Professional Software Testing Using Visual Studio 2017

Learning Software Testing with Test Studio is a practical, hands-on guide that will help you get started with Test Studio to design your automated solution and tests. All through the book, there are best practices and tips and tricks inside Test Studio which can be employed to improve your solution just like an experienced QA.If you are a beginner or a professional QA who is seeking a fast, clear, and direct to the point start in automated software testing inside Test Studio, this book is for you. You should be familiar with the .NET framework, mainly Visual Studio, C#, and SQL, as the book's examples rely on them. Prior testing knowledge will also be helpful. Learn to write automation test scripts using Selenium Web driver version 3.x and 2.x in java programming, java script, C#, python and run in Cucumber BDD feature files. Conduct experiment to write protractor-based Cucumber BDD framework in java script. Build TDD frameworks with the help of Testing, Visual Studio, Jenkins, Excel VBA, Selenium, HP UFT (formerly QTP), Ranorex, RFT and other wide-ranged QA testing tools. Design first Appium scripts after setting up the framework for mobile test automation. Build concurrent compatibility tests using Selenium Grid! Repeated interview questions are explained with justifications for Cucumber BDD, Selenium IDE, Selenium web driver and Selenium Grid.

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 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.

Software Testing with Visual Studio 2010

A Step-by-step Guide to Understanding the Features and Concepts of Testing Applications Using Visual Studio

Visual Test 6 Bible

Take your expertise to the next level by unraveling various techniques to customize TFS 2015 About This Book Learn how to efficiently modify your TFS-specific dashboards for complex server plugins Find out the pros and cons of various extension points and customizations in TFS A fast-paced guide with highly concentrated information on TFS customizations Who This Book Is For This book is intended for anyone with experience with TFS, and in particular, those intermediate users who want to add more value to their organization by making its TFS users more productive. The book requires basic coding skills. What You Will Learn Customize TFS 2015 dashboard and administer various components Configure board cards, swim lanes, and columns Explore the types of changes that can be made on the TFS process templates Create your own custom control for the Web and client work item forms Build up new check-in policies Get to grips with your personal server plugins and their uses Customize both XAML builds and the new build system Schedule jobs for more complicated business rules to run on a schedule Extend your TFS possibilities with service hooks and VSO extensions In Detail Team Foundation Server is an efficacious collaboration tools that will allow you to share code, track records, software, all in a single package. Integrate it with your existing IDE or editor and let your team work in a flexible environment that adapts to projects of all shapes and sizes. Explore what gives you the edge over other developers by knowing the tips and quick fixes of customizing TFS. Effectively minimize the time users spend interacting with TFS so that they can be more productive. In this book you will quickly cover lots of TFS extension points, from the very basic task of customizing and configuring dashboards to customizing automated builds and check-in policies. You will learn how to create dashboards in TFS 2015, as well as add tiles, graphs, and more useful modifications. You'll perform customizations that make TFS work for you by streamlining your team's boards. You'll cast modifications to the process template and learn the tips and tricks required to make efficient and valuable uses of your team's board. From team-specific dashboards to complex server plugins, everything is covered in this concentrated guide to aid your knowledge. Delving deep, this book covers the pros and cons of check-in policies, as well as their proper debugging and deployment strategies. After that you will learn about advanced XAML builds and TFS jobs to further experiment with the activities of your jobs on your system. Finally, you will learn about service hooks and the amazing utility of .VSO extensions to help you create new extensions and explore new levels of customization. Style and approach This is an easy-to-follow guide with clearly explained and demonstrated examples.

A step by step guide to understanding the features and concepts of testing applications using Visual Studio with this book and eBook.

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 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.
Revised Edition - Part 1
Software Testing with Visual Studio Team System 2008
Software Testing Using Visual Studio 2010

The new edition of the successful previous version is 25 percent revised and packed with more than 200 pages of new material on the 2008 release of SQL Server Integration Services (SSIS) Renowned author Brian Knight and his expert coauthors show developers how to master the 2008 release of SSIS, which is both more powerful and more complex than ever Case studies and tutorial examples acquired over the three years since the previous edition will contribute to helping illustrate advanced concepts and techniques New chapters include coverage of data warehousing using SSIS, new methods for managing the SSIS platform, and improved techniques for ETL operations

Automate the Testing of Your Software Development Projects Harness the power, flexibility, and new functionality of Visual Test 6 to enhance the effectiveness of your testing projects. Using concrete scenarios and detailed examples, leading Visual Test expert and veteran trainer Tom Arnold guides you through the entire test automation process — covering both the programming and project management skills needed to deliver high-quality Windows or Web-based software applications on schedule and within budget. Inside, you'll find complete coverage of Visual Test 6 Get a complete tour of Visual Test's IDE, toolbars, and utilities Take full command of Test Language's constructs, functions, and procedures Jump-start your test automation process with the Scenario Recorder Use the Visual Test Suite Manager to organize and execute programs Master file input/output, pointers, callback functions, and links to Windows APIs Learn about Visual Test-based monkey programs for testing your applications Use Microsoft Internet Explorer 4.0 to test HTML documents Find out how to test software across a network "A 'must have' for anyone wanting to get started quickly with Rational Visual Test." — Ed Humphrey, Product Manager, Rational Visual Test "The definitive reference for Visual Test!" — Jeff Cope, Systems Engineer, Compaq Corporation Source code for all the examples from the book included on CD-ROM, plus: Video interviews with industry experts Dr. Cem Kaner and James Bach about software test automation RealPlayer 5.0 — to watch the video interviews Richard Wartner's online Visual Test book ST Labs technical white papers and Test Now 2.0 add-on tool Evaluation copies of tools from TeamShare, Translation Craft, Seapine Software, and Soffront Software Links to some of the best Visual Test sites on the Web The complete electronic version of the book Shareware programs are fully functional, free trial versions of copyrighted programs. If you like particular programs, register with their authors for a nominal fee and receive licenses, enhanced versions, and technical support. Freeware programs are free, copyrighted games, applications, and utilities. You can copy them to as many PCs as you like—free—but they have no technical support. www.idgbooks.com System Requirements: Windows 95; Windows 98; Windows NT 4.0

The authoritative and timely guide to ALM from Microsoft insiders and MVPs Focused on the latest release of Visual Studio, this edition shows you how to use the Application Lifecycle Management (ALM) capabilities of Visual Studio 2012 to streamline software design, development, and testing. Divided into six main parts, this timely and authoritative title covers Team Foundation Server, stakeholder engagement, project management, architecture, software development, and testing. Whether serving as a step-by-step guide or a reference for designing software solutions, this book offers a nuts-and-bolts approach to using Microsoft's flagship development tools to solve real-world challenges throughout the application lifecycle. Coverage includes: INTRODUCTION TO APPLICATION LIFECYCLE MANAGEMENT WITH VISUAL STUDIO INTRODUCTION TO TEAM FOUNDATION SERVER TEAM FOUNDATION VERSION CONTROL TEAM FOUNDATION BUILD COMMON TEAM FOUNDATION SERVER INTRODUCTION TO BUILDING STORYBOARDING CAPTURING STAKEHOLDER FEEDBACK AGILE PLANNING AND TRACKING INTRODUCTION TO SOFTWARE ARCHITECTURE TOP-DOWN DESIGN WITH USE CASE ANALYZING APPLICATIONS USING USING LAYER DIAGRAMS TO MODEL INTRODUCTION TO SOFTWARE DEVELOPMENT UNIT TESTING CODE ANALYSIS, CODE METRICS PROFILING AND PERFORMANCE DEBUGGING WITH INTELLITRACE INTRODUCTION TO SOFTWARE TESTING MANUAL TESTING CODED USER INTERFACE TESTING WEB PERFORMANCE AND LOAD TESTING LAB MANAGEMENT Professional Application Lifecycle Management with Visual Studio 2012 offers a thoroughly revised and updated edition of the leading reference book on ALM.

Professional Application Lifecycle Management with Visual Studio 2010

Tools for Software Developers and Test Engineers

Network World

The complete guide to the productivity and performance enhancements in ASP.NET Beginning ASP.NET for Visual Studio 2015 is your ultimate guide to the latest upgrade of this historically popular framework. Fully updated to align with the vNext release, this new edition walks you through the new tools and features that make your workflow smoother and your applications stronger. You'll get up to speed on the productivity and performance improvements, and learn how Microsoft has committed itself to more continuous innovation by increasing its release cadence for all products and services going forward. Coverage includes Async-aware debugging, ADO.NET idle connection resiliency, managed return value inspection, ASP.NET app suspension, on-demand large object heap compaction, multi-core JIT and more. The news of an off-cycle update to ASP.NET came as a surprise, but its announcement garnered cheers at the 2014 Microsoft BUILD conference. This guide shows you what all the fuss is about, and how Microsoft overhauled the latest ASP.NET release. Get acquainted with the new developer productivity features Master the new tools that build better applications Discover what's new in Windows Store app development Learn how Microsoft fixed the issues that kept you from v5 Over 38 million websites are currently using ASP.NET, and the new upgrade is already leading to increased adoption. Programmers need to master v6 to remain relevant as web development moves forward. Beginning ASP.NET for

Visual Studio 2015 walks you through the details, and shows you what you need to know so you can get up and running quickly.
The goal of Visual Basic for Testers is to teach you how to use Visual Basic to increase your level of sophistication as a tester. You'll learn how to use VB to write an automated testing project and what to look for in a well-written VB program. Author Mary Sweeney will help you gain the experience necessary both to use VB to support an automated text project and to text a commercial application written in VB. Since testers often want to move to development tracks, Sweeney also presents information on programming and the issues involved in maintenance and debugging.
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.
A Tester's Guide to .NET Programming
InfoWorld
Beginning ASP.NET for Visual Studio 2015
InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.
For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.
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.
Professional Application Lifecycle Management with Visual Studio 2012
Principles, Applications, Techniques, and Practices
Instant Approach to Software Testing
*Unlike its competitors, focuses solely on applied programming techniques for testers *Will appeal to both developers and testers alike; already popularized in classrooms worldwide for three years *Testing market is growing as more business adopt .NET technologies*
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.
For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.
Computerworld
Team Foundation Server 2015 Customization
Professional Application Lifecycle Management with Visual Studio® 2010
This book starts with basic understanding of different types of tests. It then goes about explaining several examples with a step-by-step approach to master concepts and the features needed to help the reader understand testing clearly.If you are a developer, a software tester, or an architect who wishes to master the amazing range of features offered by the Visual Studio 2010 for testing your software applications before going live - then this book is for you. This book assumes that you have a basic knowledge of testing software applications and have good work experience of using Visual Studio IDE.
One-stop Guide to software testing types, software errors, and planning process DESCRIPTION Software testing is conducted to assist testers with information to improvise the quality of the product under testing. The book primarily aims to present testing concepts, principles, practices, methods cum approaches used in practice. The book will help the readers to learn and detect faults in software before delivering it to the end user. The book is a judicious mix of software testing concepts, principles, methodologies, and tools to undertake a professional course in software testing. The book will be a useful resource for students, academicians, industry experts, and software architects to learn artefacts of testing. Book discuss

the foundation and primary aspects connected to the world of software testing, then it discusses the levels, types and terminologies associated with software testing. In the further chapters it will gives a comprehensive overview of software errors faced in software testing as well as various techniques for error detection, then the test case development and security testing. In the last section of the book discusses the defect tracking, test reports, software automation testing using the Selenium tool and then ISO/IEEE-based software testing standards. KEY FEATURES Presents a comprehensive investigation about the software testing approach in terms of techniques, tools and standards Highlights test case development and defect tracking In-depth coverage of test reports development Covers the Selenium testing tool in detail Comprehensively covers IEEE/ISO/IEC software testing standards WHAT WILL YOU LEARN With this book, the readers will be able to learn: Taxonomy, principles and concepts connected to software testing. Software errors, defect tracking, and the entire testing process to create quality products. Generate test cases and reports for detecting errors, bugs, and faults. Automation testing using the Selenium testing tool. Software testing standards as per IEEE/ISO/IEC to conduct standard and quality testing. WHO THIS BOOK IS FOR The readers should have a basic understanding of software engineering concepts, object-oriented programming and basic programming fundamentals. Table of Contents 1. Introduction to Software Testing 2. Software Testing Levels, Types, Terms, and Definitions 3. Software Errors 4. Test Planning Process (According to IEEE standard 829) 5. Test Case Development 6. Defect Tracking 7. Types of Test Reports 8. Software Test Automation 9. Understanding the Software Testing Standards

It may surprise you to learn that Microsoft employs as many software testers as developers. Less surprising is the emphasis the company places on the testing discipline—and its role in managing quality across a diverse, 150+ product portfolio. This book—written by three of Microsoft's most prominent test professionals—shares the best practices, tools, and systems used by the company's 9,000-strong corps of testers. Learn how your colleagues at Microsoft design and manage testing, their approach to training and career development, and what challenges they see ahead. Most important, you'll get practical insights you can apply for better results in your organization. Discover how to: Design effective tests and run them throughout the product lifecycle Minimize cost and risk with functional tests, and know when to apply structural techniques Measure code complexity to identify bugs and potential maintenance issues Use models to generate test cases, surface unexpected application behavior, and manage risk Know when to employ automated tests, design them for long-term use, and plug into an automation infrastructure Review the hallmarks of great testers—and the tools they use to run tests, probe systems, and track progress efficiently Explore the challenges of testing services vs. shrink-wrapped software

Learning Software Testing with Test Studio

Professional Microsoft SQL Server 2008 Integration Services

Visual Basic for Testers

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

Software Automation Testing Secrets Revealed

Professional Software Testing with Visual Studio 2005 Team System

How We Test Software at Microsoft