

Visual Studio Team System Better Software Development For Agile Teams By Will W Stott 2007 05 27

A team of Microsoft insiders shows programmers how to use Visual Studio 2005 Team System, the new suite of products from Microsoft that can be used for software modeling, design, testing, and deployment. Focuses on practical application of the tools on code samples, development scenarios, and automation scripting. This timely book serves as both as a step-by-step guide and as a reference for modeling, designing, and coordinating enterprise solutions at every level using Team System. The book begins with an overview of Team System and then offers nuts-and-bolts guidance on practical implementation. Code examples are provided in both VB.NET and C#.

Visual Studio 2005 Team System (VSTS) features a robust, integrated suite of test tools that work seamlessly in the Visual Studio development environment. Covering all phases of the development lifecycle, this book shows readers how to implement best practices for software

testing using the appropriate components of VSTS Readers will learn how to use the tools effectively, directly from those who helped design and develop the software Shows how to catch common programming mistakes every time code is compiled, helping to shorten the time to market ASP.NET 3.5 is Microsoft's revolutionary ASP.NET technology. It is the principal standard for creating dynamic web pages on the Windows platform. Pro ASP.NET 3.5 in C# 2008 raises the bar for high-quality, practical advice on learning and deploying Microsoft's dynamic web solution. Seasoned .NET professionals Matthew MacDonald and Mario Szpuszta explain how you can get the most from this groundbreaking technology. They cover ASP.NET 3.5 as a whole, illustrating both the brand-new features and the functionality carried over from previous versions of ASP. This book will give you the knowledge you need to code real ASP.NET 3.5 applications in the best possible style.

Get up to speed on Application Lifecycle Management (ALM) with Visual Studio 2010 through a combination of hands-on instruction and deep-dives. Microsoft has packed a lot of brand new testing and modeling tools into Visual Studio 2010, tools that previously were available only

to Microsoft internal development teams. Developers will appreciate the focus on practical implementation techniques and best practices. A team of Microsoft insiders provides a nuts-and-bolts approach. This Wrox guide is designed as both a step-by-step guide and a reference for modeling, designing, and coordinating software development solutions at every level using Visual Studio 2010 and Visual Studio Team Foundation Server 2010. Visual Studio 2010 offers a complete lifecycle management system that covers modeling, testing, code analysis, collaboration, build and deployment tools. Coverage includes: An Introduction to Software Architecture Top-down Design with Use Case Diagrams, Activity Diagrams, and Sequence Diagrams Top-down Design with Component and Class Diagrams Analyzing Applications Using Architecture Explorer Using Layer Diagrams An Introduction to Software Development Unit Testing with the Unit Test Framework Managed Code Analysis and Code Metrics Profiling and Performance Database Development, Testing, and Deployment An Introduction to IntelliTrace An Introduction to Software Testing Web Performance and Load Testing Manual Testing Coded User Interface Testing Lab Management Introduction to Team Foundation

*Server Team Foundation Architecture Team
Foundation Version Control Branching and
Merging Team Foundation Build An
Introduction to Project Management Process
Templates Using Reports, Portals, and
Dashboards Agile Planning Using Planning
Workbooks Process Template Customizations
Professional Application Lifecycle
Management with Visual Studio 2010 shows
developers, testers, architects and
project managers alike how to leverage the
power of Visual Studio 2010 to streamline
software design and development.*

VISUAL STUDIO TEAM SYSTEM

*Agile Project Management using Team
Foundation Server 2015*

*Better Software Development for Agile
Teams*

*Visual Studio Team Foundation Server 2012
Mastering Web Development with Microsoft
Visual Studio 2005*

*Master build and release management with Team
Foundation Service and Visual Studio Team
Services to facilitate the continuous delivery of
software updates to your development team.*

*You'll receive detailed, practical guidance on
automating website deployments in Azure App
Service, database deployments to Azure
platform, Micro Services deployments in Azure
Service Fabric, and more. Each deployment is
structured with the aid of hands-on lessons in a*

*given target environment designed to empower your teams to achieve successful DevOps. This book provides lessons on how to optimize build release management definitions using capabilities, such as task groups. With the help of practical scenarios, you'll also learn how to diagnose and fix issues in automated builds and deployments. You'll see how to enhance the capability of build and release management, using team services/TFS Marketplace extensions and writing your own extensions for any missing functionality via hands-on lessons. What You Will Learn Automate deployment to Azure platform, including Web App Service, Azure SQL and Azure Service Fabric Test automation integration with builds and deployments Perform Dynamic CRM deployment handling and package management with TFS/VSTS Examine requirement to production delivery traceability in practical terms Review cross platform build/deployment capabilities of TFS/VSTS. Who This Book Is For Build/Release Engineers, Configuration Managers, Software Developers, Test Automation Engineers, System Engineers, Software Architects and System/Production Support Engineers or anyone who handles and involves in the software delivery process. *Will significantly increase developer and manager effectiveness using this complex technology *Authors convey proven track record with the technology *This is among the first (if*

not the first) VSTS book on the market
*Use Visual Studio® Team Foundation Server
2012 and Agile Methods to Deliver Higher Value
Software Faster* This is the definitive guide to
applying agile development and modern software
engineering practices with Visual Studio Team
Foundation Server 2012—Microsoft’s
complementary Application Lifecycle
Management (ALM) platform. Written by the
Microsoft Visual Studio product owner and a
long-time Team Foundation Server
implementation specialist, it focuses on solving
real development challenges, systematically
eliminating waste, improving transparency, and
delivering better software more quickly and
painlessly. Coverage includes • Accelerating the
“flow of value” to customers, with a transparent
backlog, PowerPoint Storyboarding, VS 2012
feedback requests, and a “usability lab” right
into your customers’ hands • Driving quality
upstream to uncover hidden architectural
patterns, ensure cleaner code, fix multiple
recurring “cloned” bugs at once, ensure the
definition of done with continuous integration
and deployment in a reliable build process •
Eliminating “no repro” bugs with VS 2012’s six
powerful mechanisms for more accurate fault
identification and use of virtualized test
environments • Using Scrum or other Agile
methods with Process Templates effectively
across distributed teams in large organization by

automating burndowns and dashboards to identify “early warning signals” of emerging problems with quality or maintainability • Staying in the groove by storing the state of your work and environment with shelvesets, to let you handle interruptions smoothly • Leveraging VS 2012’s new support for multiple Microsoft and open source unit testing frameworks in your IDE and continuous integration pipeline • Performing exploratory testing to uncover bugs in surprising places and testing immersive Windows 8 apps • Rapidly improving team development and collaboration with the hosted Team Foundation Service Whatever your development role, this book will help you apply modern software development practices using Visual Studio Team Foundation Server 2012 to focus on what really matters: building software that begins delivering exceptional value sooner and keeps delighting customers far into the future.

*The #1 guide to using Visual Studio 2010 in team development: insider coverage of this huge release, from the leader of the VSTS team **

**Focuses on succeeding with new VS 2010 ALM products in real-world environments, with exclusive 'Lessons Learned at Microsoft'.*

**Thoroughly covers VS 2010's massive new capabilities for team development. *Contains extensive new coverage of implementing Scrum and related practices. *Covers the entire lifecycle: requirements, architecture,*

construction, build, test, and more This is the most practical, valuable guide for every member of the software team who intends to run or participate in software projects using Microsoft's Visual Studio 2010. Written by a top Microsoft Visual Studio development team leader and a leading Visual Studio implementation consultant, it focuses on the real challenges development organizations face. The authors identify powerful lessons and best practices learned at Microsoft, and cover the entire development lifecycle, from requirements gathering through testing and beyond. This edition adds extensive coverage of VS 2010's extensive new team features, as well as new coverage of using VS 2010 to actively support teams that practice Scrum. Throughout, the authors focus on showing how to use VS 2010 to reduce waste, increase transparency, and accelerate the flow of value to the end customer. Coverage includes:

- * Requirements: vision, user stories, use cases, storyboards, satisfiers/dissatisfiers, and more*
- * Running the project: self-managing teams, metrics, sprints, and dashboards*
- * 'Value-up' views of software architecture, construction, and testing.*
- * Build and lab: check-in, team build, continuous integration, build verification tests, reporting, deployment, and lab automation/virtualization.*
- * Troubleshooting the project: overcoming issues ranging from scope creep to build failures*

Professional Scrum with Team Foundation

*Software Engineering with Microsoft Visual
Studio Team System*

Mastering Visual Studio 2017

*The Complete Reference to Professional Soa with
Visual Studio 2005 (C# & VB 2005) .Net 3.0*

*Pro Visual Studio Team System Application
Lifecycle Management*

Discover how to turn requirements into working software increments—faster and more efficiently—using Visual Studio 2012 in combination with Scrum and Agile engineering practices.

Designed for software development teams, this guide delivers pragmatic, role-based guidance for exploiting the capabilities of Application Lifecycle Management (ALM) tools in Visual Studio and Team Foundation Server. Team members will learn proven practices and techniques for implementing Scrum to manage an application's life cycle, as well as seamlessly plan, manage, and track their Scrum projects.

Be Right at Home in the World's Most Powerful Web Development Environment For large-scale web application development, Visual Studio 2005 is the most capable product around. This book shows team members and leaders how to use its power in several key dimensions. You'll master dozens of built-in features for creating a large, high-performance website based on ASP.NET 2.0. You'll work seamlessly with dynamic data, both reading from and writing to databases. And throughout, you'll learn how Visual Studio 2005 supports a more efficient group process in terms of design, development, and deployment. And everything is brought together with the enterprise-scale example, "ABC Incorporated," that runs throughout the book. This is a book no web developer, and no web-dependent organization, should be without. Coverage Includes Reaping the benefits of master pages and themes Generating site maps and other navigational aids automatically Building a shopping

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cart application for your website Adding search functionality to your website Creating a flexible user environment using Webpart technology Increasing application performance using client-side and server-side scripting technologies Giving users the ability to change the website's theme to meet specific needs Using components and controls to add special effects and user customization Improving team efficiency using modern development and design techniques Monitoring and responding to usage statistics Combining technologies to get the best possible results from large applications Making your site accessible to everyone Master Standards-Based Web Development Techniques New to Visual Studio 2005 Discover How Visual Studio 2005 Solves Team Development Issues, Such as Source Code Control and Application Design Simplify Database Application Development without Compromising Security or Reliability

Provides information on ways to effectively use the Visual Studio Team System in collaboration with architects, developers, and testers.

Use Visual Studio 2010's Breakthrough Testing Tools to Improve Quality Throughout the Entire Software Lifecycle Together, Visual Studio 2010 Ultimate, Visual Studio Test Professional 2010, Lab Management 2010, and Team Foundation Server offer Microsoft developers the most sophisticated, well-integrated testing solution they've ever had. Now, Microsoft MVP and VS testing guru Jeff Levinson shows exactly how to use Microsoft's new tools to save time, reduce costs, and improve quality throughout the entire development lifecycle. Jeff demonstrates how Microsoft's new tools can help you finally overcome long-standing communication, coordination, and management challenges. You'll discover how to perform first-rate functional testing; quickly create and execute tests and record the results with log files and video; and create bugs directly from tests, ensuring reproducibility and eliminating wasted time. Levinson offers in-depth coverage of Microsoft's powerful new testing metrics, helping you ensure traceability all the way from

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requirements through finished software. Coverage includes • Planning your tests using Microsoft Test Manager (MTM) • Creating test settings, structuring test cases, and managing the testing process • Executing manual tests with Microsoft Test Manager and Test Runner • Filing and resolving bugs, and customizing your bug reporting process • Automating test cases and linking automated tests with requirements • Executing automated test cases through both Visual Studio and Microsoft Test Manager • Integrating automated testing into the build process • Using Microsoft's Lab Management virtualization platform to test applications, snapshot environments, and reproduce bugs • Implementing detailed metrics for evaluating quality and identifying improvements Whether you're a developer, tester, manager, or analyst, this book can help you significantly improve the way you work and the results you deliver—both as an individual right now, and as a team member throughout your entire project.

Professional Visual Studio 2008

Software Testing with Visual Studio 2010

Pro Team Foundation Service

Tools for Software Developers and Test Engineers

Professional Scrum Development with Microsoft Visual Studio 2012

Pro Team Foundation Service gives you a jump-start into Microsoft's cloud-based Application Lifecycle Management platform, taking you through the different stages of software development. Every project needs to plan, develop, test and release software and with agile practices often at a higher pace than ever before. Microsoft's Team Foundation Service is a cloud-based platform that gives you

tools for agile planning and work tracking. It has a code repository that can be used not only from Visual Studio but from Java platforms and Mac OS X. The testing tools allow testers to start testing at the same time as developers start developing. The book also covers how to set up automated practices such as build, deploy and test workflows. This book: Takes you through the major stages in a software development project. Gives practical development guidance for the whole team. Enables you to quickly get started with modern development practices. With Microsoft Team Foundation Service comes a collaboration platform that gives you and your team the tools to better perform your tasks in a fully integrated way. What you'll learn What ALM is and what it can do for you. Leverage a cloud-based ALM platform for quick improvements in your development process. Improve your agile development process using integrated tools and practices. Develop automated build, deployment and testing processes. Integrate different development tools

with one collaboration platform. Get started with ALM best-practices first time round. Who this book is for Pro Team Foundation Service is for any development team that wants to take their development practices to the next level. Microsoft Team Foundation Service is an excellent platform for managing the entire application development lifecycle and being a cloud-based offering it is very easy to get started. Pro Team Foundation Service is a great guide for anyone in a team who wants to get started with the service and wants to get expert guidance to do it right. Table of Contents

Introduction to Application Lifecycle Management Introduction to Agile Planning, Development, and Testing Deciding on a Hosted Service Getting Started Working with the Initial Product Backlog Managing Team and Alerts Initial Sprint Planning Running the Sprint Kanban Engaging the Customer Choosing Source Control Options Working with Team Foundation Version Control in Visual Studio Working with Git in Visual Studio Working in Heterogeneous Environments Configuring Build Services

***Working with Builds Customizing Builds
Continuous Deployment Agile Testing
Test Management Lab Management
Software Engineering with Microsoft
Visual Studio Team System is written
for any software team that is
considering running a software project
using Visual Studio Team System (VSTS),
or evaluating modern software
development practices for its use. It
is about the value-up paradigm of
software development, which forms the
basis of VSTS: its guiding ideas, why
they are presented in certain ways, and
how they fit into the process of
managing the software lifecycle. This
book is the next best thing to having
an onsite coach who can lead the team
through a consistent set of processes.
Sam Guckenheimer has been the chief
customer advocate for VSTS, responsible
for its end-to-end external design. He
has written this book as a framework
for thinking about software projects in
a way that can be directly tooled by
VSTS. It presents essential theory and
practical examples to describe a
realistic process for IT projects.
Readers will learn what they need to***

**know to get started with VSTS,
including The role of the value-up
paradigm (versus work-down) in the
software development lifecycle, and the
meanings and importance of "flow" The
use of MSF for Agile Software
Development and MSF for CMMI Process
Improvement Work items for planning and
managing backlog in VSTS
Multidimensional, daily metrics to
maintain project flow and enable
estimation Creating requirements using
personas and scenarios Project
management with iterations, trustworthy
transparency, and friction-free metrics
Architectural design using a value-up
view, service-oriented architecture,
constraints, and qualities of service
Development with unit tests, code
coverage, profiling, and build
automation Testing for customer value
with scenarios, qualities of service,
configurations, data, exploration, and
metrics Effective bug reporting and bug
assessment Troubleshooting a project:
recognizing and correcting common
pitfalls and antipatterns This is a
book that any team using or considering
VSTS should read.**

What other areas of the organization might benefit from the Visual Studio Team Services team's improvements, knowledge, and learning? What management system can we use to leverage the Visual Studio Team Services experience, ideas, and concerns of the people closest to the work to be done? A compounding model resolution with available relevant data can often provide insight towards a solution methodology; which Visual Studio Team Services models, tools and techniques are necessary? How do we accomplish our long range Visual Studio Team Services goals? Is Visual Studio Team Services linked to key business goals and objectives? This astounding Visual Studio Team Services self-assessment will make you the trusted Visual Studio Team Services domain assessor by revealing just what you need to know to be fluent and ready for any Visual Studio Team Services challenge. How do I reduce the effort in the Visual Studio Team Services work to be done to get problems solved? How can I ensure that plans of action include every Visual Studio Team

Services task and that every Visual Studio Team Services outcome is in place? How will I save time investigating strategic and tactical options and ensuring Visual Studio Team Services costs are low? How can I deliver tailored Visual Studio Team Services advice instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all Visual Studio Team Services essentials are covered, from every angle: the Visual Studio Team Services self-assessment shows succinctly and clearly that what needs to be clarified to organize the required activities and processes so that Visual Studio Team Services outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced Visual Studio Team Services practitioners. Their mastery, combined with the easy elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in Visual Studio Team

Services are maximized with professional results. Your purchase includes access details to the Visual Studio Team Services self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows you exactly what to do next. Your exclusive instant access details can be found in your book.

The Complete Reference to Professional SOA with Visual Studio 2005 (C# & VB 2005) focuses on architecting and constructing enterprise-level systems. Taking advantage of the newly released Visual Studio 2005 development environment, the book assesses the current service-oriented platform and examines new ways to develop for scalability, availability, and security (which have become available with .NET 2.0). You'll get to look closely at application infrastructure in terms of flexibility, interoperability, and integration, as well as the decisions that have to be made to achieve optimum balance within your architecture.

Visual Studio Team System

Pro Visual Studio 2005 Team System

Micro Vis Stu 2010 Unl PDF _1

Leveraging Continuous Delivery for Your Business

Visual Studio Team Services Second Edition

Provides information on using the Visual Studio 2005 software testing and development tools, covering such topics as unit testing, Web testing, load testing, code analysis, and dynamic analysis.

Visual Studio Team System Better Software Development for Agile Teams Pearson Education

Professional Visual Studio 2008 Microsoft Visual Studio 2008 is the latest version in the ongoing evolution of the Integrated Development Environment (IDE), and this resource examines the diverse facets of the IDE—from common tasks to intricate functions to the powerful tools accompany the main code editing and design windows. Written by a unique author duo and offering an in-depth look at the powerful and fascinating features and techniques of the IDE, this book explores each aspect of the development life cycle from the perspective of how Visual Studio 2008 can make your life easier. Each chapter is packed with examples that illustrate uses for various tools, commands, and shortcuts of Visual Studio 2008. You will gradually learn to identify where a feature is used, conclude how you can use it to its fullest potential, and then seamlessly apply that feature to help solve real-world problems. This book will help you get started with agile project management using Microsoft's latest releases of its market leading Team Foundation Server (TFS) 2015, and Visual Studio Team Services (VSTS). The book demonstrates agile concepts and how to implement them using TFS/VSTS.

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Many organizations are using agile practices today. Agility has become a key enabler for running better projects with more successful end results and high quality output. At the same time, adoption of TFS/VSTS has increased dramatically, from being just a new version control system at the very beginning to becoming the fully-featured market leader it is today. In order to benefit the most from agile practices you need an Application Lifecycle Management (ALM) toolset that supports your way of working. With TFS/VSTS, Microsoft has provided a powerful tool that is very customizable. This book shows you how you can use TFS/VSTS to implement many agile practices and how they fit into a well-thought-out ALM implementation. The book also shows how an agile product owner can work with TFS/VSTS to setup an agile project from scratch and how to continue using TFS/VSTS throughout the whole project to track progress, create and refine the backlog, and work with Kanban and Scrum Task boards. Keeping track of progress is important in any project. TFS/VSO includes many tools which will help you to track key metrics in an agile project. Many useful reports are available out of the box, and the TFS extensibility offers several ways to further customize reporting to fit your needs.

What You Will Learn:

- Agile Concepts and Processes
- How TFS/VSO supports agile processes end to end
- How you can customize TFS/VSO to better support your processes
- How to set up an agile project from scratch and manage it over its lifecycle
- Adopting Agile Software Practices: From Backlog to Continuous Feedback

Professional Team Foundation Server 2012

Professional Software Testing with Visual Studio 2005 Team

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System

Managing Projects with Microsoft Visual Studio Team System

COLABORAÇÃO, QUALIDADE, PREVISIBILIDADE, CONTROLE

This end-to-end deep dive into Microsoft Visual Studio 2010 Professional will help working developers squeeze maximum productivity out of Visual Studio 2010 ' s extraordinarily rich toolbox, whether they are writing code for the Web, Windows, Silverlight, or Microsoft ' s Azure cloud computing environment. The authors combine authoritative and detailed information about Microsoft ' s latest IDE, with extensive insights and best practices drawn from decades of development experience. Developers will learn how to use Visual Studio 2010 Professional to take full advantage of the entire .NET platform, including Windows Presentation Foundation (WPF) for rich client development, Windows Communication Foundation (WCF) for building dynamic service-oriented solutions, and Windows Workflow Foundation (WF) for structured programming around business processes. The authors also present extensive new coverage of Microsoft ' s powerful new tools for unit testing, application instrumentation, and code analysis. By focusing entirely on Visual Studio 2010 Professional, the authors have gone deeper into Microsoft ' s core product than ever before. Throughout, their focus is relentlessly practical: how to apply Microsoft ' s tools to build better software, faster. Detailed information on how to... Work with solutions, projects, browsers, explorers, editors, and designers Write better macros, add-ins, and wizards Save more time with Visual Studio 2010 ' s updated productivity tools Instrument, analyze, and test your software Refactor code for greater robustness, maintainability, and performance Share code with team

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members and the larger community Write powerful ASP.NET, ASP.NET MVC, and Silverlight web applications Implement robust service oriented architecture (SOA)-based applications Efficiently consume services with WCF Write advanced Windows applications with Windows Forms and WPF Construct data-centric applications with LINQ and Entity Framework Create and host workflow-based applications with WF Write applications for the Azure cloud Extend Visual Studio with the new Managed Extensibility Framework (MEF) and the Automation Object Model Build better object-oriented VB or C# software, and use new dynamic language features Get up to speed on Application Lifecycle Management (ALM) with Visual Studio 2010 through a combination of hands-on instruction and deep-dives. Microsoft has packed a lot of brand new testing and modeling tools into Visual Studio 2010, tools that previously were available only to Microsoft internal development teams. Developers will appreciate the focus on practical implementation techniques and best practices. A team of Microsoft insiders provides a nuts-and-bolts approach. This Wrox guide is designed as both a step-by-step guide and a reference for modeling, designing, and coordinating software development solutions at every level using Visual Studio 2010 and Visual Studio Team Foundation Server 2010. Visual Studio 2010 offers a complete lifecycle management system that covers modeling, testing, code analysis, collaboration, build and deployment tools.

Este livro tem como principal objetivo apresentar aos desenvolvedores, gerentes de projetos e demais profissionais de tecnologia envolvidos na fabricação de software em geral os benefícios que o DLC (Software Development Life Cycle) baseado em tecnologia Microsoft proporciona. A partir de artefatos construídos nativamente ou customizados, você será capaz de rastrear operações, prover pontos críticos em seus projetos, informar melhor seus patrocinadores internos

e externos (clientes) gerar Base-Lines, desenvolver paralelamente seus projetos sem perder o controle das versões que estão simultaneamente sendo trabalhadas, entre outros grandes recursos. A proposta deste livro é levar o leitor para dentro do seu próprio processo de desenvolvimento de software, fazendo-o refletir sobre como é necessário zelar pelo controle de suas atividades, pela previsibilidade de suas ações, pela qualidade de seu código e pela colaboração de sua equipe para gerar e atingir os seus objetivos.

Updated to include coverage of the latest ' DBPro ' extension for database professionals this book is the only reference needed to get started with Visual Studio 2005 Team System. It will guide you through the entire breadth of VSTS. If you are a stakeholder, you have a portal that gives you instant access to project documents, status, and performance indicators. If you are a project manager, you will learn how create, manage, and assess team performance. If you are a developer, you will learn how to write higher-quality code, and ensure that the code works and performs well.

For .NET Framework 3.5

Professional Team Foundation Server 2013

Essential LINQ

Designing and Architecting Solutions

Agile Software Engineering with Visual Studio

An example testing scenario is set up, and used as reference for exploring the testing features available in Visual Studio Team System 2008. This is a concise practical guide that will help you learn testing your software applications using Visual Studio Team System 2008 quickly, with lot of examples and clear explanations. It is packed with screenshots to aid your understanding of the process. This book is for Microsoft developers working with Visual Studio 2008

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who need to create a structured testing environment for their applications. No prior knowledge of testing is expected. The reader will need to be familiar with the standard Visual Studio 2008 environment, but anyone who has entered and compiled code in this environment before will easily follow what goes on. A team of Microsoft insiders shows programmers how to use Visual Studio 2005 Team System, the new suite of products from Microsoft that can be used for software modeling, design, testing, and deployment. Focuses on practical application of the tools on code samples, development scenarios, and automation scripting. This timely book serves as both as a step-by-step guide and as a reference for modeling, designing, and coordinating enterprise solutions at every level using Team System. The book begins with an overview of Team System and then offers nuts-and-bolts guidance on practical implementation. Code examples are provided in both VB.NET and C#. It is clear that Visual Studio Team System (VSTS) is the future of development from Microsoft's perspective. Development is no longer a personal pursuit by one developer in a darkened room; it is a collective effort by a team of peers. VSTS supports this broader vision by providing a complete collaboration platform for the entire project team. VSTS takes a services-oriented approach leveraging Windows SharePoint Services and SQL Server Business Intelligence Suite. Additionally, VSTS brings the life cycle to life by making it part of the integrated suite. For those seeking to use test-driven development, VSTS is the tool for you. If you're an architect, there is a new set of domain-specific modeling tools that makes it easy to visualize

systems, determine application relationships, and deploy into a logical datacenter. For testers, Microsoft's new suite of test tools provides a powerful web testing environment with virtually unlimited extensibility. In addition, the new load tools allow you to perform world-class scalability testing. Even if you are just considering adopting VSTS, Pro Visual Studio Team System with Team Edition for Database Professionals, Second Edition will provide you with a comprehensive overview. Furthermore, you will be able to dive deep into any area with detailed descriptions, samples, and walkthroughs. Roll up your sleeves and get ready for a new way of developing solutions! What you'll learn This book will guide you through the entire breadth of VSTS. If you are a stakeholder, you have a portal that gives you instant access to project documents, status, and performance indicators. If you are a project manager, you will learn how create, manage, and assess team performance. As VSTS is integrated with Microsoft Office, you can quickly assign tasks and gather work status. With reporting from the data warehouse, you get a real-time view of all project metrics. If you are a developer, you will learn how to write higher-quality code, and ensure that the code works and performs well. Who this book is for This book is for anyone with an interest in Visual Studio 2005 Team System. Whether you're an architect, developer, tester, or database professional implementing VSTS or just considering it, this book will provide you with the answers that you need.

Team Foundation Server is now for everyone! Team Foundation Server is an integral part of Microsoft's Application Lifecycle Management suite for managing

and delivering software projects. The 2013 update has opened up TFS for everyone by expanding capabilities to support iOS, MacOS, Android, and Java development. Professional Team Foundation Server 2013 covers the latest updates for Agile Project Management, Test-Case Management, Release Management, and shows new users the TFS workflow for managing and delivering products. The authors leverage their positions as MVP Microsoft insiders to guide you step-by-step through all things TFS, as well as help prepare you for the Team Foundation Server Certification Exam. Provides a broad overview of Team Foundation Server for developers, software project managers, testers, business analysts, and others wanting to learn how to use TFS Gives TFS administrators the tools they need to efficiently monitor and manage the TFS environment Covers core TFS functions including project management, work item tracking, version control, test case management, build automation, reporting Explains extensibility options and how to write extensions for TFS Helps certification candidates prepare for the Microsoft Team Foundation Server 2013 certification exam Professional Team Foundation Server 2013 is the ultimate guide to mastering this invaluable developer's tool.

Pro Visual Studio 2005 Team System Application Development

Pro ASP.NET 3.5 in C# 2008

Microsoft SharePoint 2013 Designing and Architecting Solutions

Pro Visual Studio Team System with Team Edition for Database Professionals

Professional Application Lifecycle Management with

Visual Studio 2013

Get the information you need to make good SharePoint design decisions Determine the best design for your SharePoint implementation by gaining a deeper understanding of how the platform works. Written by a team of SharePoint experts, this practical guide introduces the Microsoft SharePoint 2013 architecture, and walks you through design considerations for planning and building a custom SharePoint solution. It's ideal for IT professionals, whether or not you have experience with previous versions of SharePoint. Discover how to: Dive deeper into SharePoint 2013 architecture components Gather requirements for a solution that fits your needs Upgrade from Microsoft SharePoint 2010 to 2013 Design service applications for performance and redundancy Provide the right storage plan for a SharePoint farm Map authentication and authorization requirements to your solution Take steps necessary to design a secure implementation Plan your business continuity management strategy Validate

your SharePoint architecture to ensure success

Visual Studio 2005 Team System is a large and complex product, and is arguably the most sophisticated development environment that Microsoft has ever built. It has enormous potential to improve people's working lives by allowing them to draw together disparate tasks within a single reporting and testing structure. In order to do this people need a guide, and this book provides that guidance. It walks readers through a fictional scenario containing all the problems that Team System was built to remedy and shows how the product can be best applied to solve the problems of architects, developers, testers and project managers alike.

Build Web Services Better and Faster with RESTful Techniques and .NET Technologies Developers are rapidly discovering the power of REST to simplify the development of even the most sophisticated Web services—and today's .NET platform is packed with tools for effective REST development. Now, for the first time, there's a

complete, practical guide to building REST-based services with .NET development technologies. Long-time .NET and Web services developers and authors Kenn Scribner and Scott Seely explain why REST fits so smoothly into the Internet ecosystem, why RESTful services are so much easier to build, what it means to be RESTful, and how to identify behaviors that are not RESTful. Next, they review the core Internet standards and .NET technologies used to develop RESTful solutions and show exactly how to apply them on both the client and server side. Using detailed code examples, Scribner and Seely begin with simple ASP.NET techniques, and then introduce increasingly powerful options—including Windows Communication Foundation (WCF) and Microsoft's cloud computing initiative, Azure. Coverage includes • Accessing RESTful services from desktop applications, using Windows Forms and WPF • Supporting Web client operations using Silverlight 2.0, JavaScript, and other technologies • Understanding how IIS 7.0 processes HTTP requests and using that knowledge to build better

REST services • Constructing REST services based on traditional ASP.NET constructs • Utilizing the ASP.NET MVC Framework to implement RESTful services more effectively • Taking advantage of WCF 3.5's powerful REST-specific capabilities • Creating RESTful data views effortlessly with ADO.NET Data Services • Leveraging Microsoft's Azure cloud-computing platform to build innovative new services • Choosing the right .NET technology for each REST application or service

A comprehensive guide to using Microsoft Team Foundation Server 2012 Team Foundation Server has become the leading Microsoft productivity tool for software management, and this book covers what developers need to know to use it effectively. Fully revised for the new features of TFS 2012, it provides developers and software project managers with step-by-step instructions and even assists those who are studying for the TFS 2012 certification exam. You'll find a broad overview of TFS, thorough coverage of core functions, a look at extensibility options, and more, written by Microsoft

insiders and MVPs. An update of the leading Wrox book on Team Foundation Server, written by an expert team of Microsoft insiders and MVPs Provides a broad overview of Team Foundation Server for developers, software project managers, testers, business analysts, and others wanting to learn how to use TFS Offers administrators the necessary tools to efficiently monitor and manage the TFS environment Covers core TFS functions including project management, work item tracking, version control, test case management, build automation, reporting, and how to write extensions for TFS 2012 Professional Team Foundation Server 2012 builds on the proven Wrox Professional formula to give you a solid background in this software management tool. Beginning Build and Release Management with TFS 2017 and VSTS Microsoft Visual Studio 2010 Unleashed Professional Visual Studio 2005 Team System Software Testing with Visual Studio Team System 2008

Focus on coding with the new, improved, and powerful tools of VS 2017 Master improved debugging and unit testing support capabilities Accelerate cloud development with the built-in Azure tools Who This Book Is For .NET Developers who would like to master the new features of VS 2017, and would like to delve into newer areas such as cloud computing, would benefit from this book. Basic knowledge of previous versions of Visual Studio is assumed. What You Will Learn Learn what's new in the Visual Studio 2017 IDE, C# 7.0, and how it will help developers to improve their productivity Learn the workloads and components of the new installation wizard and how to use the online and offline installer Build stunning Windows apps using Windows Presentation Foundation (WPF) and Universal Windows Platform (UWP) tools Get familiar with .NET Core and learn how to build apps targeting this new framework Explore everything about NuGet packages Debug and test your applications using Visual Studio 2017 Accelerate cloud development with Microsoft Azure Integrate Visual Studio with most popular source control repositories, such as TFS and GitHub In Detail Visual Studio 2017 is the all-new IDE released by Microsoft for developers, targeting Microsoft and other platforms to build stunning Windows and web apps. Learning how to effectively use this technology can enhance your productivity while simplifying your most common tasks, allowing you more time to focus on your project. With this book, you will learn not only what VS2017 offers, but also what it takes to put it to work for your projects. Visual Studio 2017 is packed with improvements that increase productivity, and this book will get you started with the new features introduced in Visual Studio 2017 IDE and C# 7.0. Next, you will learn to use XAML tools to build classic WPF

apps, and UWP tools to build apps targeting Windows 10. Later, you will learn about .NET Core and then explore NuGet, the package manager for the Microsoft development platform. Then, you will familiarize yourself with the debugging and live unit testing techniques that comes with the IDE. Finally, you'll adapt Microsoft's implementation of cloud computing with Azure, and the Visual Studio integration with Source Control repositories. Style and approach This comprehensive guide covers the advanced features of Visual Studio 2017, and communicates them through a practical approach to explore the underlying concepts of how, when, and why to use it.

Visual Studio Team System (VSTS) gives Microsoft development teams a powerful, integrated toolset for Agile development. Visual Studio Team System: Better Software Development for Agile Teams is a comprehensive, start-to-finish guide to making the most of VSTS in real-world Agile environments. Using a book-length case study, the authors show how to use VSTS to improve every aspect of software development, step by step—from project planning through design and from coding through testing and deployment. Agile consultant Will Stott and Microsoft development lead James Newkirk carefully integrate theory and practice, offering hands-on exercises, practical insights into core Extreme Programming (XP) techniques, and much more. Coverage includes Using VSTS to support the transition to Agile values and techniques Forming Agile teams and building effective process frameworks Leveraging Team Foundation Version Control to help teams manage change and share their code effectively Implementing incremental builds and integration with Team Foundation Build Making the most of VSTS tools

for Test-Driven Development and refactoring Bringing agility into software modeling and using patterns to model solutions more effectively Using the FIT integrated testing framework to make sure customers are getting what they need Estimating, prioritizing, and planning Agile projects

You can have the best coders in the world working in your teams, but if your project management isn't up to scratch, your project is almost certain to be delayed, to come in over budget, and in some cases to fail entirely. By taking precise control of your application development process, you can make changes, both large and small, throughout your project's life cycle that will lead to better-quality finished products that are consistently delivered on time and within budget. Application lifecycle management (ALM) is an area of rapidly growing interest within the development community. Because its techniques allow you to deal with the process of developing applications across many areas of responsibility and across many different disciplines, its effects on your project can be wide ranging and pronounced. It is a project management tool that has practical implications for the whole team—from architects to designers, from developers to testers. This book focuses on the most powerful ALM tool available for the Microsoft .NET Framework: Visual Studio Team System (VSTS). It demonstrates the key concepts and techniques of ALM and illustrates how they can be achieved using the tools VSTS provides in a clear succinct style. After reading the book, you will understand how VSTS can be used to generate continuous meaningful reporting on your project's health for the decision makers on your team as well as for your project's sponsors.

“Charlie and Dinesh bring important skills to this project that

enable them to show how LINQ works and the practical ways you can use it in your daily development process.” From the Foreword by Anders Hejlsberg LINQ is one of Microsoft’s most exciting, powerful new development technologies. Essential LINQ is the first LINQ book written by leading members of Microsoft’s LINQ and C# teams. Writing for architects, developers, and development managers, these Microsoft insiders share their intimate understanding of LINQ, revealing new patterns and best practices for getting the most out of it. Calvert and Kulkarni begin by clearly explaining how LINQ resolves the long-time “impedance mismatch” between object-oriented code and relational databases. Next, they show how LINQ integrates querying into C# as a “first-class citizen.” Using realistic code examples, they show how LINQ provides a strongly typed, IntelliSense-aware technology for working with data from any source, including SQL databases, XML files, and generic data structures. Calvert and Kulkarni carefully explain LINQ’s transformative, composable, and declarative capabilities. By fully illuminating these three concepts, the authors allow developers to discover LINQ’s full power. In addition to covering core concepts and hands-on LINQ development in C# with LINQ to Objects, LINQ to XML, LINQ to SQL, and LINQ to Entities, they also present advanced topics and new LINQ implementations developed by the LINQ community. This book

- Explains the entire lifecycle of a LINQ project: design, development, debugging, and much more
- Teaches LINQ from both a practical and theoretical perspective
- Leverages C# language features that simplify LINQ development
- Offers developers powerful LINQ query expressions to perform virtually any data-related task
- Teaches how to query SQL databases for objects and how to

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modify those objects • Demonstrates effective use stored procedures and database functions with LINQ • Shows how to add business logic that reflects the specific requirements of your organization • Teaches developers to create, query, and transform XML data with LINQ • Shows how to transform object, relational, and XML data between each other • Offers best patterns and practices for writing robust, easy-to-maintain LINQ code

From Concept to Continuous Feedback

Professional Team Foundation Server

Effective REST Services via .NET

Professional Application Lifecycle Management with Visual Studio 2010

MSDN Magazine

As the most important component of Microsoft's Visual Studio(r) 2005 Team System, Team Foundation Server is the central integration point that provides a collaborative environment for every member of a team, regardless of role. Since Team Foundation Server is so tightly interwoven with the rest of Team System, the authors have decided to present you with an invaluable resource that covers both, so that you may learn to set up and administer Team Foundation Server in order to effectively use the whole Team System toolset effectively. Three Microsoft Team System MVPs cover how to plan a Team System deployment, complete a software project, and everything in between. They show you how to handle real-world challenges and tackle the tasks and scenarios

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that encompass the entire software development lifecycle. What you will learn from this book

- How to implement IT governance such as Sarbanes-Oxley
- How to work with mixed environments (including Java and .NET)
- How to set up the product for large distributed environments
- How and why to take multiple lifecycles into consideration when deploying and using Team System
- How to create custom development tools and administer and customize work items
- How to monitor your team project metrics using SQL Server Reporting Services

Who this book is for This book is for project managers, IT administrators, and anyone whose role consists of administering Team Foundation Server on a daily basis, running a software project, setting up users, or handling security. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

Ramp up your software development with this comprehensive resource Microsoft's Application Lifecycle Management (ALM) makes software development easier and now features support for iOS, MacOS, Android, and Java development. If you are an application developer, some of the important factors you

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undoubtedly consider in selecting development frameworks and tools include agility, seamless collaboration capabilities, flexibility, and ease of use. Microsoft's ALM suite of productivity tools includes new functionality and extensibility that are sure to grab your attention. Professional Application Lifecycle Management with Visual Studio 2013 provides in-depth coverage of these new capabilities. Authors Mickey Gousset, Martin Hinshelwood, Brian A. Randell, Brian Keller, and Martin Woodward are Visual Studio and ALM experts, and their hands-on approach makes adopting new ALM functionality easy. Streamline software design and deployment with Microsoft tools and methodologies Gain a practical overview of ALM with step-by-step guides and reference material Case studies illustrate specific functionality and provide in-depth instruction Use new capabilities to support iOS, MacOS, Android and Java development Discover this comprehensive solution for modeling, designing, and coordinating enterprise software deployments Over 100 pages of new content, forward-compatible with new product releases Professional Application Lifecycle Management with Visual Studio 2013 provides a complete framework for using ALM to streamline software design and deployment processes using well-developed Microsoft tools and methodologies. Professional Application Lifecycle Management with Visual Studio 2013 is your guide to make use of

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newly-available ALM features to take your enterprise software development to the next level.