

Table of Contents

Introduction

Alpha Five	ix
Learning Alpha Five.....	ix
A message to the small business community	x
Acknowledgments	x
Getting Started.....	x
Tips on Searching the Help files	xii
Installing the Lesson Files	xiii
What files are included?	xiv
Opening the database for the lessons	xiv
Support	xiv

1 Beyond the Basics!

Welcome!	3
What's in this book...	3
Preparation for the Lessons	4
Opening the database for the exercises	4
Object Properties Instructions	4
Don't miss out!	5

2 Web Wonders Dazzle Desktop!

Preparation for the lessons	9
Keep this in mind as we go forward	9
Expanding your Application Design	9
See the system in action!	9
Understanding Grid Components	10
Why can't I use my desktop forms on the web?	11
Using the Web Projects Control Panel	11
Combining web and desktop elements	12
Using the Grid Component	13
Creating a Grid Component	14
Defining the Component Type	15
Defining the Data Source	15
Defining the Query	16
Selecting Fields for the Grid	17
Setting the Field Properties	18
Defining the Grid Properties	19
Setting up the Search part elements	20
Setting up the Detail View elements	20
Saving the Component	25
Previewing Web Components	25
Viewing at the Preview tab	25
Viewing in Live Preview	26
Viewing in Working Preview	26
Viewing in the Browser	26
Testing the component design	27
Understanding Modeless and Modal windows	31
Revising an existing component	31

- Adding notes in a Free Form Edit Region 33
- Placing a Grid Component on a Form.....34
 - Editing the Grid Component, the Form and the Supercontrol 35
 - Linking to Fields on the Form 35
- Using a Button to Open a Web Component.....36
 - Editing desktop and web sides simultaneously 38
 - Editing images in the grid component 38
 - Adding a title 39
- More on Editing.....40
 - Entering new records 40
 - Saving the record 41
 - Viewing the table entry 41
 - Deleting a record 41
 - Canceling a change 41
 - Using wild cards to search records 42
 - Sorting the records 42
 - Sending an email 43
- Connecting your SQL data to Alpha Five43
 - Understanding the Data Source 44
 - Understanding the Connection String 45
 - Opening a previously saved connection string 45
 - Creating a new connection string 46
 - Creating a temporary connection 47
 - Completing the SQL Query pane 48
 - Using Tables and Views 48
 - Completing the grid 49
- Getting more info50
- Sneak peek at more component styles.....51

- 3 Picture Perfect!**
- Graphics bring your database to life.....54
 - What's in this chapter 55
- The Database of Today.....55
 - Understanding the terms 56
 - Understanding field and file types 56
 - Using the graphic design features 56
 - Static and dynamic control types 58
 - Understanding the HTML Editor 58
- Using Image Fields in Forms and Browsers.....59
 - Sizing the file: JPG, BMP, etc. 59
 - Viewing the image on the form 59
 - Adding an image field to a form 60
 - Enter or change a photo 60
 - Enlarging a photograph 60
 - Using an HTML Memo field 61
 - Opening a file or web page 62
- Creating an HTML Window on a Form.....63
 - Viewing the HTML Window 63
 - Editing the HTML 65
 - Sizing the form 66
- Adding a Chart to a Form.....66
 - Deciding what you want to show in the chart 67
 - Defining the chart settings 67
 - Summarizing chart data 71
 - Using placeholders for labels 71

Adding Icons to Browsers	72
Adding the graphics to the database	73
Creating the Icon column	73
Adding a condition manually	75
Editing images and/or conditions	76
Changing the genie's <default> entries	77
Changing manual entries	78
Connecting to the Internet	78
Creating a form for the template	80
Understanding the pre-defined templates	80
Using the Google Maps template	80
Connecting the forms	81
Using the Google Search template	82
Using the Google Image Search template	82
Linking to a URL in a record	83
Creating a new template	83
Adding a Clock and a Calendar.....	83
Entering and changing dates with the calendar & clock	84
Entering and changing dates by typing	85
Creating Calendars and Clocks	85

4 Data Entry Made Easy!

Overview	88
What's in this chapter	89
Understanding data controls.....	89
Using Field Rules to Create Pick Lists.....	90
Creating a Simple List	91
Creating a Cascading List	92
Creating a Conditional Table Lookup	92
Creating a Previous Values Lookup	93
Understanding Data Controls	94
Answering "yes" or "no"	95
Using the "shorter list" controls	95
Using a spin control	96
Using "longer list" controls	96
Using controls for lists with sub-categories	96
Using table records in controls	97
Creating Data Controls.....	97
Part 1: Defining the Data Control	98
Part 2: Entering choices for each type	98
Creating "Yes" and "No" responses	99
Setting up lists	99
Setting up lists with sub-categories	100
Showing table records	101
Data entry made faster	101
Zoom Zoom with Action Scripting	101
Editing an event	103
Enhancing your forms	103
Additional exercises	104
Getting more info!	104

5 Radical Reports!

What's in this chapter	107
Interactive Reporting: Jumping from a Report to a Form	107
Setting up the links	108

TABLE OF CONTENTS

- Making the field look like a hyperlink 108
- Choosing the linking layout 109
- Using the hyperlink 109
- Viewing your changes in the report 110
- Adding a Chart to a Report..... 110
- Adding Color to a Report 112
 - Coloring alternate rows (aka “Greenbanding”) 112
 - Putting a box around a field with a certain value 114
- Adding Bookmarks, a Table of Contents and an Index 116
 - Understanding the dialogs 117
 - Defining the Bookmarks 119
 - Defining the Table of Contents 120
 - Defining the Index 120
 - Customizing the Table of Contents 121
 - Customizing the Index 123
 - Saving to a PDF file 125
 - Editing the links for a custom TOC or Index 126
 - Removing an entry expression 126
 - Removing a Bookmark, TOC or Index from the report 126
 - Viewing the reports 126
- Viewing a Report on a Form 126
 - Adding the report 128
 - Adding a toolbar 128
 - Viewing a PDF document on a form 130
- Adding Headers and Footers 130
 - Understanding Special Headers and Footers 130
 - Understanding Page Headers and Footers 131
 - Understanding Continuation Headers & Footers 134
 - Understanding Repeating Headers & Footers 136
 - Deleting Headers and Footers 137
- Creating a Cover Page..... 137
 - Adding an image 138
 - Removing the footer from the cover page 139
- Working with PDF, HTML & Rich Text formats..... 139
 - Watermarking a PDF report 141
- Getting more info 142

- 6 Find it! Sort it! Filter It!** Overview 144
- Tools for Finding, Sorting and Filtering records..... 145
 - Sorting and filtering with sets 145
 - Testing the results 145
- Finding Records 146
 - Find by Key 146
 - Find Text 148
 - Find by Form 149
 - Drop Down Browse search 149
- Sorting Records 154
 - Sort by column title 154
 - Sort by Key 155
 - Multi-field Sort 155
 - Understanding Indexes 155
 - Sorting in reverse order 156
- Filtering Records 157
 - Quick Filter 157

Multi-field Quick Filter	158
Multi-Select Filter	159
Special Queries	160
Query Genie	160
Filtering with “and” & “or”	161
Viewing the expression	163
Editing the expression	163
Saving the query	164
Editing the saved query	164
Attaching a layout to the query	164
Query by Form	164
Using the QBF Helper	166
Editing existing data	167
Viewing the expression	167
Setting the order criteria	168
Saving a search	168
Beginning a new search	168
Opening saved QBF queries	169
Using Sorts, Indexes, Filters and Queries	169
Using the “Primary Index or Query” dialog	170
More on saved queries	171
Query by Expression	171
Understanding Arguments.....	172
Using an Argument to filter a report	172
Creating an Argument	173
Creating the filter expression	176
Using an Argument on a Report.....	176
Understanding Arguments in expressions	177
Viewing the completed expressions	177
Adding the full date to the report	178
Finishing the report design	179
Viewing the report	179
Getting more info	180
What’s in this chapter	183
Enhancing the ‘Alphabet Buttons’ Search Supercontrol.....	183
Understanding the elements	184
Introducing Variables	186
Placing the objects on the form	187
Adding the code	189
Testing the form	190
Troubleshooting	190
Understanding Xdialog.....	191
Viewing the completed example	191
Using Xdialog to Filter a Layout.....	192
Looking behind the scenes	192
Creating and storing scripts	193
Creating the ‘Client’ list	194
Creating the ‘Registrations’ list	198
Linking the ‘Clients’ & ‘Registrations’ lists with an Argument	199
Defining the ‘Registrations’ Filter / Where Clause	200
Adding a ‘Search’ box	201
Connecting ‘Search’ and ‘Client’	201

7 Experiment with Xbasic & Xdialog!

Defining the ‘Client’ Filter/Where Clause 201
 Using a Variable to Filter a Form.....202
 Running the script at the Code tab 204
 Applying the script to a form 204
 More about Xdialogs 204
 Getting more info205

8 Customize Your App!

What’s in this chapter 209
 Customizing the Alpha Five Startup209
 Creating a Desktop Shortcut 209
 Naming the Title and Start bars 210
 Adding a Custom Icon 210
 Creating a Startup Form 211
 Hiding the Control Panel 212
 Understanding Custom Menus213
 Understanding the menu type 214
 Creating a Custom Right Click Menu for a Form215
 Adding a new item 215
 Placing custom menus 218
 Creating a Custom Right Click Menu for Fields.....219
 Designing a Blank Menu 221
 Using Custom Menus in Browsers222
 Creating a Custom View (Top) Menu.....223
 Adding a Custom Menu to Report Print Preview.....224
 Creating a Custom Toolbar225
 Understanding the Toolbar Types 225
 Adding the custom Toolbar to a form 226
 Showing the Progress of a Script227
 Temporarily stopping an action in an Action Script 228
 Adding the Wait Dialogs 228
 Setting percentage of completion 230
 Showing More with Bubble Help.....232
 Creating user instructions 232
 Giving the user extra information 233
 Enlarging a photograph 234
 Linking to another file 234
 Viewing the Bubble Help 235
 Getting more info235

9 Hot Colors and Cool Styles!

What’s in this chapter 239
 Locating Color and Pattern Options.....239
 Using Object Properties to select Color and Patterns.....240
 Choosing colors 240
 Selecting a fill style 242
 Adding borders and shadows 244
 Using the properties pane to select color and pattern 244
 Using conditional color 245
 Using Color in Browsers246
 Modifying the appearance of a browse 247
 Modifying the appearance of a column 248
 Creating conditional color 248
 Understanding Styles and Stylesheets.....250
 Creating and applying Stylesheets251

- Saving the form and creating the Stylesheet 253
- Applying a Stylesheet to an existing form 254
- Updating Stylesheets 254
- Deleting Stylesheets 254
- Setting the default Stylesheet 254
- Understanding Styles.....255
 - Using an object to create a new Style 255
 - Updating an existing style 256
 - Choosing an existing Style 256
 - Managing Styles 256
 - Updating the Stylesheet 258
 - Deleting Styles 259
- Getting more info259

10 Exciting Email and Efficient Faxes!

- Preparation for the Lesson 263
- What's in this chapter 263
- Creating an E-mail Template263
 - Creating the message 264
 - Using an e-mail template 267
 - Editing a saved template 269
 - Using a Smart Field to run a template 270
- Understanding the E-mail Clients270
 - Entering the settings 271
 - Testing send e-mail for both clients 273
 - Reading e-mail with the A5 e-mail client 273
 - Understanding folders 274
 - Creating a smart button for e-mail fields. 276
- Sending Mass E-mails with AlphaMailer277
 - Understanding how AlphaMailer works 278
 - Opening an account 278
 - Reviewing the Alpha Five Mailer tabs 279
 - Understanding the passwords 281
 - Finding your AlphaMailer account password 281
 - Changing your AlphaMailer account password 282
 - Setting up your account on another computer 282
 - Setting up the tables 282
 - Creating a list 283
 - Exporting the data to AlphaMailer 285
 - Composing a new message 290
 - Personalizing the subject and/or message 291
 - Writing the e-mail 291
 - Inserting hyperlinks 292
 - Inserting an image 293
 - Inserting an "unsubscribe" link 295
 - Enlarging the window 295
 - Saving your composition 295
 - Sending the mass mailing 297
 - Viewing the reports 299
 - Understanding bounces 300
 - Editing an existing message 300
 - Adding a logo and company info 301
 - Updating lists 301
 - Looking at more features 302
 - Viewing the fee schedule 302

TABLE OF CONTENTS

Contacting Support 302	
Sending a Fax	303
Windows Fax Service 303	
Faxing an Alpha Five Report 304	