

Designing Enterprise Applications With The J2EE₂ Platform (2nd Edition) (Java (Addison Wesley))

Architect and design highly scalable, robust, clean and highly performant applications in .NET Core About This Book Incorporate architectural soft-skills such as DevOps and Agile methodologies to enhance program-level objectives Gain knowledge of architectural approaches on the likes of SOA architecture and microservices to provide traceability and rationale for architectural decisions Explore a variety of practical use cases and code examples to implement the tools and techniques described in the book Who This Book Is For This book is for experienced .NET developers who are aspiring to become architects of enterprise-grade applications, as well as software architects who would like to leverage .NET to create effective blueprints of applications. What You Will Learn Grasp the important aspects and best practices of application lifecycle management Leverage the popular ALM tools, application insights, and their usage to monitor performance, testability, and optimization tools in an enterprise Explore various authentication models such as social media-based authentication, 2FA and OpenID Connect, learn authorization techniques Explore Azure with various solution approaches for Microservices and Serverless architecture along with Docker containers Gain knowledge about the recent market trends and practices and how they can be achieved with .NET Core and Microsoft tools and technologies In Detail If you want to design and develop enterprise applications using .NET Core as the development framework and learn about industry-wide best practices and guidelines, then this book is for you. The book starts with a brief introduction to enterprise architecture, which will help you to understand what enterprise architecture is and what the key components are. It will then teach you about the types of patterns and the principles of software development, and explain the various aspects of distributed computing to keep your applications effective and scalable. These chapters act as a catalyst to start the practical implementation, and design and develop applications using different architectural approaches, such as layered architecture, service oriented architecture, microservices and cloud-specific solutions. Gradually, you will learn about the different approaches and models of the Security framework and explore various authentication models and authorization techniques, such as social media-based authentication and safe storage using app secrets. By the end of the book, you will get to know the concepts and usage of the emerging fields, such as DevOps, BigData, architectural practices, and Artificial Intelligence. Style and approach Filled with examples and use cases, this guide takes a no-nonsense approach to show you the best tools and techniques required to become a successful software architect. Here's one of the singular references providing on-the-mark coverage of application development based on the Component Object Model (COM) and Microsoft Transaction Server (MTS). DESIGNING COMPONENT-BASED APPLICATIONS demonstrates the principles of effective COM-driven design and MTS deployment through in-depth examination of Island Hopper, a joint project of the Microsoft COM and Microsoft Visual Studio design teams. This full-featured enterprise application was built using a practical set of development guidelines field-tested by Microsoft consultants on a variety of 3-2-1 projects (3 tiers, 2 developers, 1month). As you focus on individual facets of the model application, you're also learning how to apply this proven methodology to quickly design, test, debug, and deploy your own multitier, COM-based programs.

A software architect's digest of core practices, pragmatically applied Designing effective architecture is your best strategy for managing project complexity—and improving your results. But the principles and practices of software architecting—what the authors call the “science of hard decisions”—have been evolving for cloud, mobile, and other shifts. Now fully revised and updated, this book shares the knowledge and real-world perspectives that enable you to design for success—and deliver more successful solutions. In this fully updated Second Edition, you will: Learn how only a deep understanding of domain can lead to appropriate architecture Examine domain-driven design in both theory and implementation Shift your approach to code first, model later—including multilayer architecture Capture the benefits of prioritizing software maintainability See how readability, testability, and extensibility lead to code quality Take a user experience (UX) first approach, rather than designing for data Review patterns for organizing business logic Use event sourcing and CQRS together to model complex business domains more effectively Delve inside the persistence layer, including patterns and implementation.

With fundamental changes coming in Visual Basic.NET, Sams offers the most comprehensive coverage of object-oriented development, distributed application development, and Web Services.

ASP.NET 3.5 Enterprise Application Development with Visual Studio 2008

Web Applications

Microsoft Azure

Enterprise Applications Administration

Enterprise Software Architecture and Design

Pattern Enterpr Applic Arch

Understand the key challenges and solutions around building microservices in the enterprise application environment. This book provides a comprehensive understanding of microservices architectural principles and how to use microservices

Architectural challenges using microservices with service integration and API management are presented and you learn how to eliminate the use of centralized integration products such as the enterprise service bus (ESB) through the use of microservices. Concepts in the book are supported with use cases, and emphasis is put on the reality that most of you are implementing in a “brownfield” environment in which you must implement microservices alongside legacy applications

business. Microservices for the Enterprise covers state-of-the-art techniques around microservices messaging, service development and description, service discovery, governance, and data management technologies and guides you through

Also included is the importance of organizing services as core versus atomic, composite versus integration, and API versus edge, and how such organization helps to eliminate the use of a central ESB and expose services through an API gateway. You will also develop microservices architectures with confidence Put into practice the most modern techniques around messaging technologies Apply the Service Mesh pattern to overcome inter-service communication challenges Apply battle-tested microservices to real-world scenarios Handle API management, decentralized data management, and observability Who This Book Is For Developers and DevOps engineers responsible for implementing applications around a microservices architecture, and architects designing such systems

Cliff Berg shows how to design high-assurance applications that build in reliability, security, manageability, and maintainability upfront. He draws on real-world scenarios and actual applications, focusing heavily on the activities and relationships that lead to superior software.

This book constitutes the refereed proceedings of the 10th International Symposium on Business Modeling and Software Design, BMSD 2020, which took place in Berlin, Germany, in July 2020. BMSD is a leading international forum that brings together practitioners interested in business modeling and its relation to software design. Particular areas of interest are: Business Processes and Enterprise Engineering; Business Models and Requirements; Business Models and Services; Business Systems Architectures and Paradigms; Data Aspects in Business Modeling and Software Development; Blockchain-Based Business Models and Information Systems; IoT and Implications for Enterprise Information Systems. The theme of BMSD 2020 is Knowledge-Driven Enterprise Information Systems.

"Created by the Enterprise Team of the Java Software group at Sun Microsystems, Designing Enterprise Applications with the Java 2 Platform, Enterprise Edition describes the application configurations supported by the J2EE platform and how to determine the best design for particular needs. It explores web-based clients based on Java servlets and JavaServer Pages, middle-tier solutions using Enterprise JavaBeans technology, and backend connections based on JDBC technology and application deployment, transaction management, and other key issues for today's applications."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

Designing Component-based Applications

Java EE 8 Design Patterns and Best Practices

Entities, Services, and Resources

Architecting High Performing, Scalable and Available Enterprise Web Applications

Designing Enterprise Applications with the Java 2 Platform, Enterprise Edition

Designing, Building, and Deploying Messaging Solutions

Special Features: · Discusses knowledgebase and skill set required for enterprise application development using a case study · Defines a prescriptive technical architecture framework for raising a typical enterprise application · Provides mapping of typical application framework components to the software design patterns · Introduces the software construction map to bridge the gap between the designers and developers perspectives · Explains the layer-by-layer construction of enterprise applications · Discusses testing of enterprise applications, to understand various kinds of testing, in an exclusive chapter · Defines the concept map for key topics discussed in the book · Shares do's and don'ts for the life cycle phases of raising enterprise applications · Provides tips on tools and technologies used to raise enterprise applications · Unfolds the overall journey of raising enterprise applications from inception to rollout · The accompanying CD contains: · CD content copyright page · Readme file, listing the content of the CD · LoMS Application Deployment Guide for the case study · LoMS Application containing JAVA-based codebase · A PowerPoint presentation, the ready reference of the key concepts, discussed in the book. About The Book: This book attempts to take the readers through the various processes, life cycle stages, patterns, frameworks, tools and technologies required to raise successful enterprise applications, catering to the business needs of today's enterprises. Based on the authors experience, learning and hard-won wisdom, the book highlights the raising of enterprise applications while conforming to proven software engineering practices. It provides an essential guidance to navigate from inception to rollout of a typical enterprise application development. Written by IT industry veterans, the book can be used by those who are interested in understanding the complex journey of developing enterprise applications. The book helps programmers, testers, architects, business analysts and project managers get an overall understanding of the enterprise application development. It also helps academia visualize the enterprise application development in practice.

This book fills a gap between high-level overview texts that are often too general and low-level detail oriented technical handbooks that lose sight the "big picture". This book discusses SOA from the low-level perspective of middleware, various XML-based technologies, and basic service design. It also examines broader implications of SOA, particularly where it intersects with business process management and process modeling. Concrete overviews will be provided of the methodologies in those fields, so that students will have a hands-on grasp of how they may be used in the context of SOA.

This book provides a step-by-step guide for developing an ASP.NET 3.5 application using the latest features in Visual Studio 2008. The Problem Design Solution series by Wrox is unique because it describes a large case study and builds an entire solution chapter by chapter for each incremental step. This book uses a wide variety of new features in Visual Studio 2008, explains each in detail, and produces a solution that you can use as a starting point for your own applications. If you are responsible for designing or developing enterprise-wide applications, departmental applications, portals, or any line of business application, then this book is for you. Many applications have a similar set of features, and this book builds an application with some of the most common features of enterprise applications. Let's face it: Every application has the same general set of features, but implemented in a different way. A database sits in the back end and you, as the developer, are responsible for enabling users to add, update, select, and delete records. If only it were that simple, no? The real development work starts when you sit with users and try to understand the business process and why they need a new or improved system in the first place. A lot of companies have departments that use Excel and Access wizards to create small systems that eventually become a lifeline for some part of the business. Usually something bad happens because of the nature of the tool they are using. Senior-level management is called in, project managers are hired, programmers are contracted, and the Project Management Office (PMO) is called to save the world. Suddenly this loosely defined process is high priority and people want documented standard operating procedures, audit reports, more productivity, less people, and of course a system that can do it all, which is where you come in. When you think about it, it's a pretty daunting task. You're expected to become an expert in someone else's business process, flaws and all, and create a system that the company will rely on as the backbone for their existence. OK, maybe I'm exaggerating just a little bit, but when you go looking for that raise you might want to phrase it that way. This book will give you the tools necessary to build a framework that can be extended to create a solution to solve your company's problems. The design pattern uses the normal three layers, the user interface (UI), the business logic layer (BLL), and the data access layer (DAL), but also builds the classes in each layer that encapsulate common business rules such as role-based security, workflow, reporting, dynamic menus, data entry, dynamic querying, notifications, exception handling, and auditing. As the book guides you through the complete solution, each business requirement is thoroughly examined and some of the latest enhancements in ASP.NET 3.5 and Visual Studio 2008 are used to implement them in a reusable framework. Enterprise applications are typically complex, and the teams that build enterprise applications come in all shapes and sizes. Some of the roles include a project sponsor, a project manager, business analysts, an architect, UI developers, middle-tier developers, database developers, and, if you're really lucky, testers. Just a side note: Users are not testers. If you ever have the pleasure of working with professional testers, you'll realize how important they are in the process, and how they truly are "quality" assurance engineers. Unfortunately, a lot of companies aren't willing to invest in professional testers, so the users and/or developers end up assuming that role. This book is mainly focused on the architect and developers, but testers may find it valuable as well to help them understand the plumbing that goes into developing and architecting an enterprise application. This book is for the intermediate to senior level developer or system architect. It would be helpful if you have experience with Visual Studio, the .NET Framework, ASP.NET, and C# because that is what the samples are written in, but the design pattern could be used in any language. The book is focused on enterprise applications, but the pattern could be used for any type of application that has a web front end and connects to a database. The application framework built in this book provides a foundation that can be extended to meet the specific business needs of your organization. The sample application in this book is built using Visual Studio 2008, ASP.NET 3.5, C#, and SQL Server 2005. Each chapter goes into great detail, with plenty of code samples, and uses some of the new features in Visual Studio 2008 and the language enhancements in the .NET Framework 3.5. The solution includes examples for technologies such as LINQ to SQL, master pages, custom controls, GridViews, business objects, data objects, and Crystal Reports. Some of the language enhancements discussed include LINQ, extension methods, partial methods, automatic properties, anonymous types, lambda expressions, and object initializers. Of course, I realize that the code is what most developers are interested in, and each chapter provides numerous examples. The Problem Design Solution series is just that. Each chapter has three sections with a description of the problem to be addressed, the design considerations for choosing a solution for the problem, and the solution that ultimately addresses the problem. The solution includes the bulk of the code. Each chapter builds upon the previous chapter, and it is recommended that you read them in order. The base classes that are described in the first few chapters are critical to an understanding of the rest of the book. Later chapters build upon the base classes and extend their functionality in all three layers of the application.

For years, User Experience (UX) has not been a primary focus area for businesses and organizations. Established brands have garnered significant success on the power of their brand name and the credibility that came with it. The “you buy what I make” thought has dominated the “I will make what you want” approach which has led to UX designers battling between designing strategies for end-user or for the business heads. The digital revolution vows to change this approach as enhanced customer experience is directly proportional to profits and growth. Organizations that are not adaptable to this change will lose ground, resulting in poorer performance and business loss. Enhanced customer experiences is an extension of how well you understand your customers and their needs. It often boils down to simplicity and ease of interactions across conventional as well as digital channels. A well-defined UX strategy will result in overall cost reduction, speed to market, sales productivity, and a larger pool of loyal customers. This book highlights the importance of UX in today's day and age while establishing the business benefits of this approach for the new-age enterprise. It takes you through key process elements that span multiple disciplines, including user research, market research, information architecture, content strategy, wireframes & prototyping, interaction design, maturity models & checklist, visual design and usability testing. It also compares the traditional and modern approach with trending innovative models that combine the latest technology, design thinking and user experience.

NET Enterprise Design with Visual Basic .NET and SQL Server 2000

Enterprise Application Architecture with .NET Core

Enterprise Application Development with C# 10 and .NET 6

Designing and Coding Enterprise Applications

Hands-On Enterprise Application Development with Python

Architecting Modern Java EE Applications

Enterprise Applications Administration prepares you for the full breadth of work associated with administering large enterprise applications. This book provides essential information on tasks such as operating systems administration, network design, system architecture, project planning, working within a team, protecting the network, and how to keep applications up and running. The book effectively bridges the gap between what is taught in the technology-specific literature and the real world of enterprise application administrators. Provides a general understanding of all key knowledge areas needed by enterprise application administrators Bridges the gap between technology-specific literature and the actual work being performed by enterprise application administrators Shows how to define and standardize processes and documentation to make enterprise application administration easier and more consistent

EJB allows developers to focus on the actual business architecture of their creations rather than worry about megalocs of code. Because EJB systems are written in Java, they are platform independant and as they are object-orientated, they can be intergrated into existed systems with little or no recompiling.

Find out how to craft effective, business-oriented Java EE 8 applications that target customer's demands in the age of Cloud platforms and container technology. About This Book Understand the principles of modern Java EE and how to realize effective architectures Gain knowledge of how to design enterprise software in the age of automation, Continuous Delivery and Cloud platforms Learn about the reasoning and motivations behind state-of-the-art enterprise Java technology, that focuses on business Who This Book Is For This book is for experienced Java EE developers who are aspiring to become the architects of enterprise-grade applications, or software architects who would like to leverage Java EE to create effective blueprints of applications. What You Will Learn What enterprise software engineers should focus on Implement applications, packages, and components in a modern way Design and structure application architectures Discover how to realize technical and cross-cutting aspects Get to grips with containers and container orchestration technology Realize zero-dependency, 12-factor, and Cloud-native applications Implement automated, fast, reliable, and maintainable software tests Discover distributed system architectures and their requirements In Detail Java EE 8 brings with it a load of features, mainly targeting newer architectures such as microservices, modernized security APIs, and cloud deployments. This book will teach you to design and develop modern, business-oriented applications using Java EE 8. It shows how to structure systems and applications, and how design patterns and Domain Driven Design aspects are realized in the age of Java EE 8. You will learn about the concepts and principles behind Java EE applications, and how to effect communication, persistence, technical and cross-cutting concerns, and asynchronous behavior. This book covers Continuous Delivery, DevOps, infrastructure-as-code, containers, container orchestration technologies, such as Docker and Kubernetes, and why and especially how Java EE fits into this world. It also covers the requirements behind containerized, zero-dependency applications and how modern Java EE application servers support these approaches. You will also learn about automated, fast, and reliable software tests, in different test levels, scopes, and test technologies. This book covers the prerequisites and challenges of distributed systems that lead to microservice, shared-nothing architectures. The challenges and solutions of consistency versus scalability will further lead us to event sourcing, event-driven architectures, and the CQRS principle. This book also includes the nuts and bolts of application performance as well as how to realize resilience, logging, monitoring and tracing in a modern enterprise world. Last but not least the demands of securing enterprise systems are covered. By the end, you will understand the ins and outs of Java EE so that you can make critical design decisions that not only live up to, but also surpass your clients' expectations. Style and approach This book focuses on solving business problems and meeting customer demands in the enterprise world. It covers how to create enterprise applications with reasonable technology choices, free of cargo-cult and over-engineering. The aspects shown in this book not only demonstrate how to realize a certain solution, but also explain its motivations and reasoning.

Architecting High Performing, Scalable and Available Enterprise Web Applications provides in-depth insights into techniques for achieving desired scalability, availability and performance quality goals for enterprise web applications. The book provides an integrated 360-degree

view of achieving and maintaining these attributes through practical, proven patterns, novel models, best practices, performance strategies, and continuous improvement methodologies and case studies. The author shares his years of experience in application security, enterprise application testing, caching techniques, production operations and maintenance, and efficient project management techniques. Delivers holistic view of scalability, availability and security, caching, testing and project management Includes patterns and frameworks that are illustrated with end-to-end case studies Offers tips and troubleshooting methods for enterprise application testing, security, caching, production operations and project management Exploration of synergies between techniques and methodologies to achieve end-to-end availability, scalability, performance and security quality attributes 360-degree viewpoint approach for achieving overall quality Practitioner viewpoint on proven patterns, techniques, methodologies, models and best practices. Bulleted summary and tabular representation of concepts for effective understanding Production operations and troubleshooting tips

Architecture

Business Modeling and Software Design

Designing Enterprise Information Systems

RAISING ENTERPRISE APPLICATIONS: A SOFTWARE ENGINEERING PERSPECTIVE (With CD)

Designing Enterprise Applications with the Java 22EE Platform

Service-oriented Architecture for Enterprise Applications

A comprehensive guide to every important component of C# and .NET 6 required to build robust enterprise web applications Key FeaturesExplore the advanced features of C# and .NET 6 to enhance your code and productivityFollow clear and easy instructions for building an end-to-end enterprise applicationLearn how to build scalable web applications and host them on the cloudBook Description Building production-ready enterprise applications can be a challenging task due to the overabundance of tools and their different versions that make app development complex. This book simplifies the process with an end-to-end road map for building enterprise applications from scratch using the latest features of .NET Core 6 and C# 10. Throughout the book, you'll work on creating an enterprise app, adding a key component to the app with each chapter, before finally getting it ready for testing and deployment. You'll learn concepts relating to advanced data structures, the Entity Framework Core, parallel programming, and dependency injection. As you progress, you'll cover various authentication and authorization schemes provided by .NET Core to make your apps and APIs secure. The book then shows you how the latest Microsoft Visual Studio and C# 10 help you simplify developer tasks and shares tips and tricks in Visual Studio to improve your productivity. You'll discover various testing techniques, such as unit testing and performance testing, as well as different methods to deploy enterprise apps. By the end of this book, you'll be able to create enterprise apps using the powerful features of .NET 6 and deploy them to the cloud while working with various cloud components using Azure. What you will learnDesign enterprise apps by making the most of the latest features of .NET 6Discover different layers of an app, such as the data layer, API layer, and web layerExplore end-to-end architecture by implementing an enterprise web app using .NET and C# 10 and deploying it on AzureFocus on the core concepts of web application development and implement them in .NET 6Integrate the new .NET 6 health and performance check APIs into your appExplore MAUI and build an application targeting multiple platforms - Android, iOS, and WindowsWho this book is for If you are a developer, architect, or senior programmer, this book will show you how to leverage the features of .NET 6 and the C# language, as well as help you grasp essential techniques to build your skills.

Information Technology professionals can use this book to move beyond the excitement of web services and service oriented architecture (SOA) and begin the process of finding actionable ideas to innovate and create business value. In Enterprise SOA: Designing IT for Business Innovation, SAP's blueprint for putting SOA to work is analyzed from top to bottom. In addition to design, development, and architecture, vital contextual issues such as governance, security, change management, and culture are also explored. This comprehensive perspective reduces risk as IT departments implement ESA, a sound, flexible architecture for adapting business processes in response to changing market conditions. This book answers the following questions: What forces created the need for Enterprise Services Architecture? How does ESA enable business process innovation? How is model-driven development used at all levels of design, configuration, and deployment? How do all the layers of technology that support ESA work together? How will composite applications extend business process automation? How does ESA create new models for IT governance? How can companies manage disruptive change? How can enterprise services be discovered and designed? How will the process of adapting applications be simplified? Based on extensive research with experts from the German software company SAP, this definitive book is ideal for architects, developers, and other IT professionals who want to understand the technology and business relevance of ESA in a detailed way--especially those who want to move on the technology now, rather than in the next year or two.

Enterprise Integration Patterns provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable art of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book.

Straight talking advice on how to design and build enterprise applications for the cloud using Microsoft Azure with this book and eBook.

Designing Enterprise Applications with the J2EE Platform

Building Java Enterprise Applications

Problem Design Solution

Designing Enterprise Applications with the Java 2 Platform

Designing IT for Business Innovation

What are the key decisions and tradeoffs you face as you design and develop enterprise applications? How do you build the back end so that it not only handles your current needs but is flexible enough to allow your system to evolve as your needs expand? Answer these questions and many more with ""Building Java Enterprise Applications, an advanced 3-volume guide to building complex Java Enterprise Applications from the ground up that addresses design issues along the way. These practical books take a step back from detailed examination of the APIs and focus on the entire picture, so you can put the pieces together and build something that works! Volume 1: Architecture explores the infrastructure issues so important to good application design. It isn't just a book about doing things with Entity Beans, JDBC and JMS and JNDI. It takes you step by step through building the back end, designing the data store so that it gives you convenient access to the data your application needs; designing a directory; figuring out how to handle security and where to store security credentials you need; and so on. On top of this, it shows -- as easily as possible --how to build the entity bean layer that makes information available to the rest of the application. Throughout this 3-volume guide, author Brett McLaughlin uses his wealth of real-world experience with enterprise development to show you one step at a time how to design and build a comprehensive enterprise application from the ground up, starting (in this first volume) with the back end. Volume II will discuss architectures for web application, and volume III will venture into the still-uncharted territory of building web services. Eachbook stands on it's own as a complete and valuable reference.

Describes ways to incorporate domain modeling into software development.

Create rich, flexible, and maintainable line-of-business applications with the MVVM design pattern Simplify and improve business application development by applying the MVVM pattern to Windows Presentation Foundation (WPF) and Microsoft(R) Silverlight(R) 4. With this hands-on guide, you'll use MVVM with data binding, commands, and behaviors to create user interfaces loosely coupled to business logic. MVVM is ideal for .NET developers working with WPF and Silverlight--whether or not you have experience building enterprise applications. Discover how to: Dive deep into MVVM--and learn how it differs from other UI design patterns Build a simple Customer Relationship Management application you can adapt for your own projects Implement MVVM to maintain separation between UI declarative syntax and presentation logic code Create a Domain Model to define your application's business context Write dynamic code for the data access layer with the Microsoft Entity Framework and NHibernate Enforce complex data-validation scenarios using Windows Workflow Foundation 4 Implement MVVM using frameworks and toolkits such as Microsoft Prism Get code samples on the web For system requirements, see the Introduction.

FowlerPattern Enterpr Applic ArchAddison-Wesley

UX Design for Enterprise Apps

Microservices for the Enterprise

Bridge the User Experience gap in Enterprise Applications for Financial Services & Insurance

Domain-driven Design

Enterprise SOA

Build enterprise-ready scalable applications with architectural design patterns

Following her widely acclaimedAutobiography of Red("A spellbinding achievement" --Susan Sontag), a new collection of poetry and prose that displays Anne Carson's signature mixture of opposites--the classic and the modern, cinema and print, narrative and verse. InMen in the Off Hours, Carson reinvents figures as diverse as Oedipus, Emily Dickinson, and Audubon. She views the writings of Sappho, St. Augustine, and Catullus through a modern lens. She sets up startling juxtapositions (Lazarus among video paraphernalia; Virginia Woolf and Thucydides discussing war). And in a final prose poem, she meditates on the recent death of her mother. With its quiet, acute spirituality, its fearless wit and sensuality, and its joyful understanding that "the fact of the matter for humans is imperfection,"Men in the Off Hoursshows us "the most exciting poet writing in English today" (Michael Ondaatje) at her best. From the Hardcover edition.

Learn how to put the power of Visual Basic .NET to work to design and implement enterprise applications! Most books about Visual Basic .NET focus on the language or the development environment, but few give you insights into critical design decisions. This book provides the detailed guidance you need to make the right choices as you design and build enterprise-level applications with Visual Basic .NET. The author-a former member of the Microsoft Visual Studio® .NET team with extensive experience in designing, testing, and optimizing enterprise applications-discusses the technical and architectural trade-offs you'll face as you develop large, multitier, multideveloper distributed applications. He also shows how to create a workable enterprise infrastructure, and he reveals inside tips and techniques for implementation, performance tuning, and testing. You'll find out how to take advantage of key state-of-the-art OOP features in Visual Basic .NET plus platform enhancements in Microsoft .NET to develop serious enterprise applications quickly.

It's rare to find a multi-user enterprise application that meets the high standards for quality, reliability, and manageability that today's enterprise customers demand. "Designing Enterprise-Class Applications with Microsoft "RM" Windows "RM" DNA" shows developers how to meet those standards in just 5% of their development time. The book walks readers through the development process sequentially and provides an application-architecture paradigm that can be implemented over and over again. It delivers the technical drill-down on how to make an application truly reliable, and it carefully explains the functionality, implementation, and justification for core Microsoft technologies. The author demonstrates how Office 2000 implements core Microsoft enterprise technologies, and he builds a sample clean enterprise application with actual code that exploits these technologies -- code that readers can use as the basis for their own custom enterprise applications.

Get the deep insights you need to master efficient architectural design considerations and solve common design problems in your enterprise applications. Key Features The benefits and applicability of using different design patterns in JAVA EE Learn best practices to solve common design and architectural challenges Choose the right patterns to improve the efficiency of your programs Book Description Patterns are essential design tools for Java developers. Java EE Design Patterns and Best Practices helps developers attain better code quality and progress to higher levels of architectural creativity by examining the purpose of each available pattern and demonstrating its implementation with various code examples. This book will take you through a number of patterns and their Java EE-specific implementations. In the beginning, you will learn the foundation for, and importance of, design patterns in Java EE, and then will move on to implement various patterns on the presentation tier, business tier, and integration tier. Further, you will explore the patterns involved in Aspect-Oriented Programming (AOP) and take a closer look at reactive patterns. Moving on, you will be introduced to modern architectural patterns involved in composing microservices and cloud-native applications. You will get acquainted with security patterns and operational patterns involved in scaling and monitoring, along with some patterns involved in deployment. By the end of the book, you will be able to efficiently address common problems faced when developing applications and will be comfortable working on scalable and maintainable projects of any size. What you will learn Implement presentation layers, such as the front controller pattern Understand the business tier and implement the business delegate pattern Master the implementation of AOP Get involved with asynchronous EJB methods and REST services Involve key patterns in the adoption of microservices architecture Manage performance and scalability for enterprise-level applications Who this book is for Java developers who are comfortable with programming in Java and now want to learn how to implement design patterns to create robust, reusable and easily maintainable apps.

Enterprise Application Development with C# 9 and .NET 5

Fowler

Designing lightweight, business-oriented enterprise applications in the age of cloud, containers, and Java EE 8

10th International Symposium, BMSD 2020, Berlin, Germany, July 6-8, 2020, Proceedings

High-assurance Design

Enterprise Integration Patterns

Become a professional .NET developer by learning expert techniques for building enterprise-grade applications Key FeaturesExplore the advanced features of C# and .NET 5 to enhance your code and productivityFollow clear and easy instructions for building an end-to-end enterprise applicationLearn how to build scalable web applications and host them on the cloudBook Description .NET Core is one of the most popular programming platforms in the world for an increasingly large community of developers thanks to its excellent cross-platform support. This book will show you how to confidently use the features of .NET 5 with C# 9 to build robust enterprise applications. Throughout the book, you'll work on creating an enterprise app and adding a key component to the app with each chapter, before finally getting it ready for testing and deployment. You'll learn concepts relating to advanced data structures, the Entity Framework Core, parallel programming, and dependency injection. As you progress, you'll cover various authentication and authorization schemes provided by .NET Core to make your apps and APIs secure. Next, you'll build web apps using ASP.NET Core 5 and deploy them on the cloud while working with various cloud components using Azure. The book then shows you how to use the latest Microsoft Visual Studio 2019 and C# 9 to simplify developer tasks, and also explores tips and tricks in Visual Studio 2019 to improve your productivity. Later, you'll discover various testing techniques such as unit testing and performance testing as well as different methods to deploy enterprise apps. By the end of this book, you'll be able to create enterprise apps using the powerful features of .NET 5 and deploy them on the cloud. What you will learnDesign enterprise apps by making the most of the latest features of .NET 5Discover different layers of an app, such as the data layer, API layer, and web layerExplore end-to-end architecture, implement an enterprise web app using .NET and C# 9, and deploy the app on AzureFocus on the core concepts of web application development such as dependency injection, caching, logging, configuration, and authentication, and implement them in .NET 5Integrate the new .NET 5 health and performance check APIs with your appUnderstand how .NET 5 works and contribute to the .NET 5 platformWho this book is for If you are a developer, architect, or senior programmer who wants to leverage the features of .NET 5 and the C# language, as well as grasp essential techniques to build your skills, then this C# .NET 5 book is for you. Beginner to intermediate-level knowledge of the .NET framework and C# programming is required to understand the concepts covered in this book more effectively.

The practice of enterprise application development has benefited from the emergence of many new enabling technologies. Multi-tiered object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not understand the architectural lessons that experienced object developers have learned. Patterns of Enterprise Application Architecture is written in direct response to the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology--from Smalltalk to CORBA to Java to .NET--the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. Each pattern provides usage and implementation information, as well as detailed code examples in Java or C#. The entire book is also richly illustrated with UML diagrams to further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about building an enterprise application and the proven patterns for use when building them. The topics covered include · Dividing an enterprise application into layers · The major approaches to organizing business logic · An in-depth treatment of mapping between objects and relational databases · Using Model-View-Controller to organize a Web presentation · Handling concurrency for data that spans multiple transactions · Designing distributed object interfaces

A foundational yet practical approach to UX that delivers more creative, collaborative, holistic, and mature design solutions, regardless of your background or experience About This Book Improve your UX design awareness and skills Gain greater confidence to know when you have delivered a "good" UX design Learn by example using a book designed by a UX mind for a UX mind Who This Book Is For This book is written for the beginner as well as the experienced UX practitioner, regardless of team size, company size, or job title. It is also intended for anyone with an interest in UX, engages with UX, is involved in any way in interactive problem solving and design, or simply wants to learn more about what we do, how we do it, and why those in the UX field are so passionate about wanting to do it better. What You Will Learn Awaken your UX mind and dispel the myths of non-UX thinkers Create the six optimal conditions for your best ideas to appear Identify and incorporate the ten design principles found in all good UX design Develop a broader understanding of Information Architecture (IA) to better engage, guide, and inform Develop a fundamental understanding of patterns and the properties that create them Raise your level of UX maturity with a strategy that transforms your approach to problem solving and helps others understand the true value of your work Utilize important tools of the UX trade that never go out of style Increase your knowledge of UX, incorporate valuable ideas and insights into your work, and look at design from a very unique perspective In Detail Written in an easy-to-read style, this book provides real-world examples, a historical perspective, and a holistic approach to design that will ground you in the fundamental essentials of interactive design, allow you to make more informed design decisions, and increase your understanding of UX in order to reach the highest levels of UX maturity. As you will see, UX is more than just delighting customers and users. It is also about thinking like a UX practitioner, making time for creativity, recognizing good design when you see it, understanding Information Architecture as more than just organizing and labeling websites, using design patterns to influence user behavior and decision making, approaching UX from a business perspective, transforming your client's and company's fundamental understanding of UX and its true value, and so much more. This book is an invaluable resource of knowledge, perspective, and inspiration for those seeking to become better UX designers, increase their confidence, become more mature design leaders, and deliver solutions that provide measurable value to stakeholders, customers, and users regardless of project type, size, and delivery method. Style and approach An in-depth, easy to read, and entertaining journey into and through the world of UX using real-world examples, thoughtful illustrations, and engaging quotes to inspire and explain fully the how and why of UX in a practical and impactful way and used immediately in your own work.

Architect scalable, reliable, and maintainable applications for enterprises with Python Key FeaturesExplore various Python design patterns used for enterprise software developmentApply best practices for testing and performance optimization to build stable applicationsLearn about different attacking strategies used on enterprise applications and how to avoid themBook Description Dynamically typed languages like Python are continuously improving. With the addition of exciting new features and a wide selection of modern libraries and frameworks, Python has emerged as an ideal language for developing enterprise applications. Hands-On Enterprise Application Development with Python will show you how to build effective applications that are stable, secure, and easily scalable. The book is a detailed guide to building an end-to-end enterprise-grade application in Python. You will learn how to effectively implement Python features and design patterns that will positively impact your application lifecycle. The book also covers advanced concurrency techniques that will help you build a RESTful application with an optimized frontend. Given that security and stability are the foundation for an enterprise application, you'll be trained on effective testing, performance analysis, and security practices, and understand how to embed them in your codebase during the initial phase. You'll also be guided in how to move on from a monolithic architecture to one that is service oriented, leveraging microservices and serverless deployment techniques. By the end of the book, you will have become proficient at building efficient enterprise applications in Python. What you will learnUnderstand the purpose of design patterns and their impact on application lifecycleBuild applications that can handle large amounts of data-intensive operationsUncover advanced concurrency techniques and discover how to handle a large number of requests in productionOptimize frontends to improve the client-side experience of your applicationEffective testing and performance profiling techniques to detect issues in applications early in the development cycleBuild applications with a focus on securityImplement large applications as microservices to improve scalabilityWho this book is for If you're a developer who wants to build enterprise-grade applications, this book is for you. Basic to intermediate-level of programming experience with Python and database systems is required to understand the concepts covered in this book.

Enhance your C# and .NET skills by mastering the process of developing professional-grade web applications

SunOne Custom Version of Designing Enterprise Applications with the J2EE Platform

Practical UX Design

Enterprise Application Development

Become a professional .NET developer by learning expert techniques for building scalable applications

Building Enterprise Applications with Windows Presentation Foundation and the Model View ViewModel Pattern

This book brings together enterprise modeling and software specification, providing a conceptual background and methodological guidelines that concern the design of enterprise information systems. In this, two corresponding disciplines (enterprise engineering and software engineering) are considered in a complementary way. This is how the widely recognized gap between domain experts and software engineers could be effectively addressed. The content is, on the one hand, based on a conceptual invariance (embracing concepts whose essence transcends the barriers between social and technical disciplines) while on the other, the book is featuring a modeling duality, by bringing together social theories (that are underlying with regard to enterprise engineering) and computing paradigms (that are underlying as it concerns software engineering). In addition, the proposed approach as well as its guidelines and related notations further foster such enterprise-software modeling, by facilitating modeling generations and transformations. Considering unstructured business information in the beginning, the modeling process would progress through the methodological construction of enterprise models, to reach as far as a corresponding derivation of software specifications. Finally, the enterprise-software alignment is achieved in a component-based way, featuring a potential for re-using modeling constructs, such that the modeling effectiveness and efficiency are further stimulated. For the sake of grounding the presented studies, a case study and illustrative examples are considered. They are not only justifying the idea of bringing together (in a component-based way) enterprise modeling and software specification but they are also demonstrating various strengths and limitations of the proposed modeling approach. The book was mainly written for researchers and graduate students in enterprise information systems, and also for professionals whose work involves the specification and realization of such systems. In addition, researchers and practitioners entering these fields will benefit from the blended view on enterprise modeling and software specification, for the sake of an effective and efficient design of enterprise information systems.

Market_Desc: · Students, Software Engineers, Designers, Architects, Business Analysts and Consultants· Project/Program Managers and IT Consultants, CXOs Special Features: · First book that focuses on architecture, design and development of Enterprise applications based on Service Oriented Architecture· Caters to the needs of students who need to understand the concepts of SOA, architects, designers and developers who build SOA based enterprise applications and CXOs and Project managers who make decisions on undertaking SOA projects· Includes detailed description (and code) to enable architects, designers and developers to build SOA applications on Java and .NET platforms· SOA is one of key areas on which IT services; product and end-user companies will be building substantial capability atleast until 2011. This book enables project teams in these companies to use it as a text book for their training programs on SOA About The Book: Service-Oriented Architecture is a book that emphasizes on architecture, design and development of enterprise applications based on SOA. The book provides detailed information on many dimensions of SOA-reuse, agility and integration-that can be put to immediate use for creating transformational impact. It also offers a comprehensive and structured set of techniques for custom-built service-oriented enterprise applications that can be readily applied by system integration companies and end-user organizations to address customer needs. The book equips you with both concepts and technology detail in addressing the IT challenges faced by organizations on their business transformation journey with SOA. This is the most sought after book by students who need to have an understanding of the concepts of SOA; architects, designers and developers who build SOA based enterprise applications and CXOs and Project managers who make decisions on undertaking SOA projects.

More than ever business applications need to be reliable and secure and Berg shows architects how to focus efforts where it matters.

Explores options for using J2EE technologies in the creation of scalable software, providing a case study on a database and focusing on selecting leading-edge technologies and implementing the sample system.

Tackling Complexity in the Heart of Software

Enterprise JavaBeans Component Architecture

Architecting Secure and Reliable Enterprise Applications

The Definitive Guide to Implementation and Operations

High-Assurance Design

Designing, Developing, and Deploying