

# Contents

<b>Acknowledgments</b>	<b>viii</b>
<b>Introduction</b>	<b>xv</b>
<b><u>Chapter 1: An Introduction to Outlook 2007 Programming</u></b>	<b><u>1</u></b>
<b>Setting Up Outlook VBA</b>	<b>1</b>
Setting Up Macro Security	2
Creating a Code-Signing Certificate	3
Reviewing the VBA Editor Interface and Options	4
<b>Understanding Outlook</b>	<b>5</b>
Outlook Profiles and Data Store	6
Outlook Sessions and Data Stores	6
Outlook Folders	6
Outlook Items	8
<b>Outlook Data Storage</b>	<b>8</b>
Accessing Data Stores Using NameSpace	9
Accessing Data with Tables	9
<b>Outlook Data Display</b>	<b>10</b>
<b>Summary</b>	<b>11</b>
<b><u>Chapter 2: What's New in Outlook 2007</u></b>	<b><u>13</u></b>
<b>The Unified Object Model</b>	<b>14</b>
The PropertyAccessor	14
Stores and Storage Items	24
User Interface Objects	26
Accounts	28
<b>Performance Improvements</b>	<b>30</b>
Working with Tables Instead of Items	30
Filtering Tables	31
Table Default Columns	33
Table Limitations	33
<b>Security</b>	<b>34</b>
Trusted Code	35
Untrusted Code	35
<b>The Importance of Using DASL</b>	<b>35</b>
DASL Namespaces	36
Using DASL and JET Syntax	36
<b>Summary</b>	<b>38</b>

# Contents

---

<b>Chapter 3: Outlook Development</b>	<b>39</b>
<b>The Application Object</b>	<b>39</b>
New Methods, Properties, and Events	44
Other Important Collections, Methods, Properties, and Events	48
<b>The NameSpace Object</b>	<b>53</b>
Exchange	53
Categories	54
Picking Folders	54
Picking Names	55
<b>Summary</b>	<b>57</b>
<b>Chapter 4: Outlook VBA</b>	<b>59</b>
<b>The Outlook VBA Project</b>	<b>59</b>
The Project File	59
ThisOutlookSession	60
Macros and VBA Procedures	60
<b>Macro Security</b>	<b>60</b>
Security Levels	61
Signed Macro Code	61
<b>Class Modules</b>	<b>61</b>
ThisOutlookSession	62
User Classes	62
<b>Code Modules</b>	<b>63</b>
<b>Office UserForms</b>	<b>64</b>
Creating the Macro User Interface	64
<b>Working with Outlook Events</b>	<b>68</b>
Application Events	69
Folder Events	77
User Events	80
Wrapper Classes and Collections	81
<b>Macro Projects</b>	<b>88</b>
Custom Rules	89
Additional Macros	100
<b>Running and Distributing Macros</b>	<b>108</b>
Running Macros	108
Distributing the VBA Project	109
Distributing Individual Macros	110
<b>Summary</b>	<b>110</b>

<b>Chapter 5: Outlook Forms</b>	<b>111</b>
<b>Working with Standard Forms</b>	<b>111</b>
Forms Libraries	112
Published Forms	113
Form Customization	113
Advantages and Disadvantages of Custom Forms	114
<b>Back to the Past: the Forms Development Environment</b>	<b>116</b>
Using the Field Chooser	118
Using the Control Toolbox	119
Using the Code Window	120
<b>Prototyping Forms Code in VBA</b>	<b>122</b>
Simulating the Form Environment in VBA	123
Developing and Debugging Using VBA	124
<b>Custom Form Walkthrough</b>	<b>124</b>
Creating, Publishing, and Running a Form	125
Where to Publish Forms	129
Publishing Forms Using Code	129
Testing Code for the Form	132
<b>Forms Management</b>	<b>136</b>
<b>Form Behavior</b>	<b>138</b>
Trusted Forms	138
Active X Controls	138
Script in Forms	139
<b>Form Regions</b>	<b>139</b>
Form Region Locations, Properties, and Registry Settings	140
Form Region Walkthrough	141
<b>Summary</b>	<b>145</b>
<b>Chapter 6: COM Addins</b>	<b>147</b>
<b>Managed or Unmanaged Code?</b>	<b>147</b>
<b>IDTExtensibility2 and Trusted COM Addins</b>	<b>148</b>
Version Differences	149
VB.NET Addin Implementations	149
C# Addin Implementations	150
Addin Templates	151
<b>Explorer and Inspector Event Handlers</b>	<b>152</b>
Setting Up Explorer and Inspector Event Handlers	152
<b>The OnDisconnection Catch-22 Bug</b>	<b>155</b>
Explorer and Inspector Wrappers	164

## Contents

---

<b>Template Utility Code</b>	<b>179</b>
VB.NET Utility Code	180
C# Utility Code	182
<b>Displaying Outlook Property Pages</b>	<b>185</b>
Displaying Property Pages with VB.NET	185
Displaying Property Pages with C#	186
<b>Communicating with a COM Addin</b>	<b>188</b>
VB.NET	188
Testing Addin Communications	189
C#	190
VSTO with VB.NET	191
VSTO with C#	194
<b>Summary</b>	<b>196</b>
<b>Chapter 7: COM Addins and the Outlook User Interface</b>	<b>197</b>
<b>Working with Menus and Toolbars</b>	<b>197</b>
Menus and Toolbars in Explorers	198
VB.NET	199
C#	206
<b>VSTO Interface Handlers</b>	<b>213</b>
VB.NET	213
C#	214
<b>AxHost</b>	<b>216</b>
VB.NET	216
C#	216
<b>Working with the Ribbon</b>	<b>217</b>
Ribbon XML	218
Ribbon Callbacks	224
<b>Custom Task Panes</b>	<b>234</b>
Creating Custom Task Panes	235
Working with Custom Task Panes	239
<b>Form Regions</b>	<b>240</b>
Creating Custom Form Regions	242
Working with Custom Form Regions	244
<b>Custom Views</b>	<b>248</b>
Types of Custom Views	248
Creating Custom Views	248
Filtering and Formatting Custom Views	249
View XML	250
<b>Summary</b>	<b>251</b>

## Contents

<b>Chapter 8: Interfacing Outlook with Other Applications</b>	<b>253</b>
<b>Microsoft Word</b>	<b>254</b>
<b>Microsoft Excel</b>	<b>257</b>
<b>Microsoft Access</b>	<b>264</b>
ADO	265
Access DAO	267
DAO DBEngine	268
<b>Web Browser</b>	<b>269</b>
Browser Control Form	269
<b>Summary</b>	<b>272</b>
<b>Chapter 9: Real-World Outlook Programming</b>	<b>275</b>
<b>Supporting Multiple Versions of Outlook</b>	<b>275</b>
Coding for Compatibility	276
Ribbon Considerations and Workarounds	277
<b>Addin Deployment</b>	<b>279</b>
Unmanaged Code Addins	279
Managed Code Addins	280
<b>Outlook Programming Limitations</b>	<b>282</b>
Outlook 2007	282
Outlook 2003 and Earlier	283
<b>Things We Still Don't Have in Outlook 2007</b>	<b>287</b>
<b>Using Alternate APIs</b>	<b>288</b>
CDO	288
Redemption	289
<b>Summary</b>	<b>303</b>
<b>Chapter 10: Task Management System</b>	<b>305</b>
<b>Task Management System Features</b>	<b>305</b>
<b>The Connect Class</b>	<b>307</b>
The VB Connect Class	307
The C# Connect Class	319
C# MyAxHost	335
VB Globals	337
VB OutExpl	337
C# OutExpl	338
VB ExplWrap	340
C# ExplWrap	341
VB OutInsp	344

## Contents

---

C# OutInsp	345
VB InspWrap	347
C# InspWrap	353
VB TaskPane	362
C# TaskPane	366
<b>VB Ribbon XML</b>	<b>372</b>
<b>C# Ribbon XML</b>	<b>373</b>
<b>Summary</b>	<b>373</b>
<b>Appendix A: Outlook 2007 Object Model Summary</b>	<b>375</b>
<b>Appendix B: Troubleshooting Problems and Support</b>	<b>425</b>
<b>Index</b>	<b>439</b>