fork, Test strategy - Testing Tools, DoD IPv6 Product Certification - DoD's IPv6 Generic Test Plan, Continuous deployment, Smart & Final - Technology, Team Foundation Server - On Premises / Team Foundation Server, Adobe Flex - Adobe Flex 2, Parasoft Concerto, Design for Test, FinalBuilder - Built-in actions, Tersus - Features, AutomatedQA - AutomatedQA products, Mixed-signal integrated circuit - Examples, Itko - Products, Software construction - Constructing for verification, PolarSSL - Automated Testing, Beta testing - Automated testing, Lean software development - Build integrity in, Software regression, List of Eclipse-based software, IBM Rational Functional Tester, Microsoft Active Accessibility, AT-SPI - Other uses, XUnit, Continuous integration - Disadvantages, Regression testing - Background, Expect - Pros, Rational Software - Organization, Software build - Build tools, Rogue access point, Test automation framework - Overview, Test automation - Overview, Adobe Flex - Adobe Flash Builder and Flex 4, Keyword-driven testing, Visual Test, Single in-line package - Uses, Microsoft UI Automation - UI Automation for Automated Testing, DNSBL - History of DNSBLs, Web testing -

Windows-based web testing tools, and much more...

Utility-focused Market Model for Zero Energy New Homes ,2011

Rapid Portlet Development with WebSphere Portlet Factory David Bowley,2008-09-11 The Step-by-Step Guide to Building World-Class Portlet Solutions—Fast! Portlet development traditionally has been difficult and time-consuming, requiring costly resources and specialized expertise in multiple technologies. IBM® WebSphere® Portlet Factory simplifies and accelerates portlet development, enabling developers to build world-class portlet solutions without in-depth knowledge of portal technology. Expert developer David Bowley walks you through several of today's most common portlet development scenarios, demonstrating how to create powerful, robust portlets quickly and cost-effectively. Each walkthrough contains all the step-by-step instructions, detailed guidance, fast answers, and working sample code you need to get tangible results immediately. The best resource available on WebSphere Portlet Factory, this bookreflects Bowley's unsurpassed experience constructing large enterprise portals. Bowley covers everything from back-end integration to user interface and AJAX techniques, helping you choose the right builder tool for each task, and define high-level instructions that generate superior code artifacts. His example projects are simple enough to understand easily, but sophisticated enough to be valuable in real-world development. This book will be indispensable to every developer who wants to succeed with WebSphere Portlet Factory, including Java™, J2EE™, and SOA developers at all levels of expertise, as well as Lotus® Notes® developers transitioning to WebSphere Portal. Coverage includes · Creating robust portlets: tips, tricks, shortcuts, and previously undocumented 'gotchas' · Incorporating Web services, Domino® views/forms, and SQL data sources into your portlets · Formatting information for more effective display · Adding UI controls, charts, validation, Java methods, and other capabilities · Displaying context-sensitive content · Using AJAX in your portlets · Communicating between portlets · Implementing error handling, logging, and security

Homology Modeling Sławomir Filipek,2023-03-23 This detailed volume provides state-of-the-art methodologies and reviews of important topics in the field of homology modeling. From homology modeling in the twilight zone and improving accuracy through sequence space analysis to approaches to construct multi-protein complex models, the book explores a wide variety of uses and applications of this valuable technique. Written for the highly successful Methods in Molecular Biology series, the chapters include introductions to their respective topics, lists of the necessary programs, webservers, and databases, step-by-step and readily reproducible protocols, as well as tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, Homology Modeling: Methods and Protocols serves as an ideal guide to recent homology modeling procedures, assumptions made, and model quality assessment that will illuminate the black box of homology modeling for novice readers and broaden the knowledge of this methodology for professionals.

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