

DEBUGGING ASP NET

DEBUGGING ASP NET DEBUGGING ASPNET A COMPREHENSIVE GUIDE TO FINDING AND FIXING ERRORS

DEBUGGING ASPNET APPLICATIONS CAN FEEL LIKE A WILD GOOSE CHASE AT TIMES BUT WITH THE RIGHT TOOLS AND TECHNIQUES YOU CAN TURN THOSE FRUSTRATING ERROR MESSAGES INTO A PATH TOWARDS A SMOOTH RUNNING APPLICATION THIS COMPREHENSIVE GUIDE WILL EQUIP YOU WITH THE KNOWLEDGE AND STRATEGIES TO CONFIDENTLY DEBUG ASPNET FROM BASIC TROUBLESHOOTING TO ADVANCED DEBUGGING TECHNIQUES

UNDERSTANDING THE BASICS WHAT TO LOOK FOR BEFORE DIVING INTO DEBUGGING LETS LAY DOWN SOME FUNDAMENTAL CONCEPTS ASPNET APPLICATIONS ARE BUILT ON A FOUNDATION OF CODE CONFIGURATION FILES AND DATABASES ALL WORKING TOGETHER TO DELIVER DYNAMIC CONTENT TO YOUR USERS THIS INTRICATE WEB OF COMPONENTS IS WHAT MAKES DEBUGGING A BIT MORE COMPLEX THAN SIMPLY LOOKING AT A SINGLE LINE OF CODE

COMMON ASPNET ERROR TYPES HERES A BREAKDOWN OF SOME COMMON ASPNET ERROR TYPES

SYNTAX ERRORS THESE ARE THE SIMPLEST AND MOST COMMON ERRORS OFTEN CAUSED BY TYPOS OR INCORRECT USE OF KEYWORDS

RUNTIME ERRORS THESE ERRORS OCCUR WHILE THE APPLICATION IS RUNNING AND CAN BE CAUSED BY ISSUES LIKE MISSING FILES DATABASE CONNECTION PROBLEMS OR LOGIC ERRORS

LOGIC ERRORS THESE ARE THE TRICKIEST TO CATCH BECAUSE THEY DONT NECESSARILY CRASH YOUR APPLICATION BUT PRODUCE UNEXPECTED RESULTS THEY OFTEN STEM FROM INCORRECT CALCULATIONS CONDITIONAL STATEMENTS OR FAULTY LOOPS

DEBUGGING TOOLS YOUR WEAPON OF CHOICE ASPNET COMES EQUIPPED WITH A POWERFUL ARSENAL OF DEBUGGING TOOLS THAT CAN HELP YOU PINPOINT THE ROOT CAUSE OF ANY ERROR HERE ARE SOME OF THE MOST IMPORTANT TOOLS YOU SHOULD FAMILIARIZE YOURSELF WITH

- 1 VISUAL STUDIO DEBUGGER BREAKPOINTS INSERT BREAKPOINTS IN YOUR CODE TO PAUSE EXECUTION AT SPECIFIC LINES ALLOWING YOU TO EXAMINE THE STATE OF YOUR VARIABLES AND EXECUTION FLOW
- 2 WATCH WINDOW USE THE WATCH WINDOW TO MONITOR THE VALUES OF VARIABLES AND EXPRESSIONS AS YOU STEP THROUGH YOUR CODE
- CALL STACK THE CALL STACK SHOWS THE SEQUENCE OF FUNCTIONS THAT WERE CALLED TO REACH THE CURRENT POINT IN YOUR CODE THIS HELPS TRACE THE EXECUTION PATH AND UNDERSTAND HOW VARIABLES ARE BEING PASSED AROUND

2 ASPNET TRACING TRACING ENABLES TURN ON TRACING IN YOUR WEBCONFIG FILE TO LOG VALUABLE INFORMATION ABOUT APPLICATION EVENTS SUCH AS REQUESTS RESPONSES AND ERRORS

TRACE LOGS ANALYZE TRACE LOGS TO UNDERSTAND THE FLOW OF EVENTS IN YOUR APPLICATION IDENTIFY POTENTIAL BOTTLENECKS AND TRACK DOWN ERRORS

3 WEBCONFIG FILE ERROR HANDLING THE WEBCONFIG FILE IS YOUR CONFIGURATION HUB YOU CAN CUSTOMIZE ERROR HANDLING BEHAVIOR ENABLING DETAILED ERROR MESSAGES FOR DEBUGGING AND SETTING CUSTOM ERROR PAGES FOR A MORE USERFRIENDLY EXPERIENCE

CONFIGURATION SETTINGS INSPECT YOUR WEBCONFIG FILE FOR SETTINGS THAT COULD BE CONTRIBUTING TO THE ISSUE SUCH AS CONNECTION STRINGS FILE PATHS AND APPLICATION SETTINGS

EFFECTIVE DEBUGGING STRATEGIES

- 1 ISOLATE THE ISSUE BEFORE DIVING INTO THE CODE NARROW DOWN THE PROBLEM IDENTIFY THE SPECIFIC SECTION OF YOUR APPLICATION WHERE THE ERROR IS OCCURRING THIS COULD BE A PARTICULAR PAGE MODULE OR FEATURE
- 2 READ THE ERROR MESSAGES ERROR MESSAGES ARE YOUR CLUES CAREFULLY READ THE ERROR MESSAGE NOTING THE SPECIFIC EXCEPTION TYPE LINE NUMBER AND ANY ADDITIONAL DETAILS PROVIDED
- 3 USE THE DEBUGGER EFFECTIVELY BREAKPOINTS ARE YOUR BEST FRIEND USE THEM TO PAUSE EXECUTION AT KEY POINTS IN YOUR CODE ALLOWING YOU TO STEP THROUGH THE LOGIC AND EXAMINE THE VALUES OF VARIABLES PAY CLOSE ATTENTION TO THE CALL STACK TO TRACE THE

EXECUTION PATH 4 CHECK LOGS TRACING PROVIDES VALUABLE INFORMATION ABOUT YOUR APPLICATIONS BEHAVIOR REVIEW TRACE LOGS FOR ANY SUSPICIOUS EVENTS OR ERRORS THAT COULD BE RELATED TO YOUR PROBLEM 5 TEST INCREMENTALLY IF YOU'RE MAKING CHANGES TO FIX AN ISSUE TEST YOUR CHANGES ONE AT A TIME TO ISOLATE THE SOURCE OF ANY FURTHER PROBLEMS TROUBLESHOOTING COMMON ASP.NET ERRORS NULLREFERENCEEXCEPTION THIS ERROR OCCURS WHEN YOU TRY TO ACCESS A VARIABLE THAT HAS NO VALUE 3 ASSIGNED TO IT USE THE DEBUGGER TO TRACK DOWN THE VARIABLE THAT'S NULL AND ENSURE IT'S PROPERLY INITIALIZED DATABASE CONNECTION ERRORS CHECK YOUR WEBCONFIG FOR CORRECT CONNECTION STRINGS VERIFY DATABASE CREDENTIALS SERVER CONNECTIVITY AND THE AVAILABILITY OF THE DATABASE 404 NOT FOUND ERRORS THIS INDICATES THAT THE REQUESTED RESOURCE PAGE FILE OR API ENDPOINT IS NOT FOUND CHECK THE URL YOU ARE TRYING TO ACCESS MAKE SURE THE REQUESTED RESOURCE EXISTS AND VERIFY FILE PATHS IN YOUR APPLICATION 500 INTERNAL SERVER ERRORS THIS IS A GENERAL ERROR INDICATING AN ISSUE WITHIN YOUR APPLICATION REFER TO THE ERROR MESSAGE AND USE THE DEBUGGER AND TRACE LOGS TO IDENTIFY THE ROOT CAUSE BEYOND THE BASICS ADVANCED DEBUGGING TECHNIQUES REMOTE DEBUGGING IF YOU ARE WORKING ON A WEB APPLICATION DEPLOYED TO A REMOTE SERVER YOU CAN USE REMOTE DEBUGGING TOOLS TO CONNECT TO THE SERVER AND DEBUG YOUR CODE IN REALTIME PERFORMANCE PROFILING TOOLS LIKE VISUAL STUDIO PROFILER HELP IDENTIFY PERFORMANCE BOTTLENECKS WITHIN YOUR CODE ENABLING YOU TO OPTIMIZE FOR FASTER EXECUTION AND BETTER USER EXPERIENCE UNIT TESTING WRITE UNIT TESTS TO ENSURE THAT INDIVIDUAL COMPONENTS OF YOUR CODE ARE FUNCTIONING CORRECTLY THIS HELPS CATCH ERRORS EARLY IN THE DEVELOPMENT PROCESS CONCLUSION DEBUGGING ASP.NET APPLICATIONS CAN BE A CHALLENGING YET REWARDING PROCESS BY UNDERSTANDING THE BASICS UTILIZING THE AVAILABLE TOOLS AND APPLYING EFFECTIVE DEBUGGING STRATEGIES YOU CAN CONFIDENTLY TROUBLESHOOT ERRORS AND BUILD ROBUST HIGHPERFORMING WEB APPLICATIONS REMEMBER TO BE PATIENT PERSISTENT AND DON'T BE AFRAID TO ASK FOR HELP IF YOU GET STUCK THE ASP.NET COMMUNITY IS VAST AND SUPPORTIVE AND THERE ARE COUNTLESS RESOURCES AVAILABLE TO HELP YOU OVERCOME ANY DEBUGGING OBSTACLE FAQs 1 WHAT IS THE DIFFERENCE BETWEEN DEBUGGING AND TESTING DEBUGGING FOCUSES ON FINDING AND FIXING SPECIFIC ERRORS IN YOUR CODE TESTING ON THE OTHER HAND IS ABOUT VERIFYING THAT YOUR APPLICATION MEETS ITS INTENDED FUNCTIONALITY AND SPECIFICATIONS 2 HOW CAN I IMPROVE THE PERFORMANCE OF MY ASP.NET APPLICATION PERFORMANCE OPTIMIZATION INVOLVES IDENTIFYING AND ADDRESSING BOTTLENECKS USING CACHING TECHNIQUES OPTIMIZING DATABASE QUERIES AND MINIMIZING NETWORK REQUESTS 3 CAN I USE A THIRDPARTY DEBUGGING TOOL FOR ASP.NET YES THERE ARE MANY THIRDPARTY TOOLS AVAILABLE THAT CAN ENHANCE YOUR DEBUGGING EXPERIENCE OFFERING ADVANCED FEATURES AND 4 INSIGHTS 4 WHAT ARE SOME BEST PRACTICES FOR WRITING CODE THAT IS EASIER TO DEBUG USE MEANINGFUL VARIABLE NAMES WRITE CLEAR AND CONCISE CODE BREAK DOWN COMPLEX TASKS INTO SMALLER FUNCTIONS AND USE COMMENTS TO EXPLAIN YOUR LOGIC 5 WHERE CAN I FIND MORE INFORMATION ABOUT ASP.NET DEBUGGING THE OFFICIAL ASP.NET DOCUMENTATION ONLINE FORUMS AND DEVELOPER COMMUNITIES ARE EXCELLENT SOURCES OF INFORMATION AND SUPPORT

DEBUGGING ASP.NET CHRISTOPHER LAYER ESQ COMPREHENSIVE VB .NET DEBUGGING C# WEB DEVELOPMENT WITH ASP.NET ASP.NET DEBUGGING MICROSOFT® .NET 2.0 APPLICATIONS MICROSOFT VISUAL C# 2005 UNLEASHED MICROSOFT ASP.NET STEP BY STEP PRACTICAL DEBUGGING FOR .NET DEVELOPERS DEBUGGING APPLICATIONS FOR MICROSOFT .NET AND MICROSOFT WINDOWS PROGRAMMING ASP.NET FOR ARCGIS SERVER VISUAL BASIC .NET XML WEB SERVICES DEVELOPER'S GUIDE PROGRAMMING MICROSOFT ASP.NET 2.0 CORE REFERENCE ASP.NET IN A NUTSHELL ASP.NET PROFESSIONAL SECRETS ADVANCED C# PROGRAMMING ASP.NET WEB DEVELOPMENT WITH MACROMEDIA

DREAMWEAVER MX 2004.NET WEB SERVICES FOR DUMMIES VISUAL STUDIO VISUAL BASIC.NET WEEKEND CRASH COURSE JONATHAN GOODYEAR MARK PEARCE JOSE MOJICA SCOTT MITCHELL JOHN ROBBINS KEVIN HOFFMAN G. ANDREW DUTHIE MICHAEL SHPILT JOHN ROBBINS VINCENT ZHUANG ROGER JENNINGS DINO ESPOSITO G. ANDREW DUTHIE BILL EVJEN PAUL KIMMEL COSTAS HADJISOTIRIOU ANTHONY T. MANN PRIYANKA AGARWAL RICHARD MANSFIELD

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GOODYEAR BRINGS CONSIDERABLE EXPERTISE FROM HIS WEB SITE CONSULTING WORK FOR SUCH NOTABLE CLIENTS AS PRICEWATERHOUSE COOPERS ARTHUR ANDERSEN AND THE HOME SHOPPING NETWORK HE FILLS AN INFORMATION VOID BY COVERING DEBUGGING FOR EITHER ASP OR ASP.NET BY RELATING NUMEROUS EXAMPLES OF REAL WORLD PROBLEMS ENCOUNTERED AND THEIR CODING SOLUTIONS THIS CONTENT WILL SAVE PROGRAMMERS MANY HOURS AND DOLLARS

THIS BOOK IS ABOUT FINDING UNDERSTANDING FIXING AND PREFERABLY PREVENTING BUGS WHEN CREATING DESKTOP NETWORK AND APPLICATIONS WITH VISUAL BASIC VB.NET IT EXPLORES THE POWER OF THE NEW CROSS LANGUAGE AND CROSS COMPONENT DEBUGGING TOOLS AND SHOWS YOU HOW TO DIG DOWN INTO OR TUNNEL ACROSS YOUR ENTIRE APPLICATION TO FIND BUGS AT WHATEVER LEVEL THEY LIVE WITH THE ARRIVAL OF VB.NET MANY OF THE OLD DEBUGGING RULES HAVE CHANGED THIS MEANS THAT SOME OMINOUS STORM CLOUDS ARE GATHERING ON THE HORIZON WELL TOTO WE'RE NOT IN KANSAS ANYMORE BACK IN THE PERSONAL COMPUTING DARK AGES DURING A PERIOD WHEN MEN WERE MEN AND CODE WAS WRITTEN IN BLOOD IT TOOK SOME SERIOUSLY HARD CORE WORK TO CREATE A VIABLE AND STABLE WINDOWS APPLICATION WINDOWS ITSELF WAS STILL RELATIVELY IMMATURE AND WAS BEING HELD BACK BECAUSE OF THE LACK OF SIMPLE TOOLS AVAILABLE FOR PRODUCING PROGRAMS THEN IN 1991 VISUAL BASIC 1.0 AND ITS SUCCESSORS HENCEFORTH COLLECTIVELY REFERRED TO AS VB CLASSIC CAME RIDING TO THE RESCUE AND CHANGED THE SOFTWARE DEVELOPMENT WORLD IN A DRAMATIC WAY

LEARN MICROSOFT'S NEW C# LANGUAGE WITH THIS HIGHLY VISUAL AND ACCESSIBLE TASK BASED GUIDE TASK BASED VISUAL STEP BY STEP GUIDE TO LEARNING C# THIS IS IDEAL AS AN INTRODUCTORY GUIDE FOR BEGINNERS OR AS A HANDY REFERENCE FOR MORE EXPERIENCED C# PROGRAMMERS

CD ROM CONTAINS MICROSOFT'S .NET FRAMEWORK SDK BETA 2 INTERNET EXPLORER 5.5

DEBUGGING TUNING TESTING .NET 2.0 APPLICATIONS DEALS WITH COMPUTERS SOFTWARE

SETTING THE STANDARD FOR A PREMIUM C REFERENCE MICROSOFT VISUAL C 2005 UNLEASHED PROVIDES PRACTICAL EXAMPLES FOR VIRTUALLY EVERY ASPECT OF THE C PROGRAMMING LANGUAGE THE BOOK IS STRUCTURED FOR PROGRESSIVE LEARNING SO IT CAN BE READ COVER TO COVER OR USED AS A COMPREHENSIVE REFERENCE GUIDE YOU WILL BE EXPOSED TO EVERYTHING FROM LOW LEVEL INFORMATION ON THE GARBAGE COLLECTOR TO ADVANCED CONCEPTS SUCH AS CREATING APPLICATIONS THAT USE ENTERPRISE SERVICES CREATING SERVICES AND EVEN ADVANCED WINDOWS GUI CHAPTERS INCLUDE EXPRESSIONS AND CONTROL STRUCTURES UI CONTROLS CODE ACCESS SECURITY REMOTING PEER TO PEER APPLICATIONS

THIS SOFTWARE WILL ENABLE THE USER TO LEARN ABOUT MICROSOFT ASP NET

THE ABILITY TO SOLVE DIFFICULT PROBLEMS IS WHAT MAKES A GOOD ENGINEER GREAT THIS BOOK TEACHES TECHNIQUES AND TOOLS FOR DEVELOPERS TO TACKLE EVEN THE MOST PERSISTENT BUGS YOU LL FIND THAT TOUGH ISSUES CAN BE MADE SIMPLE WITH THE RIGHT KNOWLEDGE TOOLS AND PRACTICES PRACTICAL DEBUGGING FOR NET DEVELOPERS WILL TRANSFORM YOU INTO THE GUY OR GAL WHO EVERYONE TURNS TO FOR HELP ISSUES COVERED INCLUDE NET CORE C MEMORY LEAKS PERFORMANCE PROBLEMS ASP NET PERFORMANCE COUNTERS ETW EVENTS PRODUCTION DEBUGGING MEMORY PRESSURE VISUAL STUDIO HANGS PROFILING DEADLOCKS CRASHES MEMORY DUMPS AND AZURE DISCOVER THE BEST TOOLS IN THE INDUSTRY TO DIAGNOSE AND FIX PROBLEMS LEARN ADVANCED DEBUGGING TECHNIQUES WITH VISUAL STUDIO FIX MEMORY LEAKS AND MEMORY PRESSURE ISSUES DETECT PROFILE AND FIX PERFORMANCE PROBLEMS FIND THE ROOT CAUSE OF CRASHES AND HANGS DEBUG PRODUCTION CODE AND THIRD PARTY CODE ANALYZE ASP NET APPLICATIONS FOR SLOW PERFORMANCE FAILED REQUESTS AND HANGS USE DUMP FILES PERFORMANCE COUNTERS AND ETW EVENTS TO INVESTIGATE WHAT HAPPENS UNDER THE HOOD TROUBLESHOOT CLOUD ENVIRONMENTS INCLUDING AZURE VMS AND APP SERVICES CODE SAMPLES IN C COVERING NET CORE NET FRAMEWORK WINDOWS AND LINUX

YOU GET HUGE DEVELOPMENT ADVANTAGES WITH MICROSOFT VISUAL STUDIO NET 2003 BUT YOU NEED A NEW BAG OF DEBUGGING TRICKS TO TAKE FULL ADVANTAGE OF THEM IN TODAY S NET AND WIN32 DEVELOPMENT WORLDS LEARN LETHALLY EFFECTIVE REAL WORLD APPLICATION DEBUGGING TECHNIQUES FOR NET FRAMEWORK 1 1 AND WINDOWS WITH THIS FULLY UPDATED PROGRAMMING GUIDE DEBUGGING EXPERT JOHN ROBBINS EXPANDS THE FIRST EDITION OF HIS CLASSIC DEBUGGING BOOK WITH ALL NEW SCENARIOS AND BUG KILLING TOOLS TIPS AND TECHNIQUES YOU LL SEE EVERY NET AND WINDOWS DEBUGGING SCENARIO HERE FROM XML SERVICES AND MICROSOFT ASP NET TO WINDOWS SERVICES AND EXCEPTIONS ALONG WITH JOHN S EXPERT GUIDANCE YOU GET MORE THAN 6 MB OF HIS BATTLE TESTED SOURCE CODE FOR THE TOOLS AND TACTICS YOU NEED TO SHIP BETTER SOFTWARE FASTER TOPICS COVERED INCLUDE WHERE BUGS COME FROM AND HOW TO THINK ABOUT SOLVING THEM DEBUGGING DURING CODING OPERATING SYSTEM DEBUGGING SUPPORT AND HOW WIN32 DEBUGGERS WORK ADVANCED DEBUGGER USAGE AND NET DEBUGGING WITH VISUAL STUDIO NET ADVANCED NATIVE CODE TECHNIQUES WITH VISUAL STUDIO NET AND WINDBG EXTENDING THE VISUAL STUDIO NET INTEGRATED DEVELOPMENT ENVIRONMENT MANAGED EXCEPTION MONITORING FLOW TRACING AND PERFORMANCE FINDING SOURCE AND LINE INFORMATION WITH JUST A CRASH ADDRESS CRASH HANDLERS DEBUGGING WINDOWS SERVICES AND DLLS THAT LOAD INTO SERVICES MULTITHREADED DEADLOCKS AUTOMATED TESTING THE DEBUG C RUN TIME LIBRARY A HIGH PERFORMANCE TRACING TOOL FOR SERVER APPLICATIONS SMOOTHING THE WORKING SET APPENDIXES READING DR WATSON LOG FILES PLUS RESOURCES FOR NET AND WINDOWS DEVELOPERS CD ROM FEATURES 6 MB OF PROFESSIONAL LEVEL SOURCE CODE SAMPLES WRITTEN IN MICROSOFT VISUAL C VISUAL C AND VISUAL BASIC NET

DEBUGGING TOOLS FOR WINDOWS MICROSOFT .NET FRAMEWORK 1.1 SDK WINDOWS APPLICATION COMPATIBILITY TOOLKIT ACT A NOTE REGARDING THE CD OR DVD THE PRINT VERSION OF THIS BOOK SHIPS WITH A CD OR DVD FOR THOSE CUSTOMERS PURCHASING ONE OF THE DIGITAL FORMATS IN WHICH THIS BOOK IS AVAILABLE WE ARE PLEASED TO OFFER THE CD/DVD CONTENT AS A FREE DOWNLOAD VIA O'REILLY MEDIA'S DIGITAL DISTRIBUTION SERVICES TO DOWNLOAD THIS CONTENT PLEASE VISIT O'REILLY'S WEB SITE SEARCH FOR THE TITLE OF THIS BOOK TO FIND ITS CATALOG PAGE AND CLICK ON THE LINK BELOW THE COVER IMAGE EXAMPLES COMPANION CONTENT OR PRACTICE FILES NOTE THAT WHILE WE PROVIDE AS MUCH OF THE MEDIA CONTENT AS WE ARE ABLE VIA FREE DOWNLOAD WE ARE SOMETIMES LIMITED BY LICENSING RESTRICTIONS PLEASE DIRECT ANY QUESTIONS OR CONCERNS TO [BOOKTECH.OREILLY.COM](http://booktech.oreilly.com)

ACQUIRE ALL THE PRACTICAL INFORMATION NEEDED TO DEVELOP ASP.NET APPLICATIONS FOR ARCGIS SERVER IN THIS STRAIGHTFORWARD EASY TO FOLLOW PROGRAMMING GUIDE PROGRAMMING ASP.NET FOR ARCGIS SERVER PROVIDES A SOLID INTRODUCTION TO ARCGIS SERVER AND PROGRESSES INTO COVERAGE OF A VARIETY OF PRACTICAL APPLICATIONS THE LATEST TOPICS IN GIS ARE ADDRESSED INCLUDING GIS WEB APPLICATIONS GIS WEB SERVICES AND WIRELESS GIS APPLICATIONS FOR MOBILE DEVICES SUCH AS PDAS AND CELLULAR PHONES IDEAL FOR PROGRAMMERS AND GIS PROFESSIONALS ALIKE THIS INNOVATIVE BOOK OFFERS FUNCTIONAL COVERAGE OF THE SOFTWARE UPDATED TO ITS LATEST RELEASE IMPORTANT NOTICE MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION

THIS IS A HANDS ON RESOURCE FOR VISUAL BASIC .NET DEVELOPERS LOOKING TO CREATE ROBUST XML SERVICES

BUILD YOUR EXPERTISE AS YOU MOVE BEYOND THE BASICS AND DELVE INTO THE CORE TOPICS OF PROGRAMMING WITH ASP.NET 2.0 USEFUL TO BOTH EXPERIENCED DEVELOPERS AND THOSE DEVELOPING NEW SKILLS THIS ULTIMATE REFERENCE IS PACKED WITH EXPERT GUIDANCE HANDS ON PROGRAMMING INSTRUCTION AND PRACTICAL EXAMPLES TO HELP YOU ADVANCE YOUR MASTERY OF DEVELOPING APPLICATIONS FOR THE DISCOVER HOW TO AUTHOR RICH VISUALLY CONSISTENT PAGES AND MANAGE LAYOUT WITH THEMES AND MASTER PAGES CREATE PERSONALIZED PAGES THAT PERSIST USER PREFERENCES RETRIEVE MODIFY AND MANAGE DATA WITH MICROSOFT ADO.NET CONFIGURE THE HTTP PIPELINE TO SERVE ASP.NET 2.0 PAGES CONTROL PROGRAM FLOW BY TRACING AND HANDLING EXCEPTIONS DESIGN CACHING LAYERS AND LEARN STATE MANAGEMENT TECHNIQUES TO OPTIMIZE APPLICATION PERFORMANCE MANAGE USERS WITH MEMBERSHIP CONTROL REGISTRATION AND AUTHENTICATION CAPABILITIES BUILD REAL WORLD DATA ACCESS LAYERS USING COMMON DESIGN PATTERNS USE CUSTOM COLLECTIONS WITH DATA SOURCE CONTROLS LEARN THE INTERNALS OF GRID CONTROLS PLUS GET CODE SAMPLES ON THE WEB

HERE A CONCISE ONE VOLUME REFERENCE IS ALL YOU NEED TO HAVE AT YOUR FINGERTIPS TO MAKE EFFECTIVE USE OF ASP.NET ASP.NET IS THE SUCCESSOR TO ACTIVE SERVER PAGES AND IS THE NEXT GENERATION TECHNOLOGY FOR BUILDING DYNAMIC WEB APPLICATIONS AND WEB SERVICES FOR THE .NET PLATFORM WITH ITS DOCUMENTATION OF THE WEB RELATED CLASSES IN THE .NET FRAMEWORK CLASS LIBRARY ASP.NET IN A NUTSHELL IS THE DEFINITIVE REFERENCE GUIDE FOR DEVELOPERS OF BOTH APPLICATIONS AND WEB SERVICES

GO BEYOND THE OBVIOUS AND EXPLORE THE SECRETS BEHIND ASP.NET WITH THIS COMPREHENSIVE GUIDE LEADING AUTHORITIES IN THE FIELD EXPOSE THE HIDDEN FUNCTIONALITY WITHIN THE ASP.NET MODEL

REVEALING EVERYTHING FROM CONTROLS AND SCREEN SCRAPING TO CONFIGURATION AND VERSIONING TECHNIQUES THESE EXPERT TIPS AND TRICKS WILL HELP YOU GAIN THE SKILLS YOU NEED TO QUICKLY DEVELOP YOUR OWN PRACTICAL ASP.NET APPLICATIONS THE INSIDER'S GUIDE TO UPLOADING MULTIPLE FILES FROM A SINGLE PAGE SEE CHAPTER 5 DOUBLE CHECKING CLIENT SIDE VALIDATION SEE CHAPTER 9 NESTING USER CONTROLS SEE CHAPTER 10 USING THE CODE BEHIND MODEL WITH NOTEPAD SEE CHAPTER 12 SUPPORTING SPECIFIC .NET FRAMEWORK VERSIONS SEE CHAPTER 13 DEBUGGING A SQL SERVER STORED PROCEDURE FROM VISUAL STUDIO .NET SEE CHAPTER 14 STREAMING ATTACHMENTS SEE CHAPTER 18 SCREEN SCRAPING USING WSDL DOCUMENTS AND PROXY CLASSES SEE CHAPTER 30 INTEGRATING MOBILE EMULATORS WITH VISUAL STUDIO .NET SEE CHAPTER 33

THIS ADVANCED RESOURCE IS IDEAL FOR EXPERIENCED PROGRAMMERS SEEKING PRACTICAL SOLUTIONS TO REAL PROBLEMS DISCOVER VALUABLE CODING TECHNIQUES AND BEST PRACTICES WHILE LEARNING TO MASTER MICROSOFT'S NEWEST CROSS PLATFORM PROGRAMMING LANGUAGE THIS DEFINITIVE GUIDE WILL SHOW YOU HOW TO EXPERTLY APPLY AND INTEGRATE C# INTO YOUR BUSINESS APPLICATIONS CREATE USER CONTROLS SPECIAL EFFECTS TEXT DYNAMIC USER INTERFACES CUSTOM ATTRIBUTES PLUS YOU'LL ALSO FIND RELIABLE SECURITY AND AUTHENTICATION METHODS

THIS CONCISE NO NONSENSE BOOK TEACHES YOU HOW TO DEVELOP ACCESSIBLE STANDARDS COMPLIANT ASP.NET DRIVEN WEB SITES WITH ASP.NET AND MACROMEDIA DREAMWEAVER MX 2004 REAL WORLD TUTORIALS WILL HELP YOU ACHIEVE RESULTS QUICKLY AS YOU PLUNGE INTO THE TEXT YOU'LL LEARN THE FUNDAMENTAL CONCEPTS OF THE .NET FRAMEWORK THEN QUICKLY MOVE ON TO THE WORKINGS OF ASP.NET WITHIN THE FRAMEWORK YOU WILL EXPLORE DATABASES AND SQL IN PREPARATION FOR HANDLING ASP.NET DATABOUND CONTROLS NEXT YOU'LL EXPLORE THE CORE ROLE THAT XML AND XML WEB SERVICES PLAY IN .NET FINALLY YOU'LL LEARN ABOUT DREAMWEAVER'S EXTENSIBILITY AND CODING EFFICIENCY FEATURES TWO OF THE MOST IMPORTANT ASPECTS OF DEVELOPING WITH DREAMWEAVER

GETTING A BUNCH OF COMPUTERS TO TALK TO EACH OTHER USED TO BE TOUGHER THAN GETTING A STRAIGHT ANSWER FROM A POLITICIAN IN AN ELECTION YEAR .NET WEB SERVICES FIXES THAT A UNIQUE COMBINATION OF TECHNOLOGIES THE .NET PLATFORM FOR THE FIRST TIME MAKES DISTRIBUTED COMPUTING LANGUAGE INDEPENDENT PLATFORM INDEPENDENT AND DEVICE INDEPENDENT WHICH IS A PRETTY BIG DEAL WHEN YOU CONSIDER THAT APPLICATIONS BUILT AND RUN ON THE .NET PLATFORM ARE AVAILABLE ANY TIME ANY PLACE AND ON ANY DEVICE IN OTHER WORDS .NET EQUALS TOTAL CONNECTIVITY IT ALSO MEANS THAT DEVELOPERS FOR THE INTERNET AND INTRANETS CAN NOW USE SERVICES TO INCLUDE ALL KINDS OF AMAZING FUNCTIONALITIES IN A NEW PROGRAM WITHOUT HAVING TO REINVENT THE WHEEL AND WITHOUT NEEDING TO KNOW ANYTHING ABOUT THE BUSINESS OR COMPLEXITY OF THE SERVICE HE OR SHE IS USING READY TO JOIN THE .NET SERVICES REVOLUTION THEN THIS BOOK IS FOR YOU WRITTEN BY BESTSELLING COMPUTER BOOK AUTHOR ANTHONY MANN IT PUTS YOU ON THE FAST TRACK TO DEVELOPING AMAZING .NET SERVICES HERE'S YOUR CHANCE TO DISCOVER XML AND SOAP MASTER THE .NET FRAMEWORK AND .NET SERVER CREATE TEST AND DEBUG SERVICES USING VISUAL STUDIO .NET IMPLEMENT YOUR SERVICES THROUGHOUT AN ORGANIZATION OR ON THE INTERNET SECURE YOUR SERVICES FIND AND CONSUME SERVICES THAT WERE WRITTEN BY OTHER DEVELOPERS WRITTEN IN AN ACCESSIBLE EASY TO READ FORMAT SUPPLEMENTED WITH DOZENS OF SCREEN SHOTS AND HIGHLIGHTED TIPS AND SHORTCUTS .NET SERVICES FOR DUMMIES COVERS ALL THE BASES FOR BEGINNERS AND INTERMEDIATE .NET USERS ALIKE IMPORTANT TOPICS COVERED INCLUDE HOW SERVICES CAN BENEFIT YOUR ORGANIZATION USING THE .NET FRAMEWORK .NET SERVER VISUAL STUDIO .NET AND ALL THE TOOLS AND TECHNOLOGIES ON THE .NET PLATFORM DESIGNING BUILDING TESTING AND DEPLOYING SERVICES

MIGRATING FROM OTHER TECHNOLOGIES YOUR TOTAL GUIDE TO BRIDGING THE DIGITAL COMMUNICATIONS GAP
NET SERVICES FOR DUMMIES GETS YOU UP AND RUNNING IN NO TIME WITH THE KNOWLEDGE AND SKILLS YOU
NEED TO DEVELOP SOPHISTICATED SERVICE APPLICATIONS ON THE MICROSOFT PLATFORM

VISUAL STUDIO TIPS AND TRICKS II NET IS ONE OF THE MOST VERSATILE AND EXTENSIBLE PROGRAMMING
TOOLS RELEASED BY MICROSOFT UNLOCK THE SECRETS OF VISUAL STUDIO LEARNING TIPS AND SHORTCUTS
FOR OPTIMIZING THE EDITOR SEARCH NAVIGATION WINDOWS LAYOUTS AND OTHER CAPABILITIES THE NUMBER
OF FEATURES AND SHORTCUTS AVAILABLE IN VS NET IS TRULY IMMENSE AND IT GROWS TREMENDOUSLY
WITH EACH RELEASE THIS BOOK DEALS WITH CONCEPTS OF VISUAL STUDIO NET 4.0 TIPS AND TRICKS C
DEBUGGING XAML CODELENS PRODUCTIVITY TOOL EDITOR XAMARIN WINDOWS PROFILER TASKS PHONE
MOBILE VISUAL STUDIO 2010 VISUAL STUDIO 2013 VISUAL STUDIO 2015 VISUAL STUDIO TIPS AND
TRICKS IS WRITTEN ANALYZING NEARLY EVERY FEATURE IN THE CORE ENVIRONMENT UNEARTHING THE TIPS AND
TWEAKS THAT STREAMLINE WORK AND MAXIMIZE EFFICIENCY AND IS PACKED WITH HELPFUL EXAMPLES AND
PROGRESSES THROUGH A RANGE OF TOPICS THAT GRADUALLY INCREASE IN THEIR COMPLEXITY DEVELOPERS
WHO ARE UNAWARE OF THESE TIMESAVING FEATURES SURELY MISS OUT ON OPPORTUNITIES TO INCREASE
THEIR PROGRAMMING PRODUCTIVITY AND EFFECTIVENESS VISUAL STUDIO TIPS AND TRICKS EXPLAINS HOW
TO USE VS NET EFFICIENTLY GET PRACTICAL INSIGHTS INTO HOW IDE FEATURES WORK AND HOW TO
QUICKLY ADAPT THEM FOR ANY PROGRAMMING LANGUAGE ORGANIZED INTO SHORT AND EASY TO GRASP
SECTIONS AND CONTAINING TIPS AND TRICKS ON EVERYTHING FROM EDITING AND COMPILING TO DEBUGGING
AND NAVIGATING WITHIN THE VS NET IDE THIS BOOK IS A MUST READ FOR ALL NET DEVELOPERS REGARDLESS
OF EXPERTISE AND WHETHER THEY PROGRAM IN C# VB.NET OR ANY OTHER NET LANGUAGE SPECIFICALLY IT
WILL PROVIDE YOU WITH SOLID GUIDANCE AND EDUCATION THAT WILL ALLOW YOU TO SQUEEZE THE
ULTIMATE PRODUCTIVITY AND USE OUT OF THE VISUAL STUDIO DEVELOPMENT ENVIRONMENT THIS BOOK
FOLDS IN REAL WORLD DEVELOPMENT EXPERIENCE WITH DETAILED INFORMATION ABOUT THE IDE TO MAKE YOU
MORE PRODUCTIVE AND EASE TRANSITION FROM OTHER DEVELOPMENT ENVIRONMENTS THIS BOOK
DEMONSTRATES THE NEW FEATURES OF THE IDE INCLUDING CODE SNIPPETS REFACTORING AND PATTERNS
PUBLISHED BY MEETCOOGLE

LEARN VISUAL BASIC .NET FAST WITH VISUAL BASIC .NET WEEKEND CRASH COURSE YOU CAN GET UP TO
SPEED ON DESIGNING AND DEVELOPING PROGRAMS WITH THE NEWEST VERSION OF THE WORLD'S MOST
POPULAR PROGRAMMING LANGUAGE IN A SINGLE WEEKEND VISUAL BASIC .NET WEEKEND CRASH COURSE WILL
HAVE VB.NET WOULD BE PROGRAMMERS CODING IN FIFTEEN HOURS VETERAN AUTHOR RICHARD MANSFIELD
GUIDES YOU THROUGH THE VISUAL BASIC .NET LANGUAGE AND TOOLS AND ENABLES YOU TO CREATE NEXT
GENERATION APPLICATIONS FOR THE MICROSOFT .NET PLATFORM PEOPLE WHO WANT TO LEARN VISUAL
BASIC .NET QUICKLY AND PEOPLE WHO KNOW TRADITIONAL VISUAL BASIC BENEFIT FROM RICHARD'S EXPERT
COVERAGE OF TOPICS THAT INCLUDE THE NEW VISUAL BASIC .NET IDE LABELS BUTTONS BOXES AND DIALOGS
IMAGES PICTURES AND SHAPES PROCEDURES VARIABLES AND SCOPE COMPARISON MATH AND LOGICAL
OPERATORS ARRAYS LOOPING AND BRANCHING BUG FIXING DESIGNING BUILDING AND ACCESSING ADO
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CONCLUSION

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