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Microsoft Visual Studio 2005 使用教程

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To my mom and dad, Pepper and Kathy Johnson.
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–B.J.

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who have supported me over the years.
–C.S.

To Julia, Max, and Brigitte–kisses, hugs, and ladybugs.
–M.Y.

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Introduction

The Microsoft® Visual Studio® integrated development environment (IDE) is arguably one of the most powerful and complex development tools in the world. In 2002, Craig Skibo, Marc Young, and I decided that a book was needed to show how developers could really extend this IDE and make it their own. That book was called *Inside Microsoft Visual Studio .NET 2003*. This book, *Working with Microsoft Visual Studio 2005*, is an update to that book.

Working with Microsoft Visual Studio 2005 won't teach you programming. It will however, help you to understand the IDE and the project system, and it will tell you a lot about how you can adopt the IDE to meet your specific needs.

Support information for the book is located at the end of this introduction. If you want to send feedback or suggestions to me directly, feel free to send an e-mail to *brianjo@microsoft.com*.

Who Is This Book For?

This book is for developers who want to learn a little bit more about the Visual Studio 2005 IDE and who want to extend the capabilities of that IDE with macros and add-ins.

System Requirements

You'll need the following hardware and software to build and run the code samples for this book:

- Microsoft Windows ® XP with Service Pack 2, Microsoft Windows Server ™ 2003 with Service Pack 1, or Microsoft Windows 2000 with Service Pack 4
- Microsoft Visual Studio 2005 Standard Edition
- 600 MHz Pentium or compatible processor (1 gigahertz Pentium recommended)
- 192 MB RAM (256 MB or more recommended)
- Video (800 x 600 or higher resolution) monitor with at least 256 colors (1024 x 768 High Color 16-bit recommended)
- CD-ROM or DVD-ROM drive
- Microsoft Mouse or compatible pointing device

Prerelease Software

This book was reviewed and tested against the August 2005 Community Technical Preview (CTP) of Visual Studio 2005. This book is expected to be fully compatible with the final release of Visual Studio 2005. If there are any changes or corrections to this book, they will be collected and added to a Microsoft Knowledge Base article. See the "Support for This Book" section in this Introduction for more information.

Technology Updates

As technologies related to this book are updated, links to additional information will be added to the Microsoft Press Technology Updates for Books Web page. Visit this page periodically for updates on Visual Studio 2005 and other technologies.

http://www.microsoft.com/mspress/updates/

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All of the code samples discussed in this book can be downloaded from the book's companion content page at the following address:

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Contents at a Glance

1 Introducing Visual Studio 2005 1

2 Project Management in Visual Studio 2005 17

3 The Visual Studio Editor 33

4 Community Content and VSTemplates 55

5 Using Visual Studio Macros 91

6 Extending the IDE with Add-Ins 107

7 Exploring Commands Programmatically 131

8 Managing Solutions and Projects Programmatically 153

9 Programming the Visual Studio User Interface 197

10 Text-Editing Objects and Events 241

Table of Contents

Acknowledgments xv
Introduction xvii

1 **Introducing Visual Studio 2005** 1
What Is Visual Studio 2005? 1
Developing for .NET 2
Building Native Applications 3
Visual Studio 2005 Features 4
Editors, Designers, and Tool Windows 4
Visual Studio 2005 File Paths 11
Visual Studio 2005 Extensibility 13
Macros 14
Add-Ins 15
Wizards 15
Starter Kits 16
The Visual Studio SDK 16
Looking Ahead 16

2 **Project Management in Visual Studio 2005** 17
Overview of Solutions and Projects 17
Understanding Solutions 18
Solution Items and Miscellaneous Files 19
Solution Properties 20
Solution and Solution User Options Files 22
Projects 22
Project Items 23
Project Properties 24
Project Source Files 28
Project Dependencies 29
Building Projects and Solutions 30
Looking Ahead 31

3 The Visual Studio Editor 33
Documents in the IDE 33
It's All About Text 34
Typing and Shortcuts 36
Other Keyboard Schemes 40
Understanding Tabs and Code Formatting 40
Other Editing Features in Visual Studio 2005 42
Code Snippets 42
Refactoring 43
Code Definition Window 43
Call Browser 43
Line Numbering and Outlining 44
Line Numbering 44
Outlining 46
Programming Help 47
IntelliSense 47
Using the Command Window 49
Search, Replace, and Regular Expressions 50
Incremental Searching 52
Looking Ahead 53

4 Community Content and VSTemplates 55
Community Content 55
Installing Content 56
Security 58
Creating Downloadable Content 58
The VSContent File Format 58
Zipping 65
Signing Your Content 66
Implementing Your Own Downloadable Types 67
Creating the Project 67
Interface Implementation 67
The Site Interface 70
Registration 72

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An Example—Samples Installer 74
Security Attributes 74
Creating VSTemplates 75
Using the Export Template Wizard 75
Creating Templates by Hand 78
The VSTemplate Schema 81
Wizard Data 86
Storing the Template on Disk 87
Wizard Extensions 87
Security Attributes 90
Looking Ahead 90

5 Using Visual Studio Macros 91

Macros: The Duct Tape of Visual Studio 91
Recording Visual Studio Macros 92
Macro Commands 94
Editing Macros in the Macros IDE 95
A Simple Macro 97
Working with Macros 98
Manipulating Documents and Text 98
Moving Windows 100
Macro Events 102
Sharing Macros with Others 104
Exporting Modules and Projects 105
Looking Ahead 106

6 Extending the IDE with Add-Ins 107

Running the Add-In Wizard 107
The Add-In Project 109
Loading the Add-In 111
Debugging the Add-In 113
Add-In Architecture 114
Writing an Add-In from Scratch 114
Add-In Events 117

The *IDTExtensibility2* Interface 119
The .Addin File 126
Looking Ahead 130

7 Exploring Commands Programmatically 131

What Is a Command? 131
Locating Commands 132
Command Names 133
Executing Commands 134
Creating Macro Commands 135
Creating an Add-In Command 135
Handling a Command Invocation 137
Command State 138
How an Add-In Command Handler Is Found 144
The Command User Interface 144
The Command Bar Object Model 145
The Primary Command Bar 146
Adding New Command Bar Elements 147
Using Custom Bitmaps 148
Regenerating Commands and Their User Interface 150
Looking Ahead 151

8 Managing Solutions and Projects Programmatically 153

Working with Solutions 153
Creating, Loading, and Unloading Solutions 154
Enumerating Projects 155
Adding Projects to a Solution 156
Capturing Solution Events 158
Working with Project Items 163
Enumerating Project Items 163
Adding and Removing Project Items 166
Working with Language-Specific Project Objects 170
VSProject Projects 171
Using Visual Studio Utility Project Types 176
Miscellaneous Files Project 176

Solution Folders 177
Unmodeled Projects 180
Project and Project Item Events 181
Managing Build Configurations 183
Manipulating Solution Settings 183
Manipulating Project Settings 189
Build Events 193
Persisting Solution and Project Information Across IDE Sessions 194
Looking Ahead 196

9 Programming the Visual Studio User Interface 197

Window Basics 197
The Windows Collection 197
Using the *Object* Property 200
Shortcuts to Common Tool Windows 201
The Main Window 202
Explorer Windows and the *UIHierarchy* Object 203
The *UIHierarchy* Object Tree 203
The *UIHierarchy* Object 205
The *UIHierarchyItems* Object 206
The *UIHierarchyItem* Object 207
The Toolbox Window 207
Tabs and Items 207
Adding Items to the Toolbox 209
The Task List Window 210
Task List Items 211
Adding New Tasks 211
The *TaskItem* Object 215
Task List Events 216
Comment Tokens 218
The Error List Window 221
The Output Window 221
Output Window Panes 222

The Forms Designer Window 224
The *IDesignerHost* Interface 224
Marshaling 224
Adding Controls to a Form 225
Finding Existing Controls 225
A Form Layout Sample 226
Creating Custom Tool Windows 227
Setting the Tab Picture of a Custom Tool Window 231
Setting the *Selection* Object 232
The Options Dialog Box 233
Changing Existing Settings 233
Creating Custom Settings 237
Looking Ahead 239

10 Text-Editing Objects and Events 241

Editor Windows 241
The *Window* Object 241
The *TextWindow* and *HTMLWindow* Objects 242
The *TextPane* Object 244
Documents 246
The *Document* Object 246
The *TextDocument* Object 250
Point Objects 250
The *TextPoint* Object 250
The *VirtualPoint* Object 251
The *EditPoint* Object 253
The *TextSelection* Object 253
A Comparison of the *TextSelection* and *EditPoint* Objects 254
Undo Contexts 256
Automatic Undo Contexts 256
Creating Undo Contexts 257
Stack Linkage 258
Text Editor Events 259
The *BeforeKeyPress* and *AfterKeyPress* Events 259
The *LineChanged* Event 261
Looking Ahead 262

Index.....263

Chapter 1

Introducing Visual Studio 2005

In this chapter:

What Is Visual Studio 2005? 1
Visual Studio 2005 Features 4
Visual Studio 2005 Extensibility 13
Looking Ahead 16

In this chapter, we'll provide a brief overview of Microsoft® Visual Studio® 2005. We'll show you some of the features of the integrated development environment (IDE) to provide some context for the extensibility and customization discussion throughout the rest of the book. And finally, we'll discuss the extensibility features that make Visual Studio 2005 an extremely attractive tool for programmers who are looking to customize and extend their development environment.

What Is Visual Studio 2005?

Visual Studio 2005 is the latest version of Microsoft's Visual Studio line of development tools. Visual Studio 2005 has a long lineage, running from its early roots as the IDE that hundreds of thousands of Microsoft Visual Basic® developers used on Microsoft Windows® starting in the early 1990s. A second ancestor, Microsoft Visual C++® 1.0, was released in 1993 and became the standard platform for C++ developers worldwide. These two IDEs were finally united in Microsoft Visual Studio .NET 2002 and Visual Studio .NET 2003. Visual Studio .NET 2002 was the first IDE for the Microsoft .NET platform and was used to develop applications for the 1.0 version of that product. Visual Studio .NET 2003 was used to build .NET Framework 1.1 applications and added a number of enhancements to the original product.

Visual Studio 2005 uses the .NET Framework 2.0 as the class library and runtime for applications built in the managed languages that ship with the IDE. These languages include Visual Basic 2005, Microsoft Visual C#® 2005, Visual C++ 2005, and Microsoft Visual J#® 2005. In the case of Visual Basic, Visual C#, and Visual J#, all applications built with Visual Studio 2005 require the .NET Framework 2.0 common language runtime (CLR), though it is possible to target an application to a previous version of the CLR. Visual C++ 2005 can be compiled as a managed .NET Framework application, requiring the CLR, or it can be compiled as a native application, meaning that no runtime is required for the application to run in Windows.

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