
superbooks

4.0

User's Manual

By Justin Boyd



Table of Contents

Introduction	3
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Getting Started

Login Form.....	3
User Interface.....	4
Setting Username and Password.....	5

Invoices

Invoice Navigator	7
Create a New Invoice.....	7
Modifying an Invoice.....	8
Deleting an Invoice.....	8

Reports

Single Invoices Viewer	10
All Invoices Viewer.....	11

More SuperBooks

Edit Font.....	13
Edit Color	13
Data Backup	14
Help.....	14

Appendices

Appendix 1: All Invoices Report	15
Appendix 2: Single Invoices Report	16
Appendix 3: Main Entry Code	17
Appendix 4: Splash Screen Code	29
Appendix 5: Login Form Code	31
Appendix 6: About Form Code	33

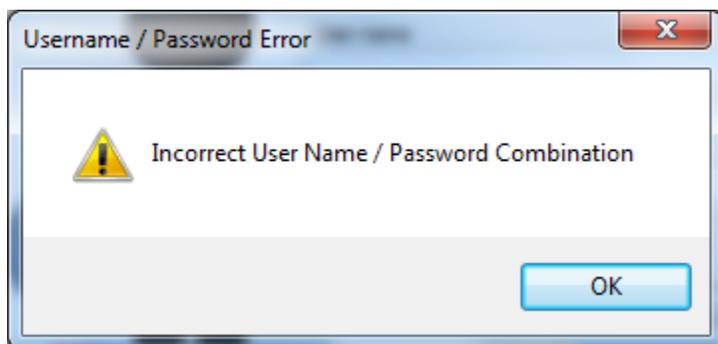
Getting Started

Introduction

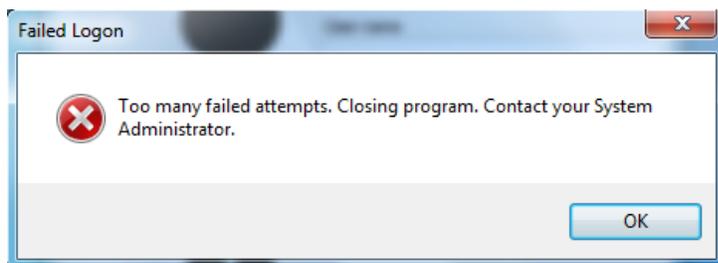
Welcome to SuperBooks v. 4.0 by Justin Boyd. SuperBooks is an invoice program for web designers, graphic designers and related professions. With SuperBooks you can enter your clients billing information, store it in a database and print out invoices! SuperBooks is designed to handle all of your invoicing needs.



Login Form



Username/Password Error



Failed Login

After user's third try they will see a Failed Login dialog and then SuperBooks will

Login Form

Upon launching the SuperBooks file, the user will be presented with a Login Form. By default, the username and password are both Admin (case sensitive) the first time the program is run and will be so until they are changed. It is highly recommended that you change the username and password upon its first run.

For security purposes, the user is allowed three attempts at logging in to the SuperBooks program. Upon a failed attempt the user will see a Username/Password Error dialog notifying them that the username or password they have entered was incorrect.

close. Contact your system administrator if you are unable to login or have forgotten your username or password.

User Interface

The **menu bar**, **tab control** and **status bar** are the main parts of the user interface.

The screenshot displays the SuperBooks 4.0 application window. The title bar reads "sb SuperBooks 4.0 by Justin Boyd". The menu bar includes "File", "Reports", "Edit", "Tools", and "Help". The main content area features the "superbooks" logo and a "VIEWER" tab. The form is divided into two sections: "Client Information" and "Invoice Information".

Client Information:

Company:	Apple	Address 1:	111 A St
First Name:	Albert	Address 2:	Apt A
Last Name:	Adams	City:	Albuquerque
Phone:	111-111-1111	State:	NM
E-mail:	albert@apple.com	Zip:	11111

Invoice Information:

Invoice ID:	2	Rate:	25.00
Invoice Date:	01 Jan 2010	Hours:	30.00
Product:	Web Design	Sub Total:	\$ 750.00
Other:		Tax:	\$ 52.50

Buttons: Save, Clear, Exit

Status bar: 5/1/2010 4:14:12 PM :: Enter or Edit Supplemental Address Information

SuperBooks User Interface

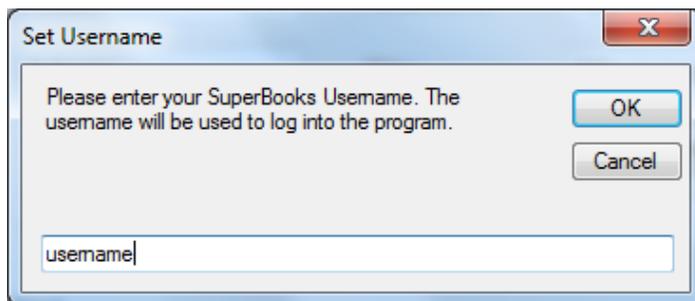
The menu bar, highlighted in red, in the above image contains your traditional menu functions, as well as some additional tools. SuperBooks features an Invoice Tab for you to enter in your invoice information and a Viewer Tab that shows you a quick, yet complete list of all invoices in the database. The status bar displays the current time as well as useful information and hints based on where the cursor is located within the form.

A more detailed explanation of the user interface and its different areas, functions and parts will be covered throughout this documentation.

Setting Username and Password

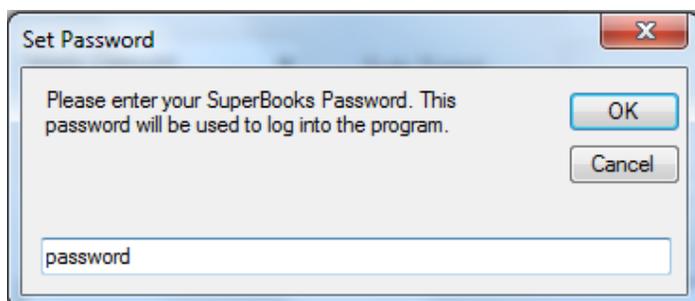
Now that you have logged into SuperBooks for the first time it is highly recommended that you set your username and password.

First, click on the Tools menu and select Set Username and enter a username.



Set Username dialog

Second, click on the Tools menu again and select Set Password.



Set Password dialog

When setting your password it is important to choose a password that you can remember, but that someone could not guess. A strong password is highly

recommended. A strong password is at least eight characters long and should have at least two uppercase letters, two lowercase letters, two special character and two numbers.

Invoices

SuperBooks is an invoicing program and does just that – accepts your invoices, calculates totals, stores your invoices and generates reports for your clients. Below you will learn how to navigate through your invoices, enter a new invoice , modify and save and invoice and delete an invoice.

Invoice Navigator

After logging in to SuperBooks, the Invoice Tab is displayed and your invoices are available, having populated their appropriate text boxes. The invoice navigator, located just below the Invoice Tab, allows you to:



- Scroll through invoices
- Create a new invoice 
- Save an invoice 
- Delete an invoice 

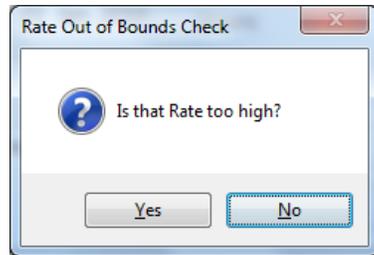
Create a New Invoice

In order to create a new record, click the Create Invoice  button. The Invoice Tab is broken down into two groups:

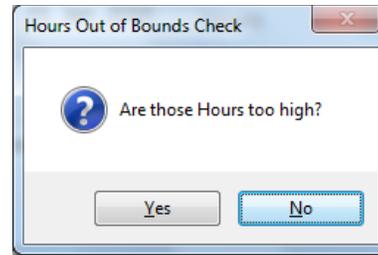
Client Information: enter your client's company and mailing information.

Invoice Information: enter the product, rate and hours information.

By default the rate and hours have a recommended maximum amount. If you enter a rate higher than 150 or more than 40 hours, you will see one of the two warnings displayed below. Simply choose **No** to confirm your rate and hours, or choose **Yes** to enter a different number.

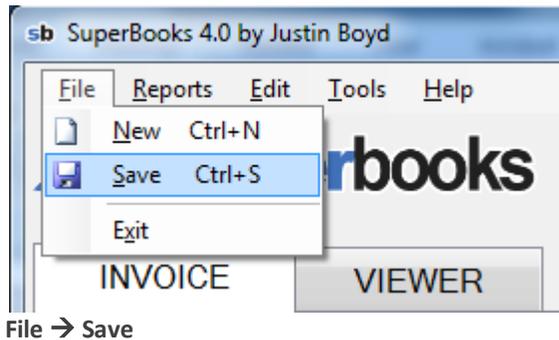


Rate Range Check



Hours Range Check

Finally, once you have created your new invoice, you must save! Your new invoice will not save automatically.



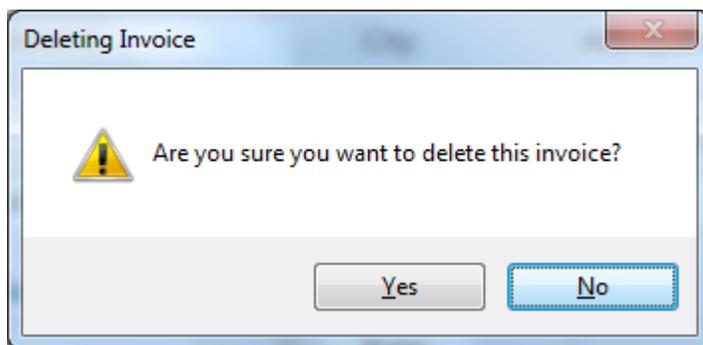
File → Save

To save your new invoice you have a few different options. You can choose to press the save button  on the invoice navigator, the save button located below the Invoice Tab. Finally, you can select File and then Save or press Ctrl + S.

Modifying an Invoice

Modifying an invoice is very straightforward. Because your current invoices are displayed in the same text boxes that you use to enter a new invoice, you can simply begin editing any invoice that is displayed on the Invoice Tab.

However, in order for your modifications to save, you must use one of the saving methods discussed above.



Deleting Invoice Dialog

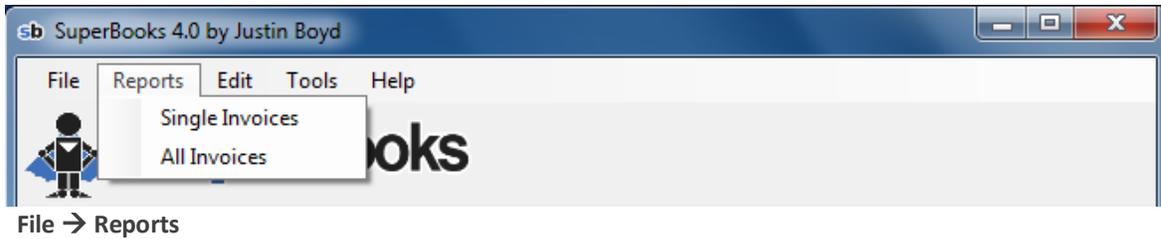
Deleting an Invoice

The user only has one method, for deleting an invoice. Simply press the delete button  on the Invoice Navigator to delete the invoice that is currently being viewed.

When the user presses the delete button, a warning dialog will appear asking the user if they are sure that they want to delete the current file. Keep in mind, that if the user chooses Yes, then the invoice will be permanently removed.

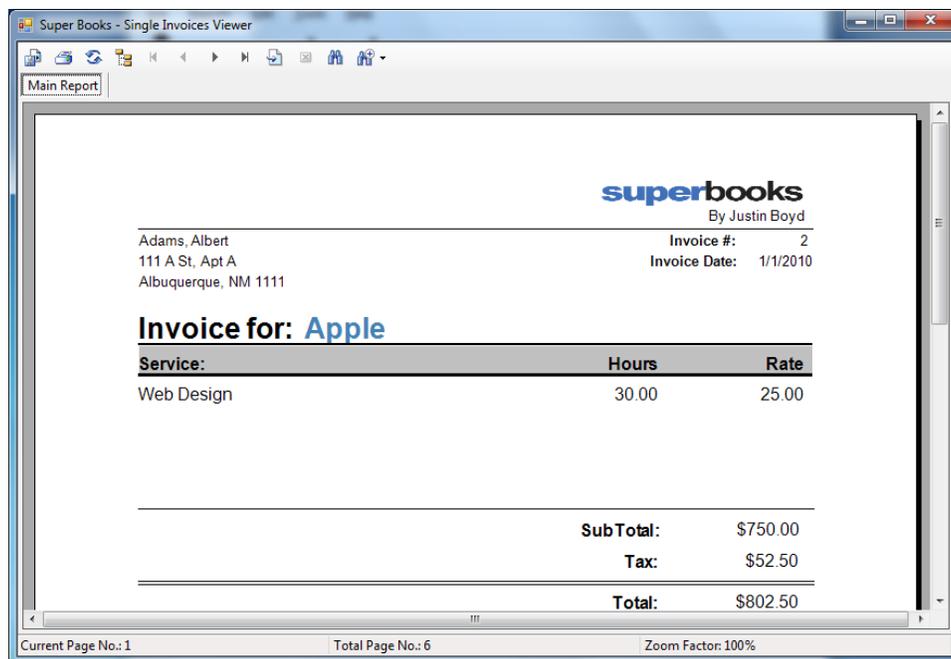
Reports

Now that you know how to create, save and delete your invoices, the next powerful feature available to you in SuperBooks includes Invoice Reports. To access reports, the user can click Reports from the Menu Bar or right click on the anywhere on the Invoice Tab.



Single Invoices

When you select Single Invoices from the Report menu, the Single Invoices Viewer will open in a separate window.



Single Invoices Viewer

Within this new window you will see a Single Invoice for the first invoice from your SuperBooks database. Use the left and right arrows  to navigate

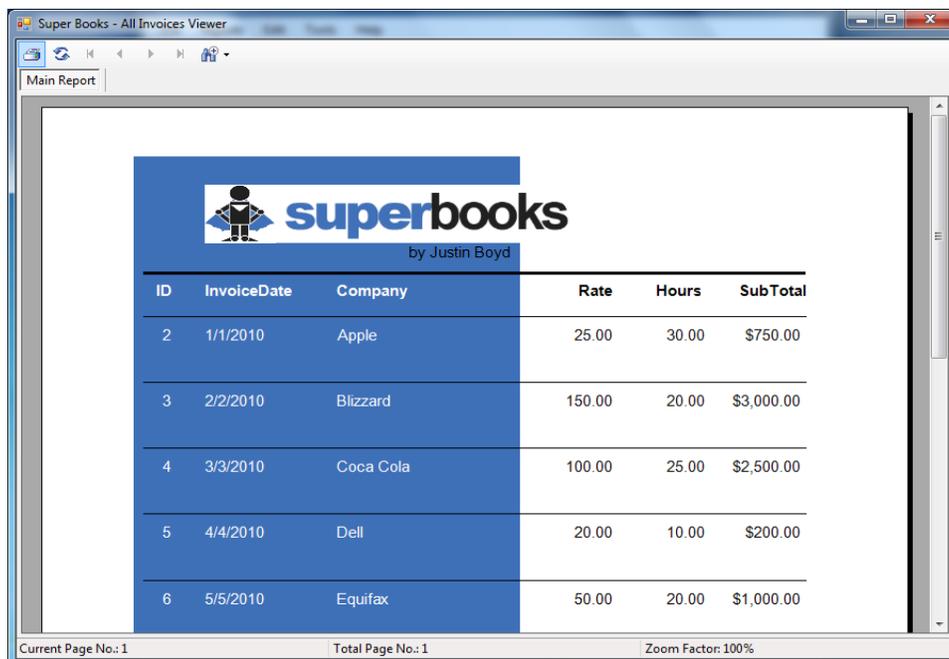
through the Single Invoice Reports. You can find a Single Invoice report at the end of this documentation in Appendix 1.

To print a Single Invoice Report, click the print icon , at which point a default Windows Print dialog will open in a separate window and the user can choose to print one, multiple, or all single invoice reports.

The Single Invoice Report lists the company and the product associated with the invoice, including the hours, rate, subtotal, tax and total – everything you will need to properly bill your client!

All Invoices

When you select All Invoices from the Report menu, the All Invoices Viewer will open in a separate window.



ID	InvoiceDate	Company	Rate	Hours	SubTotal
2	1/1/2010	Apple	25.00	30.00	\$750.00
3	2/2/2010	Blizzard	150.00	20.00	\$3,000.00
4	3/3/2010	Coca Cola	100.00	25.00	\$2,500.00
5	4/4/2010	Dell	20.00	10.00	\$200.00
6	5/5/2010	Equifax	50.00	20.00	\$1,000.00

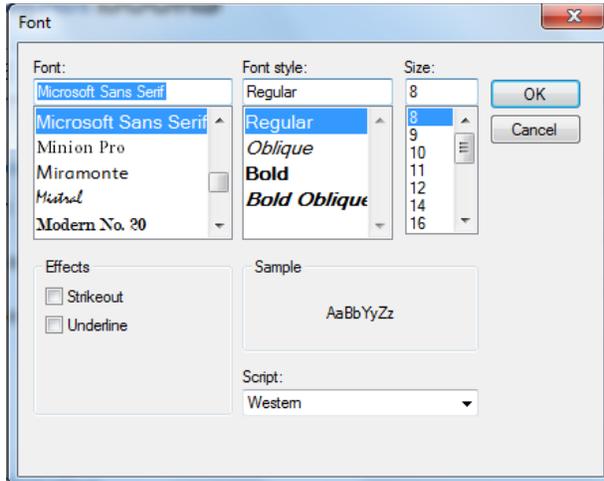
All Invoices Viewer

Within this new window you will see a single All Invoices report. This report is designed to show you a report that is similar to the information found on the Viewer Tab in the main program. The All Invoices report is designed to give the user a quick view of all invoices, including rate, hours and subtotal.

Additionally, at the bottom of the All Invoices report, you will find totals for rate, hours and subtotal. Finally, you will also find an average of the rate, hours and subtotals of all invoices. You can find an All Invoices report at the end of this documentation in Appendix 2.

More SuperBooks

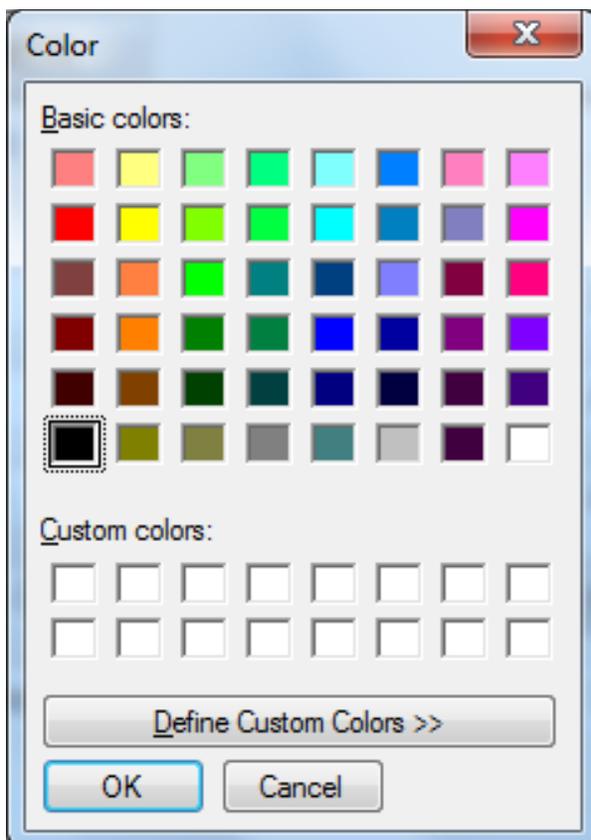
The following section is intended to show the user some more features found in SuperBooks that are not essential to the basic SuperBooks invoicing programs.



Font dialog

Edit Font

SuperBooks includes a function that allows the user to change the font, font size and font style of the Invoice program by selecting Edit and then Edit Font. This ease of use function is designed to help users choose a font of their choice, perhaps one that is easier for them to see.



Color Dialog

Edit Color

In addition changing the font, font size and font style, SuperBooks also includes a function that allows the user to change the font color. Found by selecting Edit Color from the Edit menu, this feature is designed to allow the user the ability to alter the user interface to their liking.

The user can reset the both the custom font selection and custom color selection back to the SuperBooks default by select Reset from the Edit menu.

Data Backup

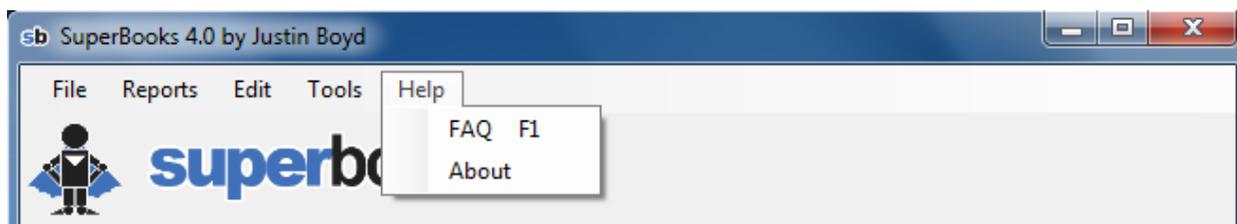
Data Backup should be handled by the system administrator or delegated to a trained and qualified user by a system administrator. There is essentially only one file that must be backed up at a regular interval. That file is the superbooks.mdb file and is located in the same directory as the superbooks.exe application.

The interval of backing up the database is at the discretion of the system administrator. The interval should be set depending on the amount of data being entered into the SuperBooks program and how often. Backups could be daily, weekly, monthly or any other interval the system administrator deems appropriate.

FAQ

SuperBooks includes a Frequently Asked Questions in place of a traditional help file and can be found under the Help menu. The FAQ file is designed to answer some of the most frequent questions asked by SuperBooks users.

Additional help can be found with the system administrator, the SuperBooks website or the SuperBooks toll-free 800 number.



FAQ and the Help menu

Appendix 1: Single Invoices Report

superbooks
By Justin Boyd

Adams, Albert
111 A St, Apt A
Albuquerque, NM 111

Invoice #: 2
Invoice Date: 1/1/2010

Invoice for: Apple

Service:	Hours	Rate
Web Design	30.00	25.00

SubTotal:	\$750.00
Tax:	\$52.50
Total:	\$802.50

Thank You For Your Business!

Page 1 of 6

Appendix 2: All Invoices Report



ID	InvoiceDate	Company	Rate	Hours	SubTotal
2	1/1/2010	Apple	25.00	30.00	\$750.00
3	2/2/2010	Blizzard	150.00	20.00	\$3,000.00
4	3/3/2010	Coca Cola	100.00	25.00	\$2,500.00
5	4/4/2010	Dell	20.00	10.00	\$200.00
6	5/5/2010	Equifax	50.00	20.00	\$1,000.00
7	6/6/2010	Fidelity	150.00	40.00	\$6,000.00
TOTAL:			495.00	145.00	\$13,450.00
AVERAGE:			82.50	24.17	\$2,241.67
<hr/>					
Total Invoices: 6					
This report was printed on: 5/1/2010					Page 1 of 1

Appendix 3: Main Entry Code

```
1 'WHO: Justin Boyd
2 'WHAT: SuperBooks, VB 2008 Invoice Program
3 'WHEN: SCF, Spring 2010 - COP 2171C with Floyd J. Winters
4
5 'TO DO:
6 'Documentation Packet
7
8 Option Strict On
9
10 Imports System.Drawing
11 Imports System.Drawing.Image
12 Imports System
13 Imports System.IO
14
15 Public Class sbMainEntry
16
17 #Region "START"
18 'GLOBAL VARIABLES
19 'calculation and formatting variables
20 Dim varRate As Decimal
21 Dim varHours As Decimal
22 Dim varSubTotal As Decimal
23 Dim varTaxRate As Decimal = 0.07D
24 Dim varTax As Decimal
25 Dim varTotal As Decimal
26 'collection and control variables
27 Dim colFormControls As New Collection()
28 Dim ctrlFormControls As New Control
29
30 'LOAD
31 Private Sub sbMainEntry_Load(ByVal sender As System.Object, ByVal e As
32 System.EventArgs) Handles MyBase.Load
33 'TODO: This line of code loads data into the
34 'SuperbooksDataSet.invoices' table. You can move, or remove it, as needed.
35 Me.InvoicesTableAdapter.Fill(Me.SuperbooksDataSet.invoices)
36 statSysDate.Text = CStr(Now())
37 statToolTip.Text = ""
38 Me.Size = New System.Drawing.Size(660, 720)
39 Call Calculation()
40 'Control Collection
41 With colFormControls
42 'Client Info Labels
43 .Add(lblCompany)
44 .Add(lblFirstName)
45 .Add(lblLastName)
46 .Add(lblPhone)
47 .Add(lblEmail)
48 .Add(lblAddress1)
49 .Add(lblAddress2)
50 .Add(lblCity)
51 .Add(lblState)
52 .Add(lblZip)
```

```
53         'Invoice Info Labels
54         .Add(lblInvoiceID)
55         .Add(lblProduct)
56         .Add(lblOther)
57         .Add(lblRate)
58         .Add(lblHours)
59         .Add(lblInvoiceDate)
60         .Add(lblSubTotal)
61         .Add(cbxTax)
62         .Add(lblTotal)
63         'Client Info TextBoxes / ComboBoxes
64         .Add(DbCompanyTextBox)
65         .Add(DbFirstNameTextBox)
66         .Add(DbLastNameTextBox)
67         .Add(DbPhoneNumberTextBox)
68         .Add(DbEmailTextBox)
69         .Add(DbAddress1TextBox)
70         .Add(DbAddress2TextBox)
71         .Add(DbCityTextBox)
72         .Add(DbStateComboBox)
73         .Add(DbZipTextBox)
74         'Invoice Info TextBoxes / ComboBoxes
75         .Add(DbInvoiceIDTextBox)
76         .Add(DbProductComboBox)
77         .Add(DbOtherTextBox)
78         .Add(DbRateTextBox)
79         .Add(DbHoursTextBox)
80         .Add(DbInvoiceDateDateTimePicker)
81         .Add(txtTax)
82         .Add(txtTotal)
83     End With
84
85
86     End Sub
87
88 #End Region
89
90 #Region "CLIENT INPUTS"
91     'Company Inputs
92     Private Sub DbCompanyTextbox_Enter(ByVal sender As Object, ByVal e As
93 System.EventArgs) Handles DbCompanyTextBox.Enter
94         DbCompanyTextBox.BackColor = Color.PaleTurquoise
95         DbCompanyTextBox.SelectAll()
96         statToolTip.Text = ":: Enter or Edit Company Name"
97     End Sub ' Company TextBox Enter
98     Private Sub DbCompanyTextBox_Leave(ByVal sender As Object, ByVal e As
99 System.EventArgs) Handles DbCompanyTextBox.Leave
100         DbCompanyTextBox.BackColor = Color.White
101         statToolTip.Text = ""
102     End Sub ' Company TextBox Leave
103
104     'First Name Inputs
105     Private Sub DbFirstNameTextbox_Enter(ByVal sender As Object, ByVal e As
106 System.EventArgs) Handles DbFirstNameTextBox.Enter
107         DbFirstNameTextBox.BackColor = Color.PaleTurquoise
108         DbFirstNameTextBox.SelectAll()
109         statToolTip.Text = ":: Enter or Edit First Name"
```

```
110     End Sub 'First Name TextBox Enter
111     Private Sub DbFirstNameTextbox_Leave(ByVal sender As Object, ByVal e As
112 System.EventArgs) Handles DbFirstNameTextBox.Leave
113         DbFirstNameTextBox.BackColor = Color.White
114         statToolTip.Text = ""
115     End Sub 'First Name TextBox Exit
116
117     'Last Name Inputs
118     Private Sub DbLastNameTextbox_Enter(ByVal sender As Object, ByVal e As
119 System.EventArgs) Handles DbLastNameTextBox.Enter
120         DbLastNameTextBox.BackColor = Color.PaleTurquoise
121         DbLastNameTextBox.SelectAll()
122         statToolTip.Text = ":: Enter or Edit Last Name"
123     End Sub 'Last Name TextBox Enter
124     Private Sub DbLastNameTextbox_Leave(ByVal sender As Object, ByVal e As
125 System.EventArgs) Handles DbLastNameTextBox.Leave
126         DbLastNameTextBox.BackColor = Color.White
127         statToolTip.Text = ""
128     End Sub 'Last Name TextBox Leave
129
130     'Phone Inputs
131     Private Sub DbPhoneNumberTextbox_Enter(ByVal sender As Object, ByVal e As
132 System.EventArgs) Handles DbPhoneNumberTextBox.Enter
133         DbPhoneNumberTextBox.BackColor = Color.PaleTurquoise
134         DbPhoneNumberTextBox.SelectAll()
135         statToolTip.Text = ":: Enter or Edit Phone Number"
136     End Sub 'Phone TextBox Enter
137     Private Sub DbPhoneNumberTextbox_Leave(ByVal sender As Object, ByVal e As
138 System.EventArgs) Handles DbPhoneNumberTextBox.Leave
139         DbPhoneNumberTextBox.BackColor = Color.White
140         statToolTip.Text = ""
141     End Sub 'Phone TextBox Leave
142
143     'Email Inputs
144     Private Sub DbEmailTextbox_Enter(ByVal sender As Object, ByVal e As
145 System.EventArgs) Handles DbEmailTextBox.Enter
146         DbEmailTextBox.BackColor = Color.PaleTurquoise
147         DbEmailTextBox.SelectAll()
148         statToolTip.Text = ":: Enter or Edit Email Address"
149     End Sub 'Email TextBox Enter
150     Private Sub DbEmailTextbox_Leave(ByVal sender As Object, ByVal e As
151 System.EventArgs) Handles DbEmailTextBox.Leave
152         DbEmailTextBox.BackColor = Color.White
153         statToolTip.Text = ""
154     End Sub 'Email TextBox Leave
155
156     'Address1 Inputs
157     Private Sub DbAddress1Textbox_Enter(ByVal sender As Object, ByVal e As
158 System.EventArgs) Handles DbAddress1TextBox.Enter
159         DbAddress1TextBox.BackColor = Color.PaleTurquoise
160         DbAddress1TextBox.SelectAll()
161         statToolTip.Text = ":: Enter or Edit Address Information"
162     End Sub 'Address1 TextBox Enter
163     Private Sub DbAddress1Textbox_Leave(ByVal sender As Object, ByVal e As
164 System.EventArgs) Handles DbAddress1TextBox.Leave
165         DbAddress1TextBox.BackColor = Color.White
166         statToolTip.Text = ""
```

```
167     End Sub 'Address1 TextBox Leave
168
169     'Address2 Inputs
170     Private Sub DbAddress2Textbox_Enter(ByVal sender As Object, ByVal e As
171 System.EventArgs) Handles DbAddress2TextBox.Enter
172         DbAddress2TextBox.BackColor = Color.PaleTurquoise
173         DbAddress2TextBox.SelectAll()
174         statToolTip.Text = ":: Enter or Edit Supplemental Address
175 Information"
176     End Sub 'Address2 TextBox Enter
177     Private Sub DbAddress2Textbox_Leave(ByVal sender As Object, ByVal e As
178 System.EventArgs) Handles DbAddress2TextBox.Leave
179         DbAddress2TextBox.BackColor = Color.White
180         statToolTip.Text = ""
181     End Sub 'Address2 TextBox Leave
182
183     'City Inputs
184     Private Sub DbCityTextbox_Enter(ByVal sender As Object, ByVal e As
185 System.EventArgs) Handles DbCityTextBox.Enter
186         DbCityTextBox.BackColor = Color.PaleTurquoise
187         DbCityTextBox.SelectAll()
188         statToolTip.Text = ":: Enter or Edit City"
189     End Sub 'City TextBox Enter
190     Private Sub DbCityTextbox_Leave(ByVal sender As Object, ByVal e As
191 System.EventArgs) Handles DbCityTextBox.Leave
192         DbCityTextBox.BackColor = Color.White
193         statToolTip.Text = ""
194     End Sub 'City TextBox Leave
195
196     'State Inputs
197     Private Sub DbStateComboBox_Enter(ByVal sender As Object, ByVal e As
198 System.EventArgs) Handles DbStateComboBox.Enter
199         DbStateComboBox.BackColor = Color.PaleTurquoise
200         DbStateComboBox.SelectAll()
201         statToolTip.Text = ":: Enter or Edit State"
202     End Sub 'State ComboBox Enter
203     Private Sub DbStateComboBox_Leave(ByVal sender As Object, ByVal e As
204 System.EventArgs) Handles DbStateComboBox.Leave
205         DbStateComboBox.BackColor = Color.White
206         statToolTip.Text = ""
207     End Sub 'State ComboBox Leave
208
209     'Zip Inputs
210     Private Sub DbZipTextbox_Enter(ByVal sender As Object, ByVal e As
211 System.EventArgs) Handles DbZipTextBox.Enter
212         DbZipTextBox.BackColor = Color.PaleTurquoise
213         DbZipTextBox.SelectAll()
214         statToolTip.Text = ":: Enter or Edit Zip"
215     End Sub 'Zip TextBox Enter
216     Private Sub DbZipTextbox_Leave(ByVal sender As Object, ByVal e As
217 System.EventArgs) Handles DbZipTextBox.Leave
218         DbZipTextBox.BackColor = Color.White
219         statToolTip.Text = ""
220     End Sub 'Zip TextBox Leave
221
222 #End Region
223
```

```
224 #Region "INVOICE INPUTS"
225
226     'Product Inputs
227     Private Sub DbProductComboBox_Enter(ByVal sender As Object, ByVal e As
228 System.EventArgs) Handles DbProductComboBox.Enter
229         DbProductComboBox.BackColor = Color.PaleTurquoise
230         DbProductComboBox.SelectAll()
231         statToolTip.Text = ":: Enter or Edit Product"
232         Call Calculation()
233     End Sub 'Product ComboBox Enter
234     Private Sub DbProductComboBox_Leave(ByVal sender As Object, ByVal e As
235 System.EventArgs) Handles DbProductComboBox.Leave
236         DbProductComboBox.BackColor = Color.White
237         statToolTip.Text = ""
238         Call Calculation()
239     End Sub 'Product ComboBox Leave
240     Private Sub DbProductComboBox_SelectedIndexChanged(ByVal sender As
241 System.Object, ByVal e As System.EventArgs) Handles
242 DbProductComboBox.SelectedIndexChanged
243         If DbProductComboBox.Text = "Site Design" Then
244             varRate = CDec(25.0)
245             DbRateTextBox.Text = FormatNumber(varRate, 2)
246         ElseIf DbProductComboBox.Text = "Page Design" Then
247             varRate = CDec(20.0)
248             DbRateTextBox.Text = FormatNumber(varRate, 2)
249         ElseIf DbProductComboBox.Text = "Logo Design" Then
250             varRate = CDec(100.0)
251             DbRateTextBox.Text = FormatNumber(varRate, 2)
252         ElseIf DbProductComboBox.Text = "Flash Design" Then
253             varRate = CDec(150.0)
254             DbRateTextBox.Text = FormatNumber(varRate, 2)
255         ElseIf DbProductComboBox.Text = "SEO" Then
256             varRate = CDec(25.0)
257             DbRateTextBox.Text = FormatNumber(varRate, 2)
258         ElseIf DbProductComboBox.Text = "Maintenance" Then
259             varRate = CDec(25.0)
260             DbRateTextBox.Text = FormatNumber(varRate, 2)
261         ElseIf DbProductComboBox.Text = "Other" Then
262             varRate = CDec(0.0)
263             DbRateTextBox.Text = FormatNumber(varRate, 2)
264             DbOtherTextBox.Enabled = True
265             DbRateTextBox.Enabled = True
266         End If
267         Call Calculation()
268     End Sub 'Product Combobox Set Rate
269
270     'Rate Inputs
271     Private Sub DbOtherTextBox_Enter(ByVal sender As Object, ByVal e As
272 System.EventArgs) Handles DbOtherTextBox.Enter
273         DbOtherTextBox.BackColor = Color.PaleTurquoise
274         DbOtherTextBox.SelectAll()
275         statToolTip.Text = ":: Enter or Edit your own Product"
276         Call Calculation()
277     End Sub 'Rate TextBox Enter
278     Private Sub DbOtherTextBox_Leave(ByVal sender As Object, ByVal e As
279 System.EventArgs) Handles DbOtherTextBox.Leave
280         DbOtherTextBox.BackColor = Color.White
```

```
281         statToolTip.Text = ""
282         Call Calculation()
283     End Sub 'Rate TextBox Leave
284
285     'Rate Inputs
286     Private Sub DbRateTextBox_Enter(ByVal sender As Object, ByVal e As
287 System.EventArgs) Handles DbRateTextBox.Enter
288         DbRateTextBox.BackColor = Color.PaleTurquoise
289         DbRateTextBox.SelectAll()
290         statToolTip.Text = ":: Enter or Edit Rate"
291         Call Calculation()
292     End Sub 'Rate TextBox Enter
293     Private Sub DbRateTextBox_Leave(ByVal sender As Object, ByVal e As
294 System.EventArgs) Handles DbRateTextBox.Leave
295         varRate = CDec(Val(DbRateTextBox.Text))
296         Dim CheckRate As Windows.Forms.DialogResult
297         If IsNumeric(DbRateTextBox.Text) Then
298             DbRateTextBox.Text = Format(Val(DbRateTextBox.Text),
299 "##,###0.00")
300         Else
301             MessageBox.Show("Please enter only numbers in the Rate TextBox.",
302 "Rate TextBox Entry Error")
303             DbRateTextBox.Focus()
304             DbRateTextBox.SelectAll()
305         Exit Sub 'Keeps Out of Range Check from executing on a non-
306 numeric entry
307         End If
308         If CDec(DbRateTextBox.Text) > 150 Then
309             CheckRate = MessageBox.Show("Is that Rate too high?", "Rate Out
310 of Bounds Check", MessageBoxButtons.YesNo, MessageBoxIcon.Question,
311 MessageBoxDefaultButton.Button2)
312             If CheckRate = Windows.Forms.DialogResult.Yes Then
313                 DbRateTextBox.Focus()
314                 DbRateTextBox.SelectAll()
315             End If
316         End If
317         DbRateTextBox.BackColor = Color.White
318         statToolTip.Text = ""
319         Call Calculation()
320     End Sub 'Rate TextBox Leave
321
322     'Hours Inputs
323     Private Sub DbHoursTextBox_Enter(ByVal sender As Object, ByVal e As
324 System.EventArgs) Handles DbHoursTextBox.Enter
325         DbHoursTextBox.BackColor = Color.PaleTurquoise
326         DbHoursTextBox.SelectAll()
327         statToolTip.Text = ":: Enter or Edit Hours"
328         Call Calculation()
329     End Sub 'Hours TextBox Enter
330     Private Sub DbHoursTextBox_Leave(ByVal sender As Object, ByVal e As
331 System.EventArgs) Handles DbHoursTextBox.Leave
332         varHours = CDec(Val(DbHoursTextBox.Text))
333         Dim checkHours As Windows.Forms.DialogResult
334         If IsNumeric(DbHoursTextBox.Text) Then
335             DbHoursTextBox.Text = Format(Val(DbHoursTextBox.Text),
336 "##,###0.00")
337         Else
```

```
338         MessageBox.Show("Please enter only numbers in the Hours
339 TextBox.", "Hours TextBox Entry Error")
340         DbHoursTextBox.Focus()
341         DbHoursTextBox.SelectAll()
342         Exit Sub 'Keeps Out of Range Check from executing on a non-
343 numeric entry
344         End If
345         If CDec(DbHoursTextBox.Text) > 40 Then
346             checkHours = MessageBox.Show("Are those Hours too high?", "Hours
347 Out of Bounds Check", MessageBoxButtons.YesNo, MessageBoxIcon.Question,
348 MessageBoxDefaultButton.Button2)
349             If checkHours = Windows.Forms.DialogResult.Yes Then
350                 DbHoursTextBox.Focus()
351             End If
352         End If
353         DbHoursTextBox.BackColor = Color.White
354         statToolTip.Text = ""
355         Call Calculation()
356     End Sub 'Hours TextBox Leave
357
358     'Invoice Date Inputs
359     Private Sub DbInvoiceDateDateTimePicker_Enter(ByVal sender As Object,
360 ByVal e As System.EventArgs) Handles DbInvoiceDateDateTimePicker.Enter
361         DbInvoiceDateDateTimePicker.CalendarMonthBackground =
362 Color.PaleTurquoise
363         statToolTip.Text = ":: Enter or Edit Invoice Date"
364         Call Calculation()
365     End Sub 'Invoice Date DTP Enter
366     Private Sub DbInvoiceDateDateTimePicker_Leave(ByVal sender As Object,
367 ByVal e As System.EventArgs) Handles DbInvoiceDateDateTimePicker.Leave
368         DbInvoiceDateDateTimePicker.CalendarMonthBackground = Color.White
369         statToolTip.Text = ""
370         Call Calculation()
371     End Sub 'Invoice Date DTP Leave
372
373     'Tax CheckBox
374     Private Sub cbxTax_CheckedChanged(ByVal sender As System.Object, ByVal e
375 As System.EventArgs) Handles cbxTax.CheckedChanged
376         If cbxTax.Checked = True Then
377             varTaxRate = CDec(0.0)
378         Else
379             varTaxRate = 0.07D
380         End If
381         Call Calculation()
382     End Sub 'Tax CheckBox
383
384
385 #End Region
386
387 #Region "FUNCTIONS"
388
389     Private Sub Calculation()
390         Try
391             varSubTotal = CDec(Val(DbRateTextBox.Text) *
392 Val(DbHoursTextBox.Text))
393             varTax = varSubTotal * varTaxRate
394             varTotal = varSubTotal + varTax
```

```
395         SubTotalTextBox.Text = "$" & " " & CStr(FormatNumber(varSubTotal,
396 2))
397         txtTax.Text = "$" & " " & CStr(FormatNumber(varTax, 2))
398         txtTotal.Text = "$" & " " & CStr(FormatNumber(varTotal, 2))
399     Catch ex As Exception
400         MessageBox.Show("There was a calculation error", "Calculation
401 Error")
402         DbFirstNameTextBox.Focus()
403     End Try
404 End Sub
405
406 #End Region
407
408 #Region "MENUS & BUTTONS"
409
410     'Menu Strip
411
412     Private Sub mnuFileNew_Click(ByVal sender As System.Object, ByVal e As
413 System.EventArgs) Handles mnuFileNew.Click
414         BindingNavigatorAddNewItem.PerformClick()
415     End Sub 'File -> New
416     Private Sub mnuFileSave_Click(ByVal sender As System.Object, ByVal e As
417 System.EventArgs) Handles mnuFileSave.Click
418         InvoicesBindingNavigatorSaveItem.PerformClick()
419     End Sub 'File -> Save
420     Private Sub mnuFileExit_Click(ByVal sender As System.Object, ByVal e As
421 System.EventArgs) Handles mnuFileExit.Click
422         Dim CheckExit As Windows.Forms.DialogResult
423         CheckExit = MessageBox.Show("Are you sure you want to exit? Any
424 unsaved changes will be lost.", "Exit SuperBooks",
425 MessageBoxButtons.OKCancel, MessageBoxIcon.Exclamation)
426         If CheckExit = Windows.Forms.DialogResult.OK Then
427             Me.Close()
428         End If
429     End Sub 'File -> Exit
430
431     Private Sub mnuReportsSingle_Click(ByVal sender As System.Object, ByVal e
432 As System.EventArgs) Handles mnuReportsSingle.Click
433         sbReportSingle.ShowDialog()
434     End Sub 'Reports -> Single
435     Private Sub mnuReportsAll_Click(ByVal sender As System.Object, ByVal e As
436 System.EventArgs) Handles mnuReportsAll.Click
437         sbReportAll.ShowDialog()
438     End Sub 'Reports -> All
439
440     Private Sub mnuEditColor_Click(ByVal sender As System.Object, ByVal e As
441 System.EventArgs) Handles mnuEditColor.Click
442         dlogColor.ShowDialog()
443         For Each Me.ctrlFormControls In colFormControls
444             ctrlFormControls.ForeColor = dlogColor.Color
445         Next
446     End Sub 'Edit -> Color
447     Private Sub mnuEditFont_Click(ByVal sender As System.Object, ByVal e As
448 System.EventArgs) Handles mnuEditFont.Click
449         dlogFont.ShowDialog()
450         For Each Me.ctrlFormControls In colFormControls
451             If dlogFont.Font.SizeInPoints <= 14 Then
```

```
452         ctrlFormControls.Font = dlogFont.Font
453     Else
454         MessageBox.Show("Font Size must be size 14 or less.", "Font
455 Size Too Big!")
456         dlogFont.ShowDialog()
457     End If
458 Next
459
460 End Sub 'Edit -> Font
461 Private Sub mnuEditReset_Click(ByVal sender As System.Object, ByVal e As
462 System.EventArgs) Handles mnuEditReset.Click
463     For Each Me.ctrlFormControls In colFormControls
464         ctrlFormControls.ForeColor =
465 System.Drawing.Color.FromArgb(CType(CType(64, Byte), Integer),
466 CType(CType(64, Byte), Integer), CType(CType(64, Byte), Integer))
467         ctrlFormControls.Font = New System.Drawing.Font("Segoe UI",
468 11.25!, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
469 CType(0, Byte))
470     Next
471 End Sub 'Edit -> Reset
472
473 Private Sub mnuToolsSetUser_Click(ByVal sender As System.Object, ByVal e
474 As System.EventArgs) Handles mnuToolsSetUser.Click
475     Dim UserFile As System.IO.StreamWriter
476     Dim UserSet As String
477     UserFile = System.IO.File.CreateText("system.nfo")
478     UserSet = InputBox("Please enter your SuperBooks Username. The
479 username will be used to log into the program.", "Set User Name")
480     UserFile.WriteLine(UserSet)
481     UserFile.Close()
482 End Sub 'Tools -> Set User
483 Private Sub mnuToolsSetPassword_Click(ByVal sender As System.Object,
484 ByVal e As System.EventArgs) Handles mnuToolsSetPassword.Click
485     Dim PassFile As System.IO.StreamWriter
486     Dim PassSet As String
487     PassFile = System.IO.File.CreateText("accesss.nfo")
488     PassSet = InputBox("Please enter your SuperBooks Password. This
489 password will be used to log into the program.", "Set Password")
490     PassFile.WriteLine(PassSet)
491     PassFile.Close()
492 End Sub 'Tools -> Set Password
493 Private Sub mnuToolsCalculator_Click(ByVal sender As System.Object, ByVal
494 e As System.EventArgs) Handles mnuToolsCalculator.Click
495     Try
496         Process.Start("Calc")
497     Catch ex As Exception
498         MessageBox.Show("Calculator program was not found on this
499 computer", "Calculator Launch Error", MessageBoxButtons.OK,
500 MessageBoxIcon.Error)
501     End Try
502 End Sub 'Tools -> Calculator
503 Private Sub mnuToolsNotepad_Click(ByVal sender As System.Object, ByVal e
504 As System.EventArgs) Handles mnuToolsNotepad.Click
505     Try
506         Process.Start("Notepad")
507     Catch ex As Exception
```

```
508         MessageBox.Show("Notepad program was not found on this computer",
509 "Notepad Launch Error", MessageBoxButtons.OK, MessageBoxIcon.Error)
510     End Try
511 End Sub 'Tools -> Notepad
512
513 Private Sub mnuHelpContents_Click(ByVal sender As System.Object, ByVal e
514 As System.EventArgs) Handles mnuHelpContents.Click
515     Process.Start("Notepad", "../../Resources/FAQ.txt")
516 End Sub 'Help -> Contents
517 Private Sub mnuHelpAbout_Click(ByVal sender As System.Object, ByVal e As
518 System.EventArgs) Handles mnuHelpAbout.Click
519     sbAboutBox.ShowDialog()
520 End Sub 'Help -> About
521
522 'Data Binding
523 Private Sub InvoicesBindingNavigatorSaveItem_Click(ByVal sender As
524 System.Object, ByVal e As System.EventArgs) Handles
525 InvoicesBindingNavigatorSaveItem.Click
526     Try
527         Me.Validate()
528         Me.InvoicesBindingSource.EndEdit()
529         Me.TableAdapterManager.UpdateAll(Me.SuperbooksDataSet)
530         Dim SaveData As Windows.Forms.DialogResult
531         SaveData = MessageBox.Show("Your changes/additions have been
532 saved.", "Save Dialog", MessageBoxButtons.OK, MessageBoxIcon.Information)
533         If SaveData = Windows.Forms.DialogResult.OK Then
534             Call Calculation()
535             DbCompanyTextBox.Focus()
536         End If
537     Catch ex As Exception
538         MessageBox.Show("SuperBooks was unable to save or modify your
539 record. Please restart the program.", "Saving Error")
540     Exit Sub
541 End Try
542
543 End Sub 'Binding Save Button
544 Private Sub BindingNavigatorDeleteItem_Click(ByVal sender As
545 System.Object, ByVal e As System.EventArgs) Handles
546 BindingNavigatorDeleteItem.Click
547     Dim DeleteItem As Windows.Forms.DialogResult
548     DeleteItem = MessageBox.Show("Are you sure you want to delete this
549 invoice?", "Deleting Invoice", MessageBoxButtons.YesNo,
550 MessageBoxIcon.Exclamation, MessageBoxDefaultButton.Button2)
551     If DeleteItem = Windows.Forms.DialogResult.Yes Then
552         InvoicesBindingSource.RemoveCurrent()
553         InvoicesBindingSource.EndEdit()
554         InvoicesBindingNavigatorSaveItem.PerformClick()
555     Else
556         Exit Sub
557     End If
558 End Sub 'Binding Delete Button
559 Private Sub BindingNavigatorMoveFirstItem_Click(ByVal sender As
560 System.Object, ByVal e As System.EventArgs) Handles
561 BindingNavigatorMoveFirstItem.Click
562     Call Calculation()
563 End Sub ' Binding First Button
```

```
564     Private Sub BindingNavigatorMovePreviousItem_Click(ByVal sender As
565 System.Object, ByVal e As System.EventArgs) Handles
566 BindingNavigatorMovePreviousItem.Click
567     Call Calculation()
568 End Sub 'Binding Previous Button
569     Private Sub BindingNavigatorMoveNextItem_Click(ByVal sender As
570 System.Object, ByVal e As System.EventArgs) Handles
571 BindingNavigatorMoveNextItem.Click
572     Call Calculation()
573 End Sub 'Binding Next Button
574     Private Sub BindingNavigatorMoveLastItem_Click(ByVal sender As
575 System.Object, ByVal e As System.EventArgs) Handles
576 BindingNavigatorMoveLastItem.Click
577     Call Calculation()
578 End Sub 'Binding Last Button
579
580 'Right Click (Context) Menu
581     Private Sub rtcReportAll_Click(ByVal sender As System.Object, ByVal e As
582 System.EventArgs) Handles rtcReportAll.Click
583     mnuReportsAll.PerformClick()
584 End Sub 'Right Click -> Report -> All
585     Private Sub rtcReportSingle_Click(ByVal sender As System.Object, ByVal e
586 As System.EventArgs) Handles rtcReportSingle.Click
587     mnuReportsSingle.PerformClick()
588 End Sub 'Right Click -> Report -> Single
589     Private Sub rtcEditFont_Click(ByVal sender As System.Object, ByVal e As
590 System.EventArgs) Handles rtcEditFont.Click
591     mnuEditFont.PerformClick()
592 End Sub 'Right Click -> Edit Font
593     Private Sub rtcEditColor_Click(ByVal sender As System.Object, ByVal e As
594 System.EventArgs) Handles rtcEditColor.Click
595     mnuEditColor.PerformClick()
596 End Sub 'Right Click -> Edit Color
597     Private Sub rtcHelp_Click(ByVal sender As System.Object, ByVal e As
598 System.EventArgs) Handles rtcHelp.Click
599     mnuHelpContents.PerformClick()
600 End Sub 'Right Click -> Help
601
602 'Misc Buttons
603     Private Sub btnSave_Click(ByVal sender As System.Object, ByVal e As
604 System.EventArgs) Handles btnSave.Click
605     InvoicesBindingNavigatorSaveItem.PerformClick()
606 End Sub 'Save Button
607     Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As
608 System.EventArgs) Handles btnClear.Click
609     Dim ClearInvoice As Windows.Forms.DialogResult
610     ClearInvoice = MessageBox.Show("Clearing the form DOES NOT update
611 your database. You still must save for changes to take effect.", "Clearing
612 Invoice", MessageBoxButtons.OKCancel, MessageBoxIcon.Information,
613 MessageBoxDefaultButton.Button1)
614     If ClearInvoice = Windows.Forms.DialogResult.OK Then
615         DbCompanyTextBox.Clear()
616         DbFirstNameTextBox.Clear()
617         DbLastNameTextBox.Clear()
618         DbPhoneNumberTextBox.Clear()
619         DbEmailTextBox.Clear()
620         DbAddress1TextBox.Clear()
```

```
621         DbAddress2TextBox.Clear()
622         DbCityTextBox.Clear()
623         DbStateComboBox.Text = "FL"
624         DbZipTextBox.Clear()
625         DbInvoiceIDTextBox.Clear()
626         DbInvoiceDateDateTimePicker.Text = CStr(Now())
627         DbRateTextBox.Clear()
628         DbProductComboBox.SelectedItem = "Site Design"
629         DbHoursTextBox.Clear()
630         Call Calculation()
631     End If
632 End Sub 'Clear Button
633 Private Sub btnExit_Click(ByVal sender As System.Object, ByVal e As
634 System.EventArgs) Handles btnExit.Click
635     mnuFileExit.PerformClick()
636 End Sub 'Exit Button
637
638 #End Region
639
640 End Class
```

Appendix 4: Splash Screen Code

```
1 Public NotInheritable Class sbSplashScreen
2
3     'TODO: This form can easily be set as the splash screen for the
4     application by going to the "Application" tab
5     ' of the Project Designer ("Properties" under the "Project" menu).
6
7
8     Private Sub frmSplashScreen_Load(ByVal sender As Object, ByVal e As
9     System.EventArgs) Handles Me.Load
10        'Set up the dialog text at runtime according to the application's
11        assembly information.
12
13        'TODO: Customize the application's assembly information in the
14        "Application" pane of the project
15        ' properties dialog (under the "Project" menu).
16
17        'Application title
18        If My.Application.Info.Title <> "" Then
19            ApplicationTitle.Text = My.Application.Info.Title
20        Else
21            'If the application title is missing, use the application name,
22            without the extension
23            ApplicationTitle.Text =
24            System.IO.Path.GetFileNameWithoutExtension(My.Application.Info.AssemblyName)
25        End If
26
27        'Format the version information using the text set into the Version
28        control at design time as the
29        ' formatting string. This allows for effective localization if
30        desired.
31        ' Build and revision information could be included by using the
32        following code and changing the
33        ' Version control's designtime text to "Version {0}.{1:00}.{2}.{3}"
34        or something similar. See
35        ' String.Format() in Help for more information.
36        '
37        ' Version.Text = System.String.Format(Version.Text,
38        My.Application.Info.Version.Major, My.Application.Info.Version.Minor,
39        My.Application.Info.Version.Build, My.Application.Info.Version.Revision)
40
41        Version.Text = System.String.Format(Version.Text,
42        My.Application.Info.Version.Major, My.Application.Info.Version.Minor)
43
44        'Copyright info
45        Copyright.Text = My.Application.Info.Copyright
46    End Sub
47
48 End Class
```

Application Events

The following code is located in the ApplicationEvents.vb file, created when a Splash Screen is created and responsible for the Splash Screen's display time.

```
1 Namespace My
2
3     ' The following events are available for MyApplication:
4     '
5     ' Startup: Raised when the application starts, before the startup form is
6     created.
7     ' Shutdown: Raised after all application forms are closed. This event is
8     not raised if the application terminates abnormally.
9     ' UnhandledException: Raised if the application encounters an unhandled
10    exception.
11    ' StartupNextInstance: Raised when launching a single-instance
12    application and the application is already active.
13    ' NetworkAvailabilityChanged: Raised when the network connection is
14    connected or disconnected.
15    Partial Friend Class MyApplication
16
17        Protected Overrides Function OnInitialize(_
18        ByVal commandLineArgs As _
19        System.Collections.ObjectModel.ReadOnlyCollection(Of String) _
20        ) As Boolean
21            ' Set the display time to 5000 milliseconds (5 seconds).
22            Me.MinimumSplashScreenDisplayTime = 4000
23            Return MyBase.OnInitialize(commandLineArgs)
24        End Function
25
26    End Class
27
28 End Namespace
```

Appendix 5: Login Form Code

```
1 Imports System
2 Imports System.IO
3
4 Public Class sbLoginForm
5
6     ' TODO: Insert code to perform custom authentication using the provided
7     username and password
8     ' (See http://go.microsoft.com/fwlink/?LinkId=35339).
9     ' The custom principal can then be attached to the current thread's
10    principal as follows:
11    '     My.User.CurrentPrincipal = CustomPrincipal
12    ' where CustomPrincipal is the IPrincipal implementation used to perform
13    authentication.
14    ' Subsequently, My.User will return identity information encapsulated in
15    the CustomPrincipal object
16    ' such as the username, display name, etc.
17
18    'Dim varUserName As String = "j"
19    'Dim varLastName As String = "l"
20    Dim userTry As Integer = 1
21
22    Private Sub OK_Click(ByVal sender As System.Object, ByVal e As
23    System.EventArgs) Handles OK.Click
24        Dim UserGet As String
25        Dim PassGet As String
26        Using ur As StreamReader = New StreamReader('Location of Username)
27        Using pr As StreamReader = New StreamReader('Location of Password)
28            Dim ULine As String
29            Dim PLine As String
30            ULine = ur.ReadLine()
31            PLine = pr.ReadLine()
32            UserGet = ULine
33            PassGet = PLine
34            If txtUserName.Text.Trim = UserGet And txtPassword.Text.Trim
35    = PassGet Then
36                sbMainEntry.Show()
37                Me.Close()
38            Else
39                userTry += 1
40                If userTry > 3 Then
41                    MessageBox.Show("Too many failed attempts. Closing
42    program. Contact your System Administrator.", "Failed Logon",
43    MessageBoxButtons.OK, MessageBoxIcon.Error)
44                    Me.Close()
45                Else
46                    MessageBox.Show("Incorrect User Name / Password
47    Combination", "Username / Password Error", MessageBoxButtons.OK,
48    MessageBoxIcon.Warning, MessageBoxDefaultButton.Button1)
49                    txtUserName.Focus()
50                End If
51            End If
52            pr.Close()
```

```
53         ur.Close()
54     End Using
55 End Using
56 End Sub
57
58 Private Sub Cancel_Click(ByVal sender As System.Object, ByVal e As
59 System.EventArgs) Handles Cancel.Click
60     Me.Close()
61 End Sub
62
63 ' CLICK LOGO FOR TEMPORARY PASSWORD BYPASS :: Delete Before Finalized
64 Private Sub lblBD_Click(ByVal sender As System.Object, ByVal e As
65 System.EventArgs) Handles lblBD.Click
66     sbMainEntry.Show()
67     Me.Close()
68 End Sub
69
70 End Class
```

Appendix 6: About Form Code

```
Public NotInheritable Class sbAboutBox
```

```
    Private Sub AboutBox1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        ' Set the title of the form.
        Dim ApplicationTitle As String
        If My.Application.Info.Title <> "" Then
            ApplicationTitle = My.Application.Info.Title
        Else
            ApplicationTitle =
System.IO.Path.GetFileNameWithoutExtension(My.Application.Info.AssemblyName)
        End If
        Me.Text = String.Format("About {0}", ApplicationTitle)
        ' Initialize all of the text displayed on the About Box.
        ' TODO: Customize the application's assembly information in the
"Application" pane of the project
        '     properties dialog (under the "Project" menu).
        Me.LabelProductName.Text = My.Application.Info.ProductName
        Me.LabelVersion.Text = String.Format("Version {0}",
My.Application.Info.Version.ToString)
        Me.LabelCopyright.Text = My.Application.Info.Copyright
        Me.LabelCompanyName.Text = My.Application.Info.CompanyName
        Me.TextBoxDescription.Text = My.Application.Info.Description
    End Sub

    Private Sub OKButton_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles OKButton.Click
        Me.Close()
    End Sub

End Class
```