

Microtools Access Form UI Conversion Service Application

This Software as a Service tool allows you to convert Microsoft Access form UI to .NET Win Form, WPF or ASP .NET in the source of VB .NET/C#. After you create an account, you can log into the application. For the UI conversion, you can run this app directly from any folder that the tool is stored and purchase/preview the converted results simply with a few clicks; instead of buying and installing the conversion software. You will be then able to select any Access file and form(s) to convert. It displays a partial functional WinForm to preview before placing an order with prepaid service credit. Conversion Service Credit can be purchased through this application via an online PayPal order form. The purchased output source files will be instantly generated and saved in your Document folder. With no effort and little investment, you can easily transfer your Access UI to more robust and scalable .NET platforms which can be easily changed to connect to a SQL server database or other backend databases.

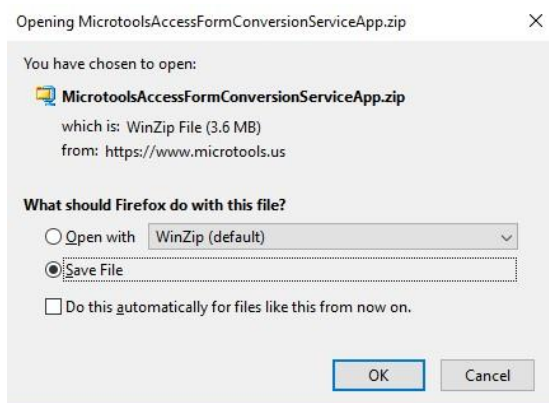
Note: The full conversion is processed with this tool right on your system, not our web server.

I Prerequisites:

1. Windows 10 or later system with a full version of Access 2000 or later for 32bit Access/ Access 2010 or later for 64bit Access (Note: the Microsoft 365 Access Runtime is not compatible with this app)
2. Appropriate version of Access Database Engine installed
3. Internet connection required (for accounting purposes only)
4. Before running the application, disable autoexc macro, password and popup forms if any are in your Access database.

II. Download and Installation*:

1. Download the zip program file at <https://www.microtools.us/downloads/MicrotoolsAccessFormConversionServiceApp.zip>
2. Open the File Properties of the downloaded file, check the Unblock checkbox and then click the OK button.
3. Unzip the downloaded file MicrotoolsAccessConversionServiceApp.zip in your Downloads folder into the folder c:\mfcs or another folder.



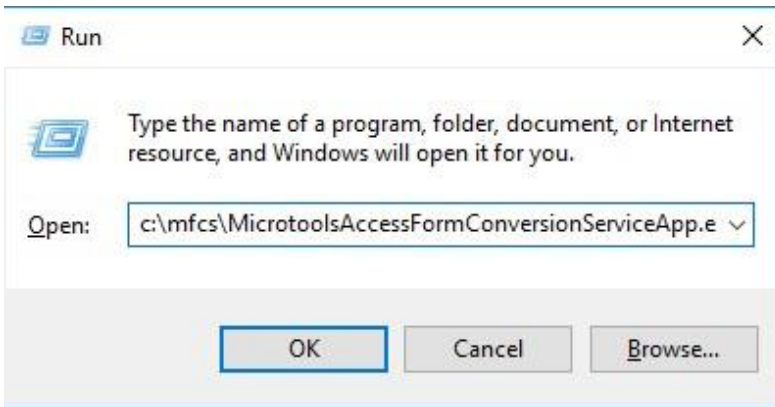
*No installation is required.

III. Run the Application**:

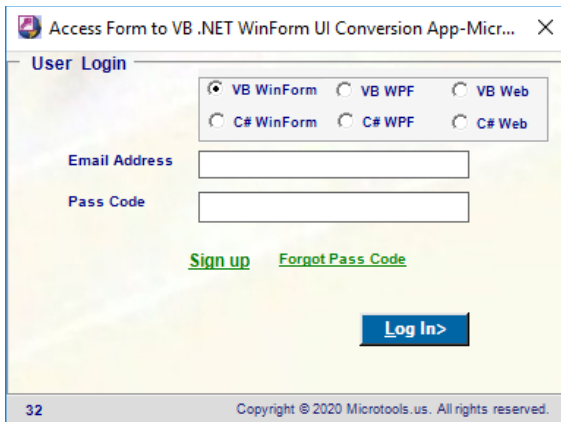
Run the application:

You press **Windows + R** and type:

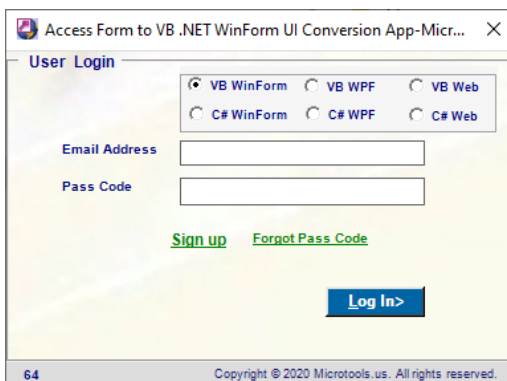
C:\mfcs\MicrotoolsAccessFormConversionServiceApp.EXE if the program folder is c:\mfcs



On a Windows system with 32bit Access 2000 or later as the default Access it will automatically run the program c:\mfcs\x86\MicrotoolsConversionServiceAppx86.EXE:



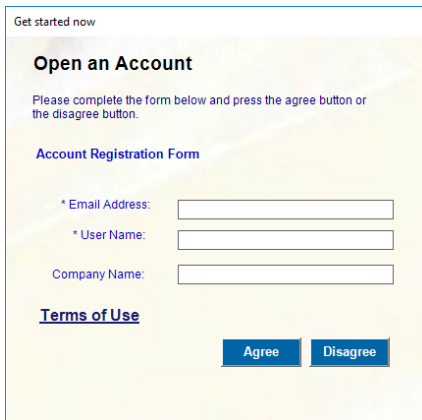
On a Windows system with 64bit Access 2010 or later as the default Access it will automatically run the program c:\mfcs\x64\MicrotoolsConversionServiceAppx64.EXE:



**You click 'More Information' and allow this app to run anyway if the Windows Defender Application Control blocks this app. You may need to unblock this app in Windows Defender Firewall once this app is blocked.

IV. Sign up

You will see a pop window after you enter your email address and click the 'Sign up' link on the window above:

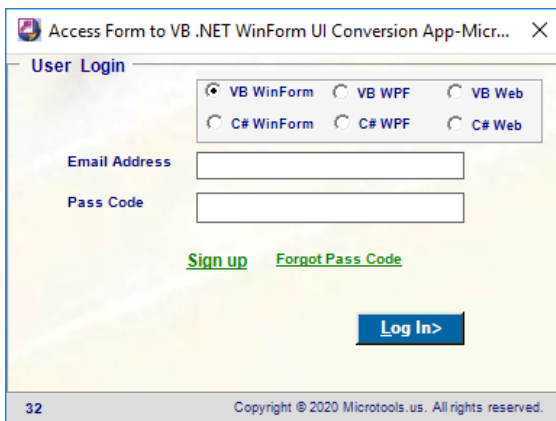


The screenshot shows a registration form titled "Open an Account" with the sub-header "Account Registration Form". It includes instructions to complete the form and press the agree or disagree button. The form has three input fields: "Email Address", "User Name", and "Company Name". There is a link for "Terms of Use" and two buttons: "Agree" and "Disagree".

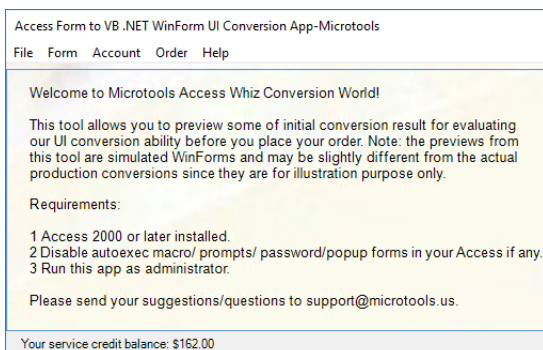
The Terms of Use can be viewed by click the link on the 'sign up' form. A confirmation email with a generated password will be sent once the Agree button is clicked. A one-time free service credit may be available.

V. Log in

5. Select an output target option, VB WinForm, C# WinForm, VB WPF, C# WPF, VB Web or C# Web.
6. Click the Login button after filling in your email address and pass code.
7. Enter your email and click the 'Forgot Pass Code' link and we'll email you your password.



The screenshot shows a "User Login" window with a title bar "Access Form to VB .NET WinForm UI Conversion App-Micr...". It features a radio button group for selecting an output target: VB WinForm (selected), VB WPF, VB Web, C# WinForm, C# WPF, and C# Web. Below are input fields for "Email Address" and "Pass Code". There are links for "Sign up" and "Forgot Pass Code", and a "Log In>" button. The footer shows "32" and "Copyright © 2020 Microtools.us. All rights reserved."



The screenshot shows the application's main window with a title bar "Access Form to VB .NET WinForm UI Conversion App-Microtools". It has a menu bar with "File", "Form", "Account", "Order", and "Help". The main content area includes a welcome message, a description of the tool, requirements (Access 2000 or later, disable autoexec macro/prompts/password/popup forms, run as administrator), and contact information for support@microtools.us. The footer shows "Your service credit balance: \$162.00".

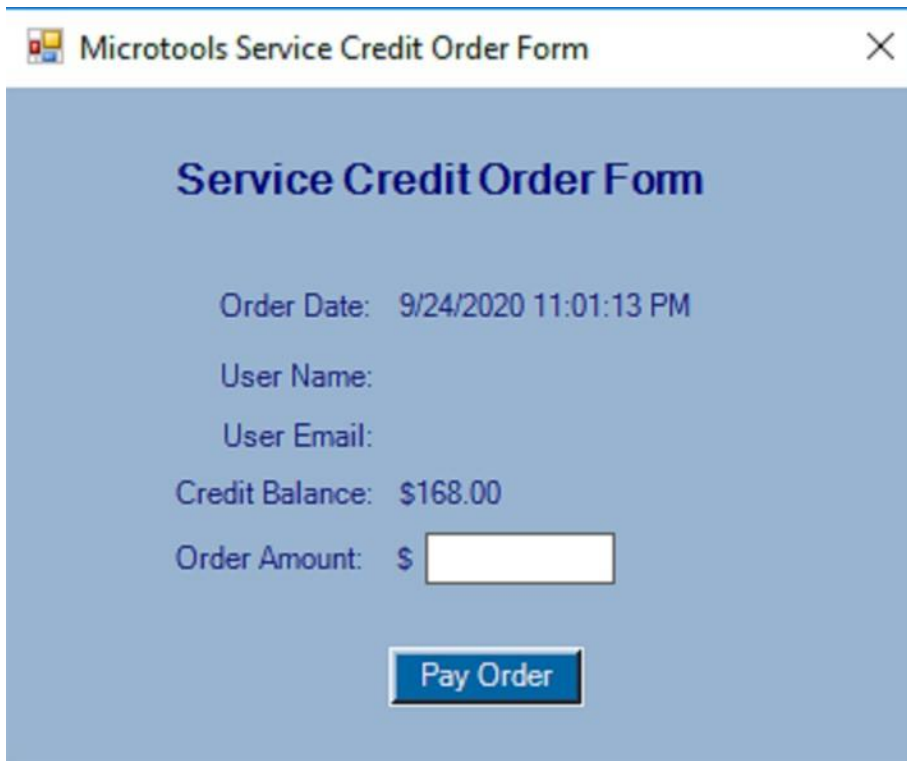
VI. Form Conversion Pricing ***

\$4 per form

Order Amount: Minimum \$4 and Maximum \$400 per order

***Subject to change

VII. Order Service Credit



The screenshot shows a web browser window with the title "Microtools Service Credit Order Form". The main content area has a blue background and contains the following text:

Service Credit Order Form

Order Date: 9/24/2020 11:01:13 PM


User Name:

User Email:

Credit Balance: \$168.00






Order Amount: \$

Purchase Order Form



9/26/2020 10:34:49 PM
Order #: O200926223456ZAC

Item	Quantity	Price
Prepaid Microtools Conversion Service Credit	1	\$120.00 USD
Name: Email:		TOTAL \$120.00 USD

Microtools
P.O. Box 2502
Santa Clara, CA 95055
USA

Checkout

*with your credit card or
Paypal*

VIII. Account Management:

1. Get current balance

Conversion Orders

InvoiceID	Order Date	Subtotal	Discount	Total	ProductOptions	Invoice Type
O200916102836bAC	09/16/2020	(\$6.00)	\$0.00	(\$6.00)	Conversion Service	CREDIT USED
O200916102903bAC	09/16/2020	(\$6.00)	\$0.00	(\$6.00)	Conversion Service	CREDIT USED
O200916102946bAC	09/16/2020	(\$6.00)	\$0.00	(\$6.00)	Conversion Service	CREDIT USED
O200916103049bAC	09/16/2020	(\$6.00)	\$0.00	(\$6.00)	Conversion Service	CREDIT USED
O200916103125bAC	09/16/2020	(\$6.00)	\$0.00	(\$6.00)	Conversion Service	CREDIT USED
O200916103247bAC	09/16/2020	(\$6.00)	\$0.00	(\$6.00)	Conversion Service	CREDIT USED
O200917195823bAC	09/17/2020	(\$6.00)	\$0.00	(\$6.00)	Conversion Service	CREDIT USED
O200918220517bAC	09/18/2020	(\$6.00)	\$0.00	(\$6.00)	Conversion Service	CREDIT USED

Your service credit balance: \$168.00 (Refundable: \$168.00)

2. Change password

Change Pass Code

Pass Code Change Form

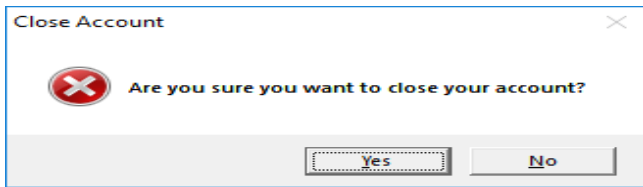
Email Address: _____

Old Access Code:

New Access Code:

Repeat New Access Code:

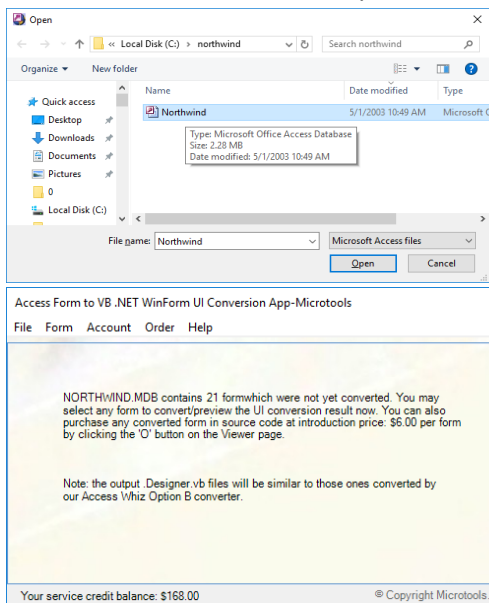
3. Close account



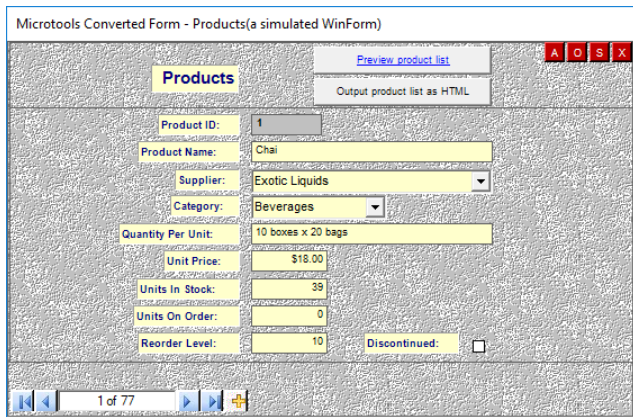
A confirmation will be sent to the user and notify our accounting department to process a refund for any unused paid credit. Note: account credit will be based on total paid credit – price per form x number of forms converted with paid credit.

IX. Conversion:

1. Select an Access file: File -> Open



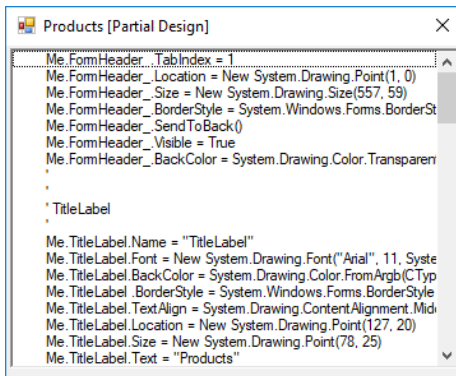
2. Select a form to convert: Form -> Products



2a. Click the A button to view the Access form

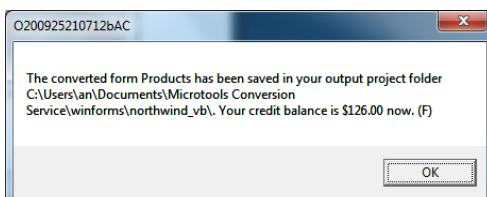
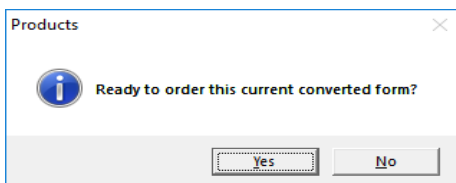


2b. Click the S button to view some partial converted source code: (for Win Form only)



2c. Click the O button to place your order:

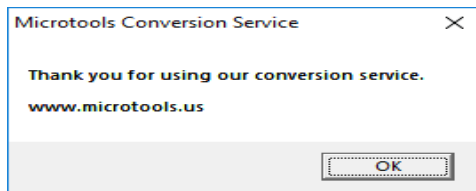
Price per form will be based on your cumulative total purchased credit.



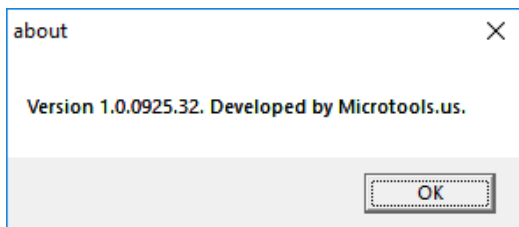
The source files and an invoice can be found in the subfolder Documents\Microtools Conversion Service.

2d. Click the X button to close the current selected form

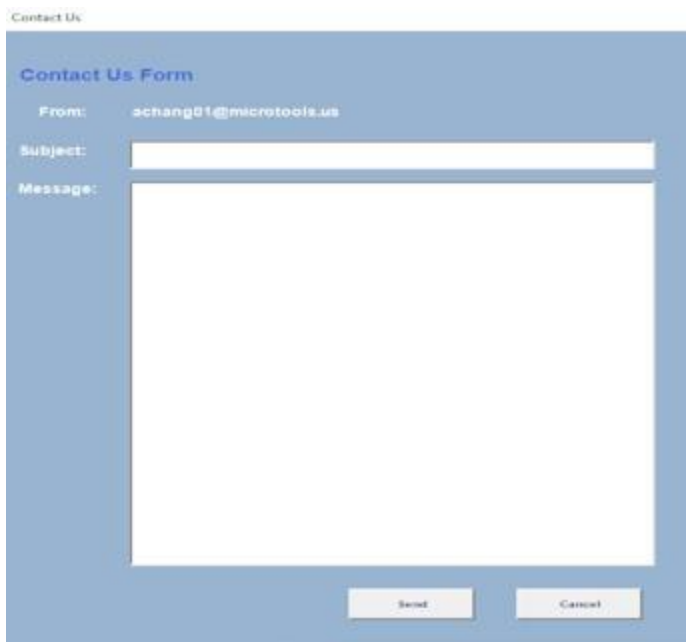
3. Close the app: File -> Exit



X. Version Information: Help -> About

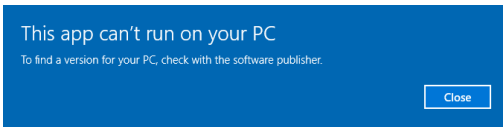


XI. Contact Us: Help -> Contact Us

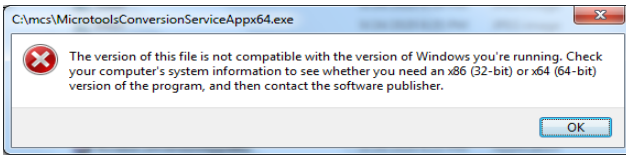


XII. Runtime Error Messages:

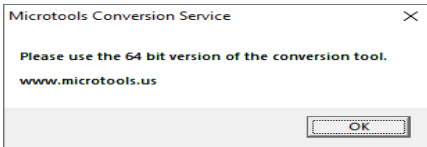
1. Use an incorrect version of the app – e.g. using 64bit version of the app on a system with 32bit Access on a Windows 10 system



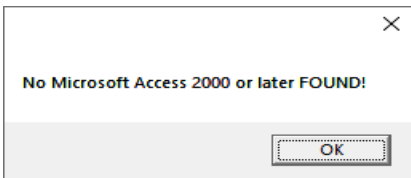
or on a Windows 7 system



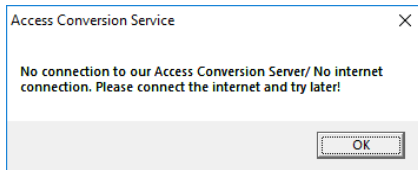
2. Use an incorrect version of the app – e.g. using 32bit version of the app on a system with 64bit Access



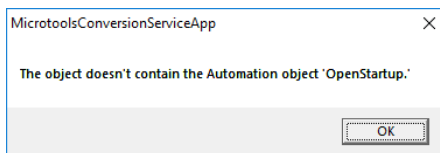
3. Run the app on a system without any Microsoft Access 2000 or later installed



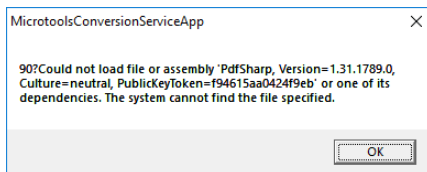
4. No connection to our Access Conversion Server/ internet connection



5. Select a form that contains a missing object



6. Missing a required file in the program folder



WinForms (build with Visual Studio .NET)

The screenshot shows a WinForms application window titled "Suppliers". The form contains the following fields and controls:

- Supplier ID: 1
- Company Name: Exotic Liquids
- Contact Name: Charlotte Cooper, Title: Purchasing Manager
- Address: 49 Gilbert St.
- City: London, Region: (empty)
- Postal Code: EC1 4SD, Country: UK
- Phone: (171) 555-2222, Fax: (empty)
- Home Page: (empty)
- Buttons: Review Products, Add Products

The status bar at the bottom shows "1 of 29" records.

The screenshot shows a WinForms application window titled "Main Switchboard". It features a logo for "NORTHWIND TRADERS" on the left and a "View Product and Order" section on the right with the following buttons:

- Categories
- Suppliers
- Products
- Orders
- Print Sales Reports
- Display Database Window
- Exit Microsoft Access

WPF Forms (build with Visual Studio .NET)

The screenshot shows a WPF application window titled "Suppliers". The form contains the following fields and controls:

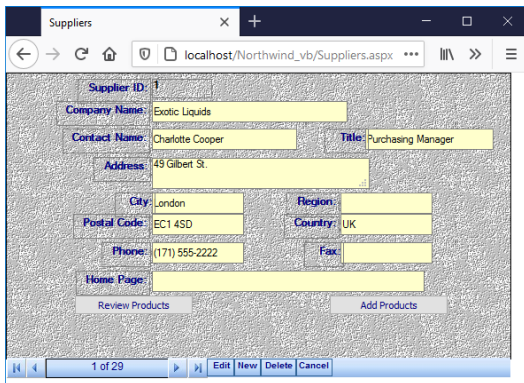
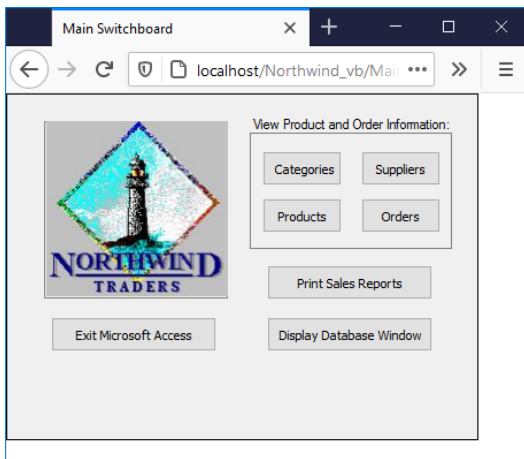
- Supplier ID: 1
- Company Name: Exotic Liquids
- Contact Name: Charlotte Cooper, Title: Purchasing Manager
- Address: 49 Gilbert St.
- City: London, Region: (empty)
- Postal Code: EC1 4SD, Country: UK
- Phone: (171) 555-2, Fax: (empty)
- Home Page: (empty)
- Buttons: Review Products, Add Products

The status bar at the bottom shows "1 of 29" records and includes "Add", "Save", and "Cancel" buttons.

The screenshot shows a WPF application window titled "Main Switchboard". It features a logo for "NORTHWIND TRADERS" on the left and a "View Product and Order Information:" section on the right with the following buttons:

- Categories
- Suppliers
- Products
- Orders
- Print Sales Reports
- Display Database Wind
- Exit Microsoft Access

ASP .NET Web Forms (build with Visual Studio .NET)



XIV. Program Files

Directory of C:\mcs

App_Data\Login.txt
 Interop.Microsoft.Office.Interop.Access.dll
 Interop.MSDASC.dll
 Interop.Scripting.dll
 Microtools Conversion Service Application.pdf
 MicrotoolsConversionServiceAppx86.exe
 PdfSharp.dll
 Xsd.exe
 Images\mlogo.jpg
 Images\Showimage.aspx
 Images\Styles1.css
 Images_blank.jpg
 Images_btn_first.jpg
 Images_btn_last.jpg
 Images_btn_next.jpg
 Images_btn_previous.jpg
 Images_navigatorbar.jpg

 x64\App_Data\Login.txt
 x64\Interop.Microsoft.Office.Interop.Access.dll
 x64\Interop.MSDASC.dll
 x64\Interop.Scripting.dll
 x64\Microtools Conversion Service Application.pdf
 x64\MicrotoolsConversionServiceAppx64.exe

x64\MicrotoolsConversionServiceAppx86.exe
x64\PdfSharp.dll
x64\Xsd.exe
x64\Images\mlogo.jpg
x64\Images\Showimage.aspx
x64\Images\Styles1.css
x64\Images_blank.jpg
x64\Images_btn_first.jpg
x64\Images_btn_last.jpg
x64\Images_btn_next.jpg
x64\Images_btn_previous.jpg
x64\Images_navigatorbar.jpg

XV. Support Contact Information

Email: support@microtools.us

Online Contact Form: https://www.microtools.us/_contactus.aspx

Website: <https://www.microtools.us/>

XVI. Questions and Answers:

1. Where is the Microsoft Access Database Engine Redistributable to fix the following runtime error?

The 'Microsoft.ACE.OLEDB.12.0' provider is not registered on local machine.

Microsoft Access Database Engine 2016 Redistributable files `accessdatabaseengine.exe` for 32 bit Access and `accessdatabaseengine_X64.exe` for 64 bit Access can be downloaded at <https://www.microsoft.com/en-us/download/details.aspx?id=54920>.

2. What are the differences between this app and Microtools' Access Whiz Converters?

- a. This app is for Microtools' Access Form Conversion Service, a pay-per-form system. Access Whiz Converters are the conversion software which you need to install and purchase the license key(s).
- b. There is no need to install this app which can be run from any folder on your Windows computer. Access Whiz requires installation.
- c. You don't need to purchase this app nor any conversion service credit. You can just use it as a previewer. You only need to purchase some prepaid service credit and use them for the converted forms you order.
- d. This app only converts Access form UI. It does not convert any Access in-form VBA code nor Access modules, but will generate some data handling code in VB .NET/C#.
- e. The WinForm option in this app generates `.Designer.vb/.Designer.cs` and some supporting code in `.vb/.cs`. Access Whiz Option B/H will also convert in-form VBA code and modules.
- f. This app handles 64bit Access/ Unicode Access/ paging for WinForm much better than Access Whiz converters do.
- g. The WPF option in this app is a new option. Access Whiz does not offer the WPF option.
- h. The Website Option in this app generates some web forms with the ASP .NET's FormView control but Access Whiz does not.

- i. You need to connect to internet for this app. Access Whiz does not require an internet connection.
- j. This app has two versions (i.e. one for 32bit Access and the other for 64bit Access). Access Whiz Converters are only for 32bit Access databases.

3. Can I use my unused service credit that I already paid for toward to my Access Whiz Converter(s) purchase?

Yes, you may. You need to send us an email request to support@microtools.us, before you place your Access Whiz Order. We will send you an email with instructions on how to proceed.

4. Are used conversion service credits refundable?

Yes, you may request a credit/ refund for any paid forms within 14 days. No more than 20% of the converted forms that you converted with paid credit during the 14-day period are refundable. Contact us at support@microtools.us.

5. Where are my converted projects/websites?

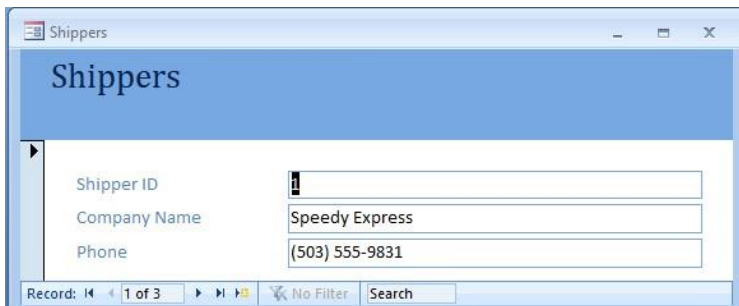
They will be stored in the subfolder 'Microtools Conversion Service' in your Documents folder. It may contain four subfolders: Invoices, winforms, WPF and websites.

6. How do I reconvert a modified Access form?

This app will not list the forms that are already in the output project/website folder when you click the Form option on the toolbar. You need to move all the .NET files with the form name out of the output project/website folder before you start the app.

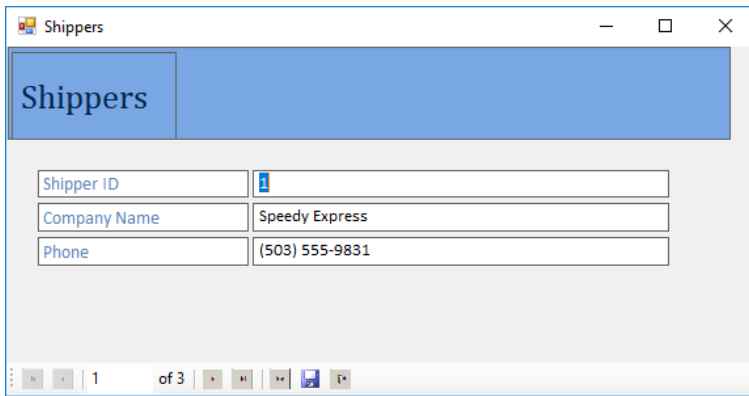
XVII. Sample Output Source Code

Original Access Form Sample



The screenshot shows a Microsoft Access form window titled "Shippers". The form has a blue header with the title "Shippers". Below the header, there are three text boxes for data entry: "Shipper ID" (empty), "Company Name" (containing "Speedy Express"), and "Phone" (containing "(503) 555-9831"). At the bottom of the form, there is a navigation bar with "Record: 1 of 3", "No Filter", and a "Search" button.

Converted Win Form Sample



samples\winforms\Northwind_vb\Northwind.vbproj
 samples\winforms\Northwind_vb\Code\Northwind_m.vb
 samples\winforms\Northwind_vb\My Project\Application.Designer.vb
 samples\winforms\Northwind_vb\My Project\Application.myapp
 samples\winforms\Northwind_vb\My Project\AssemblyInfo.vb
 samples\winforms\Northwind_vb\My Project\Resources.Designer.vb
 samples\winforms\Northwind_vb\My Project\Resources.resx
 samples\winforms\Northwind_vb\My Project\Settings.Designer.vb
 samples\winforms\Northwind_vb\WindowsUI\FormMenu.vb
 samples\winforms\Northwind_vb\WindowsUI\Shippers.Designer.vb
 samples\winforms\Northwind_vb\WindowsUI\Shippers.vb

Source File: Shippers.Designer.vb(Similar to the output from our Access Whiz Converter Option B)

```

' Generated by MICROTOOLS Access Conversion Service
Option Strict Off
Option Explicit Off
Imports System.Windows.Forms
Imports System.IO
Imports System.Data
Imports System.Data.OleDb
Imports VB = Microsoft.VisualBasic
<Global.Microsoft.VisualBasic.CompilerServices.DesignerGenerated(> _
Partial Class Shippers
    Inherits System.Windows.Forms.Form
    #Region " Windows Form Designer generated code "
        Public Sub New()
            MyBase.New()
            Try
                'This call is required by the Windows Form Designer.
                InitializeComponent()

                Catch ex As System.Exception
                End Try
                'Add any initialization after the InitializeComponent() call
            End Sub
            Protected Overloads Overrides Sub Dispose(ByVal disposing As Boolean)
                If disposing Then
                    If Not (components Is Nothing) Then
                        components.Dispose()
                    End If
                End If
            End Sub
            MyBase.Dispose(disposing)
        End Sub
        'Required by the Windows Form Designer
        Private components As System.ComponentModel.IContainer

        'NOTE: The following procedure is required by the Windows Form Designer
        'It can be modified using the Windows Form Designer.
        'Do not modify it using the code editor.
        Friend WithEvents BindingNavigator1 As System.Windows.Forms.BindingNavigator
  
```

```

Friend WithEventsBindingNavigatorClose As System.Windows.Forms.ToolStripButton
Friend WithEventsBindingNavigatorCountItem As System.Windows.Forms.ToolStripLabel
Friend WithEventsBindingNavigatorUpdateItem As System.Windows.Forms.ToolStripButton
Friend WithEventsBindingNavigatorAddNewItem As System.Windows.Forms.ToolStripButton
Friend WithEventsBindingNavigatorMoveFirstItem As System.Windows.Forms.ToolStripButton
Friend WithEventsBindingNavigatorMovePreviousItem As System.Windows.Forms.ToolStripButton
Friend WithEventsBindingNavigatorSeparator As System.Windows.Forms.ToolStripSeparator
Friend WithEventsBindingNavigatorPositionItem As System.Windows.Forms.ToolStripTextBox
Friend WithEventsBindingNavigatorSeparator1 As System.Windows.Forms.ToolStripSeparator
Friend WithEventsBindingNavigatorMoveNextItem As System.Windows.Forms.ToolStripButton
Friend WithEventsBindingNavigatorMoveLastItem As System.Windows.Forms.ToolStripButton
Friend WithEventsBindingNavigatorSeparator2 As System.Windows.Forms.ToolStripSeparator
Friend WithEventsBindingSource1 As System.Windows.Forms.BindingSource
Friend WithEventsOleDbSelectCommand1 As System.Data.OleDb.OleDbCommand
Friend WithEventsOleDbInsertCommand1 As System.Data.OleDb.OleDbCommand
Friend WithEventsOleDbUpdateCommand1 As System.Data.OleDb.OleDbCommand
Friend WithEventsOleDbConnection1 As System.Data.OleDb.OleDbConnection
Friend WithEventsOleDbDataAdapter1 As System.Data.OleDb.OleDbDataAdapter
Friend WithEventsobjShippersDataSet As DataSet
Friend WithEventsFormHeader_ As System.Windows.Forms.Panel
Friend WithEventsLabel6 As System.Windows.Forms.Label
Friend WithEventsShipperID As System.Windows.Forms.TextBox
Friend WithEventsShipperID_Label As System.Windows.Forms.Label
Friend WithEventsCompanyName As System.Windows.Forms.TextBox
Friend WithEventsCompanyName_Label As System.Windows.Forms.Label
Friend WithEventsPhone As System.Windows.Forms.TextBox
Friend WithEventsPhone_Label As System.Windows.Forms.Label
<System.Diagnostics.DebuggerStepThrough> Private Sub InitializeComponent()
Me.components = New System.ComponentModel.Container()
    On Error Resume Next ' you may remove this statement anytime
    Me.OleDbConnection1 = New System.Data.OleDb.OleDbConnection
    Me.OleDbDataAdapter1 = New System.Data.OleDb.OleDbDataAdapter
    Me.OleDbInsertCommand1 = New System.Data.OleDb.OleDbCommand
    Me.OleDbUpdateCommand1 = New System.Data.OleDb.OleDbCommand
    Me.OleDbSelectCommand1 = New System.Data.OleDb.OleDbCommand
Me.objShippersDataSet = New System.Data.DataSet()
    Me.BindingNavigator1 = New System.Windows.Forms.BindingNavigator(Me.components)
Me.BindingNavigatorCountItem = New System.Windows.Forms.ToolStripLabel
Me.BindingNavigatorMoveFirstItem = New System.Windows.Forms.ToolStripButton
Me.BindingNavigatorMovePreviousItem = New System.Windows.Forms.ToolStripButton
Me.BindingNavigatorSeparator = New System.Windows.Forms.ToolStripSeparator
Me.BindingNavigatorPositionItem = New System.Windows.Forms.ToolStripTextBox
    Me.BindingNavigatorSeparator1 = New System.Windows.Forms.ToolStripSeparator
Me.BindingNavigatorMoveNextItem = New System.Windows.Forms.ToolStripButton
Me.BindingNavigatorMoveLastItem = New System.Windows.Forms.ToolStripButton
    Me.BindingNavigatorSeparator2 = New System.Windows.Forms.ToolStripSeparator
Me.BindingNavigatorAddNewItem = New System.Windows.Forms.ToolStripButton
Me.BindingNavigatorUpdateItem = New System.Windows.Forms.ToolStripButton
Me.BindingNavigatorClose = New System.Windows.Forms.ToolStripButton
    Me.BindingSource1 = New System.Windows.Forms.BindingSource(Me.components)
Me.FormHeader_ = New System.Windows.Forms.Panel()
    Me.Label6= New System.Windows.Forms.Label()
Me.ShipperID= New System.Windows.Forms.TextBox()
Me.ShipperID_Label= New System.Windows.Forms.Label()
Me.CompanyName= New System.Windows.Forms.TextBox()
Me.CompanyName_Label= New System.Windows.Forms.Label()
Me.Phone= New System.Windows.Forms.TextBox()
Me.Phone_Label= New System.Windows.Forms.Label()
CType(Me.objShippersDataSet, System.ComponentModel.ISupportInitialize).BeginInit()
CType(Me.BindingNavigator1, System.ComponentModel.ISupportInitialize).BeginInit()
    Me.BindingNavigator1.SuspendLayout()
CType(Me.BindingSource1, System.ComponentModel.ISupportInitialize).BeginInit()
Me.SuspendLayout()
    'OleDbConnection1

```

```

,
Me.OleDbConnection1.ConnectionString = Northwindconnstr
,
'OleDbDataAdapter1
,
Me.OleDbDataAdapter1.SelectCommand = Me.OleDbSelectCommand1
Me.OleDbDataAdapter1.InsertCommand = Me.OleDbInsertCommand1
Me.OleDbDataAdapter1.UpdateCommand = Me.OleDbUpdateCommand1
,
'OleDbUpdateCommand1
,
Me.OleDbUpdateCommand1.CommandText = "UPDATE [Shippers] SET [CompanyName] = ?, [Phone] = ? WHERE ([[ShipperID] = ?))"
Me.OleDbUpdateCommand1.Connection = Me.OleDbConnection1
Me.OleDbUpdateCommand1.Parameters.Add("CompanyName", System.Data.OleDb.OleDbType.[VarChar], 40)
Me.OleDbUpdateCommand1.Parameters.Add("Phone", System.Data.OleDb.OleDbType.[VarChar], 24)
Me.OleDbUpdateCommand1.Parameters.Add("ShipperID", System.Data.OleDb.OleDbType.[Integer], 4)
,
'OleDbInsertCommand1
,
Me.OleDbInsertCommand1.CommandText = "INSERT INTO [Shippers] ([CompanyName], [Phone]) VALUES (?, ?)"
Me.OleDbInsertCommand1.Connection = Me.OleDbConnection1
Me.OleDbInsertCommand1.Parameters.Add("CompanyName", System.Data.OleDb.OleDbType.[VarChar], 40)
Me.OleDbInsertCommand1.Parameters.Add("Phone", System.Data.OleDb.OleDbType.[VarChar], 24)
,
'OleDbSelectCommand1
,
Me.OleDbSelectCommand1.CommandText = "SELECT * FROM [Shippers]"
Me.OleDbSelectCommand1.Connection = Me.OleDbConnection1
,
'objShippersDataSet
,
Me.objShippersDataSet.DataSetName = "ShippersDataSet"
Me.objShippersDataSet.Locale = New System.Globalization.CultureInfo("en-US")
Me.objShippersDataSet.SchemaSerializationMode = System.Data.SchemaSerializationMode.IncludeSchema
,
'BindingNavigator1
,
Me.BindingNavigator1.AddNewItem = Me.BindingNavigatorAddNewItem
Me.BindingNavigator1.CountItem = Me.BindingNavigatorCountItem
Me.BindingNavigator1.Dock = System.Windows.Forms.DockStyle.Bottom
Me.BindingNavigator1.Items.AddRange(New System.Windows.Forms.ToolStripItem() {Me.BindingNavigatorMoveFirstItem,
Me.BindingNavigatorMovePreviousItem, Me.BindingNavigatorSeparator, Me.BindingNavigatorPositionItem, Me.BindingNavigatorCountItem,
Me.BindingNavigatorSeparator1, Me.BindingNavigatorMoveNextItem, Me.BindingNavigatorMoveLastItem, Me.BindingNavigatorSeparator2,
Me.BindingNavigatorAddNewItem, Me.BindingNavigatorUpdateItem, Me.BindingNavigatorClose})
Me.BindingNavigator1.Location = New System.Drawing.Point(0,201)
Me.BindingNavigator1.MoveFirstItem = Me.BindingNavigatorMoveFirstItem
Me.BindingNavigator1.MoveLastItem = Me.BindingNavigatorMoveLastItem
Me.BindingNavigator1.MoveNextItem = Me.BindingNavigatorMoveNextItem
Me.BindingNavigator1.MovePreviousItem = Me.BindingNavigatorMovePreviousItem
Me.BindingNavigator1.Name = "BindingNavigator1"
Me.BindingNavigator1.PositionItem = Me.BindingNavigatorPositionItem
Me.BindingNavigator1.Size = New System.Drawing.Size(516, 25)
Me.BindingNavigator1.TabIndex = 224
Me.BindingNavigator1.Text = "BindingNavigator1"
,
'BindingNavigatorAddNewItem
,
Me.BindingNavigatorAddNewItem.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Image
Me.BindingNavigatorAddNewItem.Image = Global.Northwind.Resources.btnAdd
Me.BindingNavigatorAddNewItem.Name = "BindingNavigatorAddNewItem"
Me.BindingNavigatorAddNewItem.RightToLeftAutoMirrorImage = True
Me.BindingNavigatorAddNewItem.Size = New System.Drawing.Size(23, 22)
Me.BindingNavigatorAddNewItem.Text = "Add new"
,
'BindingNavigatorCountItem

```



```

,
Me.BindingNavigatorCountItem.Name = "BindingNavigatorCountItem"
Me.BindingNavigatorCountItem.Size = New System.Drawing.Size(35, 22)
Me.BindingNavigatorCountItem.Text = "of {0}"
Me.BindingNavigatorCountItem.ToolTipText = "Total number of items"
,
,
'BindingNavigatorMoveFirstItem
,
Me.BindingNavigatorMoveFirstItem.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Image
Me.BindingNavigatorMoveFirstItem.Image = Global.Northwind.Resources.btnNavFirst
Me.BindingNavigatorMoveFirstItem.Name = "BindingNavigatorMoveFirstItem"
Me.BindingNavigatorMoveFirstItem.RightToLeftAutoMirrorImage = True
Me.BindingNavigatorMoveFirstItem.Size = New System.Drawing.Size(23, 22)
Me.BindingNavigatorMoveFirstItem.Text = "Move first"
,
'BindingNavigatorMovePreviousItem
,
Me.BindingNavigatorMovePreviousItem.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Image
Me.BindingNavigatorMovePreviousItem.Image = Global.Northwind.Resources.btnNavPrev
Me.BindingNavigatorMovePreviousItem.Name = "BindingNavigatorMovePreviousItem"
Me.BindingNavigatorMovePreviousItem.RightToLeftAutoMirrorImage = True
Me.BindingNavigatorMovePreviousItem.Size = New System.Drawing.Size(23, 22)
Me.BindingNavigatorMovePreviousItem.Text = "Move previous"
,
'BindingNavigatorSeparator
,
Me.BindingNavigatorSeparator.Name = "BindingNavigatorSeparator"
Me.BindingNavigatorSeparator.Size = New System.Drawing.Size(6, 25)
,
'BindingNavigatorPositionItem
,
Me.BindingNavigatorPositionItem.AccessibleName = "Position"
Me.BindingNavigatorPositionItem.AutoSize = False
Me.BindingNavigatorPositionItem.Name = "BindingNavigatorPositionItem"
Me.BindingNavigatorPositionItem.Size = New System.Drawing.Size(50, 23)
Me.BindingNavigatorPositionItem.Text = "0"
Me.BindingNavigatorPositionItem.ToolTipText = "Current position"
,
'BindingNavigatorSeparator1
,
Me.BindingNavigatorSeparator1.Name = "BindingNavigatorSeparator1"
Me.BindingNavigatorSeparator1.Size = New System.Drawing.Size(6, 25)
,
'BindingNavigatorMoveNextItem
,
Me.BindingNavigatorMoveNextItem.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Image
Me.BindingNavigatorMoveNextItem.Image = Global.Northwind.Resources.btnNavNext
Me.BindingNavigatorMoveNextItem.Name = "BindingNavigatorMoveNextItem"
Me.BindingNavigatorMoveNextItem.RightToLeftAutoMirrorImage = True
Me.BindingNavigatorMoveNextItem.Size = New System.Drawing.Size(23, 22)
Me.BindingNavigatorMoveNextItem.Text = "Move next"
,
'BindingNavigatorMoveLastItem
,
Me.BindingNavigatorMoveLastItem.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Image
Me.BindingNavigatorMoveLastItem.Image = Global.Northwind.Resources.btnNavLast
Me.BindingNavigatorMoveLastItem.RightToLeftAutoMirrorImage = True
Me.BindingNavigatorMoveLastItem.Size = New System.Drawing.Size(23, 22)
Me.BindingNavigatorMoveLastItem.Text = "Move last"
,
'BindingNavigatorSeparator2
,
Me.BindingNavigatorSeparator2.Name = "BindingNavigatorSeparator2"
Me.BindingNavigatorSeparator2.Size = New System.Drawing.Size(6, 25)

```

```

,
'BindingNavigatorUpdateItem
,
Me.BindingNavigatorUpdateItem.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Image
Me.BindingNavigatorUpdateItem.Image = Global.Northwind.Resources.btnUpdate
Me.BindingNavigatorUpdateItem.ImageTransparentColor = System.Drawing.Color.Magenta
Me.BindingNavigatorUpdateItem.Name = "BindingNavigatorUpdateItem"
Me.BindingNavigatorUpdateItem.Size = New System.Drawing.Size(23, 22)
Me.BindingNavigatorUpdateItem.Text = "Update Record"
,
'BindingNavigatorClose
,
Me.BindingNavigatorClose.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Image
Me.BindingNavigatorClose.Image = Global.Northwind.Resources.btnClose
Me.BindingNavigatorClose.ImageTransparentColor = System.Drawing.Color.Magenta
Me.BindingNavigatorClose.Name = "BindingNavigatorClose"
Me.BindingNavigatorClose.Size = New System.Drawing.Size(23, 22)
Me.BindingNavigatorClose.Text = "Close"
    Me.FormHeader_.TabIndex = 1
    Me.FormHeader_.Location = New System.Drawing.Point(1, 0)
    Me.FormHeader_.Size = New System.Drawing.Size(552, 71)
    Me.FormHeader_.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
    Me.FormHeader_.SendToBack()
    Me.FormHeader_.Visible = True
    Me.FormHeader_.BackColor = System.Drawing.Color.FromArgb(CType(CType(121, Byte), Integer), CType(CType(167, Byte), Integer),
CType(CType(227, Byte), Integer))
,
,
' Label6
,
Me.Label6.Name = "Label6"
Me.Label6.Font = New System.Drawing.Font("Cambria", 19)
Me.Label6.BackColor = System.Drawing.Color.FromArgb(CType(CType(121, Byte), Integer), CType(CType(167, Byte), Integer),
CType(CType(227, Byte), Integer))
Me.Label6.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.Label6.TextAlign = System.Drawing.ContentAlignment.MiddleLeft
Me.Label6.Location = New System.Drawing.Point(4, 4)
Me.Label6.Size = New System.Drawing.Point(126, 67)
Me.Label6.Text = "Shippers"
Me.Label6.Font = New System.Drawing.Font("Cambria", 19)
Me.Label6.ForeColor = System.Drawing.Color.FromArgb(CType(CType(0, Byte), Integer), CType(CType(34, Byte), Integer), CType(CType(77,
Byte), Integer))
    Me.Label6.Enabled = True
    Me.Label6.Cursor = System.Windows.Forms.Cursors.Default
    Me.Label6.RightToLeft = System.Windows.Forms.RightToLeft.No
    Me.Label6.UseMnemonic = True
    Me.Label6.AutoSize = False
    Me.Label6.TabIndex = 209
    Me.Label6.Visible = True
,
' ShipperID
,
Me.ShipperID.Name = "ShipperID"
Me.ShipperID.Location = New System.Drawing.Point(188, 94)
Me.ShipperID.Size = New System.Drawing.Point(318, 21)
Me.ShipperID.Text = ""
Me.ShipperID.MultiLine = True
Me.ShipperID.TabIndex = 210
Me.ShipperID.Font = New System.Drawing.Font("Calibri", 10)
Me.ShipperID.ForeColor = System.Drawing.Color.Black
Me.ShipperID.Font = New Font("Calibri", 10)
Me.ShipperID.BackColor = System.Drawing.Color.White
Me.ShipperID.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.ShipperID.TextAlign = System.Windows.Forms.HorizontalAlignment.Left
Me.ShipperID.Visible = True

```

```

    ,
    ' ShipperID_Label
    ,
Me.ShipperID_Label.Name = "ShipperID_Label"
Me.ShipperID_Label.Font = New System.Drawing.Font("Calibri", 10)
Me.ShipperID_Label.BackColor = System.Drawing.Color.FromArgb(CType(CType(255, Byte), Integer), CType(CType(255, Byte), Integer),
CType(CType(255, Byte), Integer))
Me.ShipperID_Label.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.ShipperID_Label.TextAlign = System.Drawing.ContentAlignment.MiddleLeft
Me.ShipperID_Label.Location = New System.Drawing.Point(24, 94)
Me.ShipperID_Label.Size = New System.Drawing.Point(161, 21)
Me.ShipperID_Label.Text = "Shipper ID"
Me.ShipperID_Label.Font = New System.Drawing.Font("Calibri", 10)
Me.ShipperID_Label.ForeColor = System.Drawing.Color.FromArgb(CType(CType(92, Byte), Integer), CType(CType(131, Byte), Integer),
CType(CType(180, Byte), Integer))
Me.ShipperID_Label.Enabled = True
Me.ShipperID_Label.Cursor = System.Windows.Forms.Cursors.Default
Me.ShipperID_Label.RightToLeft = System.Windows.Forms.RightToLeft.No
Me.ShipperID_Label.UseMnemonic = True
Me.ShipperID_Label.AutoSize = False
Me.ShipperID_Label.TabIndex = 211
Me.ShipperID_Label.Visible = True
    ,
    ' CompanyName
    ,
Me.CompanyName.Name = "CompanyName"
Me.CompanyName.Location = New System.Drawing.Point(188, 119)
Me.CompanyName.Size = New System.Drawing.Point(318, 22)
Me.CompanyName.Text = ""
Me.CompanyName.MultiLine = True
Me.CompanyName.TabIndex = 212
Me.CompanyName.Font = New System.Drawing.Font("Calibri", 10)
Me.CompanyName.ForeColor = System.Drawing.Color.Black
Me.CompanyName.Font = New Font("Calibri", 10)
Me.CompanyName.BackColor = System.Drawing.Color.White
Me.CompanyName.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.CompanyName.TextAlign = System.Windows.Forms.HorizontalAlignment.Left
Me.CompanyName.Visible = True
    ,
    ' CompanyName_Label
    ,
Me.CompanyName_Label.Name = "CompanyName_Label"
Me.CompanyName_Label.Font = New System.Drawing.Font("Calibri", 10)
Me.CompanyName_Label.BackColor = System.Drawing.Color.FromArgb(CType(CType(255, Byte), Integer), CType(CType(255, Byte), Integer),
CType(CType(255, Byte), Integer))
Me.CompanyName_Label.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.CompanyName_Label.TextAlign = System.Drawing.ContentAlignment.MiddleLeft
Me.CompanyName_Label.Location = New System.Drawing.Point(24, 119)
Me.CompanyName_Label.Size = New System.Drawing.Point(161, 22)
Me.CompanyName_Label.Text = "Company Name"
Me.CompanyName_Label.Font = New System.Drawing.Font("Calibri", 10)
Me.CompanyName_Label.ForeColor = System.Drawing.Color.FromArgb(CType(CType(92, Byte), Integer), CType(CType(131, Byte), Integer),
CType(CType(180, Byte), Integer))
Me.CompanyName_Label.Enabled = True
Me.CompanyName_Label.Cursor = System.Windows.Forms.Cursors.Default
Me.CompanyName_Label.RightToLeft = System.Windows.Forms.RightToLeft.No
Me.CompanyName_Label.UseMnemonic = True
Me.CompanyName_Label.AutoSize = False
Me.CompanyName_Label.TabIndex = 213
Me.CompanyName_Label.Visible = True
    ,
    ' Phone
    ,
Me.Phone.Name = "Phone"
Me.Phone.Location = New System.Drawing.Point(188, 145)

```

```

Me.Phone.Size = New System.Drawing.Point(318, 22)
Me.Phone.Text = ""
Me.Phone.MultiLine = True
Me.Phone.TabIndex = 214
Me.Phone.Font = New System.Drawing.Font("Calibri", 10)
Me.Phone.ForeColor = System.Drawing.Color.Black
Me.Phone.Font = New Font("Calibri", 10)
Me.Phone.BackColor = System.Drawing.Color.White
Me.Phone.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.Phone.TextAlign = System.Windows.Forms.HorizontalAlignment.Left
Me.Phone.Visible = True
    '
    ' Phone_Label
    '
Me.Phone_Label.Name = "Phone_Label"
Me.Phone_Label.Font = New System.Drawing.Font("Calibri", 10)
Me.Phone_Label.BackColor = System.Drawing.Color.FromArgb(CType(CType(255, Byte), Integer), CType(CType(255, Byte), Integer),
CType(CType(255, Byte), Integer))
Me.Phone_Label.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.Phone_Label.TextAlign = System.Drawing.ContentAlignment.MiddleLeft
Me.Phone_Label.Location = New System.Drawing.Point(24, 145)
Me.Phone_Label.Size = New System.Drawing.Point(161, 22)
Me.Phone_Label.Text = "Phone"
Me.Phone_Label.Font = New System.Drawing.Font("Calibri", 10)
Me.Phone_Label.ForeColor = System.Drawing.Color.FromArgb(CType(CType(92, Byte), Integer), CType(CType(131, Byte), Integer),
CType(CType(180, Byte), Integer))
Me.Phone_Label.Enabled = True
Me.Phone_Label.Cursor = System.Windows.Forms.Cursors.Default
Me.Phone_Label.RightToLeft = System.Windows.Forms.RightToLeft.No
Me.Phone_Label.UseMnemonic = True
Me.Phone_Label.AutoSize = False
Me.Phone_Label.TabIndex = 215
Me.Phone_Label.Visible = True
    '
'Shippers
    '
Me.ClientSize = New System.Drawing.Size(572,266)
Me.Controls.Add(Me.Label6)
Me.Controls.Add(Me.ShipperID)
Me.Controls.Add(Me.ShipperID_Label)
Me.Controls.Add(Me.CompanyName)
Me.Controls.Add(Me.CompanyName_Label)
Me.Controls.Add(Me.Phone)
Me.Controls.Add(Me.Phone_Label)
Me.Controls.Add(Me.FormHeader_)
Me.Controls.Add(Me.BindingNavigator1)
Me.Name = "Shippers"
Me.Text = "Shippers"
CType(Me.objShippersDataSet, System.ComponentModel.ISupportInitialize).EndInit()
CType(Me.BindingNavigator1, System.ComponentModel.ISupportInitialize).EndInit()
    Me.BindingNavigator1.ResumeLayout(False)
    Me.BindingNavigator1.PerformLayout()
CType(Me.BindingSource1, System.ComponentModel.ISupportInitialize).EndInit()
Me.ResumeLayout(False)
Me.PerformLayout()
End Sub

```

Source File: Shippers.vb

Note: No Access VBA code will be converted by this UI Conversion Service.

```

Option Strict Off
Option Explicit Off
Imports System.Windows.Forms
Imports System.IO
Imports System.Drawing
Imports System.Data
Imports System.Data.OleDb
Public Class Shippers
    Inherits System.Windows.Forms.Form
    Private Sub InitBoxes()
    End Sub
    Private Sub SetControlValues(ByVal icurrent As Integer)
        On Error Resume Next
    End Sub
    Private Sub DoCmdQuit()
Me.Dispose()
    End Sub
    Private Sub Shippers_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        Try
            'Attempt to load the dataset.
Me.LoadDataSet()
            Me.BindingSource1.DataSource = objShippersDataSet
            Me.BindingSource1.DataMember = objShippersDataSet.Tables(0).TableName
            Me.BindingNavigator1.BindingSource = BindingSource1
Me.objBinding()
        InitBoxes()
            Catch eLoad As System.Exception
                'Add your error handling code here.
                'Display error message, if any.
System.Windows.Forms.MessageBox.Show(eLoad.Message)
            End Try
            Me.BindingSource1_PositionChanged()
        End Sub
        Dim ie As Integer = 0
        Dim icurrent As Integer = 0
        Dim _nrecords As Integer = 0
        Dim objDataSet As DataSet
        Private Sub LoadDataSet()
            _nrecords = 0
            Try
                Me.OleDbConnection1.ConnectionString = Northwindconnstr
                Me.OleDbConnection1.Open()
                Me.OleDbDataAdapter1.Fill(objShippersDataSet)
                _nrecords = objShippersDataSet.Tables(0).Rows.Count
            Catch eLoad As System.Exception
                'Add your error handling code here.
                'Display error message, if any.
System.Windows.Forms.MessageBox.Show(eLoad.Message)
            End Try
        End Sub
        Private Sub BindingNavigatorClose_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles BindingNavigatorClose.Click
            Me.OleDbConnection1.Close()
Me.Close()
        End Sub
        Private Sub BindingNavigatorMoveNextItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
BindingNavigatorMoveNextItem.Click
            If (icurrent < _nrecords - 1) Then icurrent += 1
            Me.BindingSource1_PositionChanged()
        End Sub
        Private Sub BindingNavigatorMoveLastItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
BindingNavigatorMoveLastItem.Click
            If (_nrecords > 0) Then icurrent = _nrecords - 1
            Me.BindingSource1_PositionChanged()
        End Sub
    End Sub

```

```

Private Sub BindingNavigatorAddNewItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
BindingNavigatorAddNewItem.Click
' this routine still needs to be completed.
Try
Me.Validate()
Me.BindingSource1.EndEdit()
_nrecords = objShippersDataSet.Tables(0).Rows.Count
Catch eAdd As System.Exception
System.Windows.Forms.MessageBox.Show(eAdd.Message)
End Try
End Sub
Private Sub BindingNavigatorMovePreviousItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
BindingNavigatorMovePreviousItem.Click
If (icurrent > 0) Then icurrent -= 1
Me.BindingSource1.PositionChanged()
End Sub
Private Sub BindingNavigatorMoveFirstItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
BindingNavigatorMoveFirstItem.Click
icurrent = 0
Me.BindingSource1.PositionChanged()
End Sub
Private Sub BindingNavigatorUpdateItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Try
Me.BindingSource1.EndEdit()
Me.OleDbDataAdapter1.Update(Me.objShippersDataSet.Tables(0))
Me.objShippersDataSet.AcceptChanges()
Catch eEndUpdate As System.Exception
System.Windows.Forms.MessageBox.Show(eEndUpdate.Message)
End Try
End Sub
Private Sub BindingSource1_BindingComplete(ByVal sender As Object, ByVal e As System.Windows.Forms.BindingCompleteEventArgs) Handles
BindingSource1.BindingComplete
BindingSource1.PositionChanged()
End Sub
Private Sub BindingSource1_PositionChanged()
Try
If(icurrent >= 0 And icurrent < _nrecords)Then
SetControlValues(icurrent)
End If
Catch ePosition As System.Exception
System.Windows.Forms.MessageBox.Show(ePosition.Message)
End Try
End Sub
End Class

```

Converted WPF Form Sample

The screenshot shows a WPF application window titled "Shippers". The window has a blue header bar with the title "Shippers". Below the header, there are three text input fields: "Shipper ID" with the value "1", "Company Name" with the value "Speedy Express", and "Phone" with the value "(503) 555-9831". At the bottom of the window, there is a navigation bar with buttons for "Add", "Save", and "Cancel", and a status indicator showing "1 of 3".

samples\wpf\Northwind_vb\App.xaml

samples\wpf\Northwind_vb\App.xaml.vb
 samples\wpf\Northwind_vb\FormMenu.xaml
 samples\wpf\Northwind_vb\FormMenu.xaml.vb
 samples\wpf\Northwind_vb\Northwind.vbproj
 samples\wpf\Northwind_vb\Shippers.xaml
 samples\wpf\Northwind_vb\Shippers.xaml.vb
 samples\wpf\Northwind_vb\ShippersDataSet.vb
 samples\wpf\Northwind_vb\ShippersDataSet.xsd
 samples\wpf\Northwind_vb\Code\Northwind_m.vb
 samples\wpf\Northwind_vb\My Project\Application.Designer.vb
 samples\wpf\Northwind_vb\My Project\Application.myapp
 samples\wpf\Northwind_vb\My Project\AssemblyInfo.vb
 samples\wpf\Northwind_vb\My Project\Resources.Designer.vb
 samples\wpf\Northwind_vb\My Project\Resources.resx
 samples\wpf\Northwind_vb\My Project\Settings.Designer.vb

Source File: Shippers.xaml

```

<Window x:Class="Shippers"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  xmlns:local="clr-namespace:Northwind"
  Title="Shippers" Height="286" Width="592">
<Window.Resources>
<local:ShippersDataSet x:Key="ShippersDataSet"/>
<CollectionViewSource x:Key="ShippersViewSource" Source="{Binding Shippers, Source={StaticResourceShippersDataSet}}"/>
<RoutedUICommand x:Key="FirstCommand" Text="First"/>
<RoutedUICommand x:Key="LastCommand" Text="Last"/>
<RoutedUICommand x:Key="NextCommand" Text="Next"/>
<RoutedUICommand x:Key="PreviousCommand" Text="Previous"/>
<RoutedUICommand x:Key="UpdateCommand" Text="Update"/>
<RoutedUICommand x:Key="AddCommand" Text="Add"/>
<RoutedUICommand x:Key="CancelCommand" Text="Cancel"/>
<Style x:Key="NavButton" TargetType="{x:Type Button}" BasedOn="{x:Null}">
<Setter Property="FontSize" Value="20"/>
<Setter Property="FontFamily" Value="Segoe UI Symbol"/>
<Setter Property="Margin" Value="2,2,2,0"/>
<Setter Property="Width" Value="30"/>
<Setter Property="Height" Value="auto"/>
</Style>
</Window.Resources>
<Window.CommandBindings>
<CommandBinding Command="{StaticResourceFirstCommand}" Executed="FirstCommandHandler"/>
<CommandBinding Command="{StaticResourceLastCommand}" Executed="LastCommandHandler"/>
<CommandBinding Command="{StaticResourceNextCommand}" Executed="NextCommandHandler"/>
<CommandBinding Command="{StaticResourcePreviousCommand}" Executed="PreviousCommandHandler"/>
<CommandBinding Command="{StaticResourceAddCommand}" Executed="AddCommandHandler"/>
<CommandBinding Command="{StaticResourceUpdateCommand}" Executed="UpdatCommandHandler"/>
<CommandBinding Command="{StaticResourceCancelCommand}" Executed="CancelCommandHandler"/>
</Window.CommandBindings>
<Grid DataContext="{StaticResourceShippersViewSource}" >
<Label Height="70" Width="592" HorizontalAlignment="Left" Margin="0,0,0,0" Name="FormHeader_" Background="#79A7E3"
  VerticalAlignment="Top"></Label>
<Border Margin="-1,3,445,175" BorderBrush="Silver" BorderThickness="1"></Border>
<Label Height="67" Width="128" HorizontalAlignment="Left" Margin="0,4,0,0" Name="Label6" Foreground="#00224D" Background="#79A7E3"
  VerticalAlignment="Top" FontSize="20">
<TextBlockTextWrapping="Wrap" >Shippers</TextBlock>
</Label>
<TextBox Height="22" Width="320" HorizontalAlignment="Left" Margin="188,94,0,0" Name="ShipperID" Text="{Binding ShipperID,
  Mode=TwoWay, NotifyOnValidationError=true, ValidatesOnExceptions=true}" Background="FFFFFF" TextAlignment="Left"
  VerticalAlignment="Top" />
<Border Margin="19,93,390,130" BorderBrush="Silver" BorderThickness="1"></Border>
  
```

```

<Label Height="24" Width="163" HorizontalAlignment="Left" Margin="20,94,0,0" Name="ShipperID_Label" Foreground="#5C83B4"
Background="#FFFFFF" VerticalAlignment="Top" FontSize="11">
<TextBlockTextWrapping="Wrap" >Shipper ID</TextBlock>
</Label>
<TextBox Height="22" Width="320" HorizontalAlignment="Left" Margin="188,119,0,0" Name="CompanyName" Text="{Binding CompanyName,
Mode=TwoWay, NotifyOnValidationError=true, ValidatesOnExceptions=true}" Background="#FFFFFF" TextAlignment="Left"
VerticalAlignment="Top" />
<Border Margin="19,118,390,105" BorderBrush="Silver" BorderThickness="1"></Border>
<Label Height="24" Width="163" HorizontalAlignment="Left" Margin="20,119,0,0" Name="CompanyName_Label" Foreground="#5C83B4"
Background="#FFFFFF" VerticalAlignment="Top" FontSize="11">
<TextBlockTextWrapping="Wrap" >Company Name</TextBlock>
</Label>
<TextBox Height="22" Width="320" HorizontalAlignment="Left" Margin="188,145,0,0" Name="Phone" Text="{Binding Phone, Mode=TwoWay,
NotifyOnValidationError=true, ValidatesOnExceptions=true}" Background="#FFFFFF" TextAlignment="Left" VerticalAlignment="Top" />
<Border Margin="19,144,390,79" BorderBrush="Silver" BorderThickness="1"></Border>
<Label Height="24" Width="163" HorizontalAlignment="Left" Margin="20,145,0,0" Name="Phone_Label" Foreground="#5C83B4"
Background="#FFFFFF" VerticalAlignment="Top" FontSize="11">
<TextBlockTextWrapping="Wrap" >Phone</TextBlock>
</Label>
<Grid>
<StackPanel Orientation="Horizontal" Margin="0,216,0,0" Height="32" VerticalAlignment="Top" Background="Gainsboro" >
<Button Name="btnFirst" Content="| ◀" Command="{StaticResourceFirstCommand}" Style="{StaticResourceNavButton}" />
<Button Name="btnPrev" Content="◀" Command="{StaticResourcePreviousCommand}" Style="{StaticResourceNavButton}" />
<Label Content="0 of 0" Height="31" Name="PageNumberLabel" Width="120" HorizontalContentAlignment="Center"/>
<Button Name="btnNext" Content="▶" Command="{StaticResourceNextCommand}" Style="{StaticResourceNavButton}" />
<Button Name="btnLast" Content="▶|" Command="{StaticResourceLastCommand}" Style="{StaticResourceNavButton}" />
<Button Name="btnAdd" Content="Add" Command="{StaticResourceAddCommand}" FontSize="11" Width="40"
Style="{StaticResourceNavButton}"/>
<Button Name="btnSave" Content="Save" Command="{StaticResourceUpdateCommand}" FontSize="11" Width="40"
Style="{StaticResourceNavButton}"/>
<Button Name="btnCancel" Content="Cancel" Command="{StaticResourceCancelCommand}" FontSize="11" Width="40"
Style="{StaticResourceNavButton}"/>
</StackPanel>
</Grid>
</Grid>
</Window>

```

Source File: Shippers.xaml.vb

' Generated by MICROTOOLS Access Conversion Service with 1.0.0927. app

```

Option Strict Off
Option Explicit Off
Imports System.Windows
Imports System.Windows.Controls
Imports System.Windows.Data
Imports System.Windows.Documents
Imports System.Windows.Input
Imports System.Windows.Media
Imports System.Windows.Media.Imaging
Imports System.Windows.Navigation
Imports System.Windows.Shapes
Imports System.IO
Imports System.Data
Imports System.Data.OleDb
Public Class Shippers
    Dim objShippersDataSet As ShippersDataSet
    Dim objShippersViewSource As System.Windows.Data.CollectionViewSource
    Dim OleDbSelectCommand1 As System.Data.OleDb.OleDbCommand = New System.Data.OleDb.OleDbCommand
    Dim OleDbInsertCommand1 As System.Data.OleDb.OleDbCommand = New System.Data.OleDb.OleDbCommand
    Dim OleDbUpdateCommand1 As System.Data.OleDb.OleDbCommand = New System.Data.OleDb.OleDbCommand
    Dim OleDbConnection1 As System.Data.OleDb.OleDbConnection = New System.Data.OleDb.OleDbConnection
    Dim OleDbDataAdapter1 As System.Data.OleDb.OleDbDataAdapter = New System.Data.OleDb.OleDbDataAdapter
    Sub SetupDataSet()

```



```

On Error Resume Next
,
'OleDbConnection1
,
Me.OleDbConnection1.ConnectionString = Northwindconnstr
,
'OleDbDataAdapter1
,
Me.OleDbDataAdapter1.SelectCommand = Me.OleDbSelectCommand1
Me.OleDbDataAdapter1.InsertCommand = Me.OleDbInsertCommand1
Me.OleDbDataAdapter1.UpdateCommand = Me.OleDbUpdateCommand1
,
'OleDbUpdateCommand1
,
Me.OleDbUpdateCommand1.CommandText = "UPDATE [Shippers] SET [CompanyName] = ?, [Phone] = ? WHERE (([ShipperID] = ?))"
Me.OleDbUpdateCommand1.Connection = Me.OleDbConnection1
Me.OleDbUpdateCommand1.Parameters.Add("CompanyName", System.Data.OleDb.OleDbType.[VarChar], 40)
Me.OleDbUpdateCommand1.Parameters.Add("Phone", System.Data.OleDb.OleDbType.[VarChar], 24)
Me.OleDbUpdateCommand1.Parameters.Add("ShipperID", System.Data.OleDb.OleDbType.[Integer], 4)
,
'OleDbInsertCommand1
,
Me.OleDbInsertCommand1.CommandText = "INSERT INTO [Shippers] ([CompanyName], [Phone]) VALUES (?, ?)"
Me.OleDbInsertCommand1.Connection = Me.OleDbConnection1
Me.OleDbInsertCommand1.Parameters.Add("CompanyName", System.Data.OleDb.OleDbType.[VarChar], 40)
Me.OleDbInsertCommand1.Parameters.Add("Phone", System.Data.OleDb.OleDbType.[VarChar], 24)
,
'OleDbSelectCommand1
,
Me.OleDbSelectCommand1.CommandText = "SELECT * FROM [Shippers]"
Me.OleDbSelectCommand1.Connection = Me.OleDbConnection1
,
'objShippersDataSet
,
Me.objShippersDataSet.DataSetName = "ShippersDataSet"
Me.objShippersDataSet.Locale = New System.Globalization.CultureInfo("en-US")
Me.objShippersDataSet.SchemaSerializationMode = System.Data.SchemaSerializationMode.IncludeSchema

End Sub
Private Sub FirstCommandHandler(ByVal sender As System.Object, ByVal e As System.Windows.Input.ExecutedRoutedEventArgs)
objShippersViewSource.View.MoveCurrentToFirst()
objShippersDataSetView._PositionChanged()
End Sub
Private Sub NextCommandHandler(ByVal sender As System.Object, ByVal e As System.Windows.Input.ExecutedRoutedEventArgs)
objShippersViewSource.View.MoveCurrentToNext()
If (objShippersViewSource.View.IsCurrentAfterLast) Then objShippersViewSource.View.MoveCurrentToLast()
objShippersDataSetView._PositionChanged()
End Sub
Private Sub LastCommandHandler(ByVal sender As System.Object, ByVal e As System.Windows.Input.ExecutedRoutedEventArgs)
objShippersViewSource.View.MoveCurrentToLast()
objShippersDataSetView._PositionChanged()
End Sub
Private Sub PreviousCommandHandler(ByVal sender As System.Object, ByVal e As System.Windows.Input.ExecutedRoutedEventArgs)
objShippersViewSource.View.MoveCurrentToPrevious()
If (objShippersViewSource.View.IsCurrentBeforeFirst) Then objShippersViewSource.View.MoveCurrentToFirst()
objShippersDataSetView._PositionChanged()
End Sub
Private Sub AddCommandHandler(ByVal sender As System.Object, ByVal e As System.Windows.Input.ExecutedRoutedEventArgs)
End Sub
Private Sub UpdatCommandHandler(ByVal sender As System.Object, ByVal e As System.Windows.Input.ExecutedRoutedEventArgs)
End Sub
Private Sub CancelCommandHandler(ByVal sender As System.Object, ByVal e As System.Windows.Input.ExecutedRoutedEventArgs)
End Sub
Me.Close()
End Sub
Dim icurrent As Integer = -1

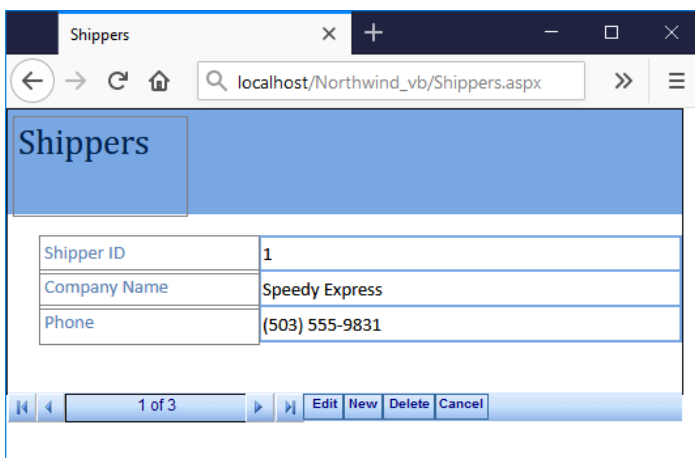
```

```

Dim _nrecords As Integer = 0
Private Sub objShippersDataSetView_PositionChanged()
    On Error Resume Next
    Dim icurrent As Integer = -1
    icurrent = objShippersViewSource.View.CurrentPosition
    If (icurrent < 0) Then icurrent = 0
    PageNumberLabel.Content = (icurrent + 1).ToString() & " of " & _nrecords.ToString()
End Sub
Private Sub Shippers_Load(ByVal sender As System.Object, ByVal e As System.Windows.RoutedEventArgs) Handles MyBase.Loaded
objShippersDataSet = CType(Me.FindResource("ShippersDataSet"), ShippersDataSet)
SetupDataSet()
    OleDbDataAdapter1.Fill(objShippersDataSet, "Shippers")
    _nrecords = objShippersDataSet.Tables("Shippers").Rows.Count
objShippersViewSource = CType(Me.FindResource("ShippersViewSource"), System.Windows.Data.CollectionViewSource)
objShippersDataSetView_PositionChanged()
objShippersViewSource.View.MoveCurrentToFirst()
End Sub
Private Sub Shippers_ContentRendered(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.ContentRendered
objShippersDataSetView_PositionChanged()
End Sub
End Class

```

Converted ASP .NET Form Sample



```

samples\websites\Northwind_vb\App_Code\Northwind_vb
samples\websites\Northwind_vb\Default.aspx
samples\websites\Northwind_vb\Shippers.aspx
samples\websites\Northwind_vb>Showimage.aspx
samples\websites\Northwind_vb\Styles1.css
samples\websites\Northwind_vb\web.config
samples\websites\Northwind_vb\Images\_btn_first.jpg
samples\websites\Northwind_vb\Images\_btn_last.jpg
samples\websites\Northwind_vb\Images\_btn_next.jpg
samples\websites\Northwind_vb\Images\_btn_previous.jpg
samples\websites\Northwind_vb\Images\_navigatorbar.jpg

```

Source File: Shippers.aspx

```

<%@ Page Language="VB" %>
<%@ Import Namespace="System" %>
<%@ Import Namespace="System.Web" %>
<%@ Import Namespace="System.IO" %>

```

```

<%@ Import Namespace="System.Data" %>
<%@ Import Namespace="System.Data.OleDb" %>
<%@ Import Namespace="System.Drawing" %>
<%@ Import Namespace="Microsoft.VisualBasic" %>
<%@ Import Namespace="System.Collections.Generic" %>
<%@ Import Namespace="System.Configuration" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<script runat="server">

```

' Generated by MICROTOOLS Access Conversion Service with 1.0.0927. app ...

```

Public dbconnection As String = ConfigurationManager.ConnectionStrings("myDbConnectionString").ConnectionString
Dim whereclause As String = ""

```

```

Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) '

```

```

dbconnection = dbconnection.Replace("|DataDirectory|", HttpContext.Current.Server.MapPath("") & "\App_Data")

```

```

ShippersDataSource.ConnectionString = dbconnection

```

' The above string values may need to be corrected before you can run this page.

' The following code was provided by Microtools Conversion Service with 1.0.0927. app. (www.microtools.us)

```

If (Not IsPostBack) Then

```

```

    Try

```

```

        If (Request.UrlReferrer Is Nothing) Then

```

```

ViewState("PreviousPageUrl") = "default.aspx"

```

```

        Else

```

```

ViewState("PreviousPageUrl") = Request.UrlReferrer.ToString()

```

```

        End If

```

```

MessageLabel.Text = ""

```

```

    If (File.Exists(HttpContext.Current.Server.MapPath("") & "\Images\Shippers.jpg")) Then MainPanel.BackImageUrl = "Images/Shippers.jpg"

```

```

    If (Not IsDBNull(Request.Params("s")) And Request.Params("s") <> "") Then

```

```

whereclause = Request.Params("s")

```

```

    Else

```

```

        Dim pname As String = Path.GetFileNameWithoutExtension(Page.AppRelativeVirtualPath)

```

```

        Dim sessionwhere As String = CType(Session.Item(pname), String)

```

```

        If (Not IsDBNull(sessionwhere) And sessionwhere <> "") Then whereclause = sessionwhere

```

```

    End If

```

```

    If (whereclause <> "") Then

```

```

        Dim sc As String = ShippersDataSource.SelectCommand

```

```

        If (sc.ToLower().Contains(" where ")) Then

```

```

sc = sc& " AND " & whereclause

```

```

        Else

```

```

sc = sc& " WHERE " & whereclause

```

```

        End If

```

```

ShippersDataSource.SelectCommand = sc

```

```

    End If

```

```

    Using cn As New OleDbConnection(dbconnection)

```

```

cn.Open()

```

```

        Dim cmd As New OleDbCommand

```

```

cmd.Connection = cn

```

```

cn.Close()

```

```

Fillcalculatefields()

```

```

    End Using

```

```

    Catch ex As Exception

```

```

MessageLabel.Text = ex.Message.ToString()

```

```

    End Try

```

```

End If

```

```

End Sub

```

```

Protected Sub InsertBackButton_Click(ByVal sender As Object, ByVal e As System.EventArgs)

```

```

    If (ViewState("PreviousPageUrl") <> "") Then

```

```

Response.Redirect(ViewState("PreviousPageUrl"))

```

```

    Else

```

```

        Response.Redirect(System.Web.HttpContext.Current.Request.ServerVariables("URL"))

```

```

    End If

```

```

End Sub

```

```

Protected Sub FormView1_ItemInserted(ByVal sender As Object, ByVal e As FormViewInsertedEventArgs)

```

```

    If e.Exception Is Nothing Then

```

```

showMsgBox("The record was inserted successfully.")

```

```

Else
MessageLabel.Text = e.Exception.Message
e.ExceptionHandled = True
End If
End Sub
Protected Sub FormView1_OnDataBound(ByVal sender As Object, ByVal e As System.EventArgs)
If (FormView1.PageCount = 0) Then FormView1.ChangeMode(FormViewMode.Insert)
End Sub
Protected Sub FormView1_ItemUpdated(ByVal sender As Object, ByVal e As FormViewUpdatedEventArgs)
If e.Exception Is Nothing Then
showMsgBox("The record was updated successfully.")
Else
MessageLabel.Text = e.Exception.Message
e.ExceptionHandled = True
End If
End Sub
Protected Sub FormView1_ItemUpdating(ByVal sender As Object, ByVal e As FormViewUpdateEventArgs)
MessageLabel.Text = ""
Dim itemArray(e.NewValues.Count - 1) As DictionaryEntry
e.NewValues.CopyTo(itemArray, 0)
Dim entry As DictionaryEntry
For Each entry In itemArray
If entry.Value.Equals("") Then
e.Cancel = True
MessageLabel.Text&= "Please enter a value for the " & entry.Key.ToString() & " field.<br/>"

End If
Next
End Sub
Sub FormView1_ItemInserting(ByVal sender As Object, ByVal e As FormViewInsertEventArgs)
MessageLabel.Text = ""
Dim itemArray(e.Values.Count - 1) As DictionaryEntry
e.Values.CopyTo(itemArray, 0)
Dim entry As DictionaryEntry
For Each entry In itemArray
If entry.Value.Equals("") Then
e.Cancel = True
MessageLabel.Text&= "Please enter a value for the " & entry.Key.ToString() & " field.<br/>"
End If
Next
End Sub
Protected Sub FormView1_ItemDeleted(ByVal sender As Object, ByVal e As FormViewDeletedEventArgs)
Dim msg As String = ""
If e.Exception IsNot Nothing Then
msg = "A database error occurred. Please try again. " & e.Exception.Message.ToString
e.ExceptionHandled = True
ElseIf e.AffectedRows = 0 Then
msg = "Deletion failed due to data access by another user. Please try to delete again."
Else
msg = "Record deleted successfully."
End If
showMsgBox(msg)
End Sub
Protected Sub ItemCommandClick(ByVal sender As Object, ByVal e As FormViewCommandEventArgs)
On Error Resume Next
If (e.CommandName = "Cancel" And FormView1.CurrentMode = FormViewMode.ReadOnly) Then
Response.Redirect(ViewState("PreviousPageUrl").ToString())
End If
End Sub
Protected Sub FormView1_DataBound(ByVal sender As Object, ByVal e As EventArgs)
On Error Resume Next
If (FormView1.DataItemCount < 1) Then Exit Sub
If (FormView1.PageCount = 0) Then FormView1.DefaultMode = FormViewMode.Insert
Dim pagerRow As FormViewRow = FormView1.BottomPagerRow
Dim pageNum As Label = CType(pagerRow.Cells(0).FindControl("PageNumberLabel"), Label)

```

```

If pageNumIsNot Nothing Then
    Dim page As Integer = FormView1.PageIndex + 1
    Dim count As Integer = FormView1.PageCount
    pageNum.Text = "&nbsp;" &page.ToString() & " of " &count.ToString() & "&nbsp;";
End If
Fillcalculatefields()
End Sub
Function checkFormat(ByVal t As Object, ByVal fmt As String) As String
    Try
        Return Format(t, fmt)
    Catch ex As Exception
        Return ""
    End Try
End Function
Function checkDDLList(ByVal t As Object) As String
    Dim tt As Object
    tt = t
    On Error Resume Next
    If IsDBNull(tt) Then tt = ""
    Return tt.ToString()
End Function
Protected Sub showMsgBox(ByRef strMessage As String)
    Dim strScript As String
    strScript = "<script> alert('" &strMessage& "');<" &Chr(47) & "script>"
    If (Not Page.ClientScript.IsStartupScriptRegistered("clientScript")) Then Page.ClientScript.RegisterStartupScript(Me.GetType(), "ClientScript",
    strScript)
End Sub
Protected Sub runjscript(ByVal str As String)
    Dim strScript As String
    strScript = "<script>" & str & "<" &Chr(47) & "script>"
    If (Not Page.ClientScript.IsStartupScriptRegistered("clientScript")) Then Page.ClientScript.RegisterStartupScript(Me.GetType(), "ClientScript",
    strScript)
End Sub
Sub Fillcalculatefields()
    On Error Resume Next
End Sub
</script>
<html xmlns="http://www.w3.org/1999/xhtml" >
<!--Converted by Microtools.us Conversion Services with 1.0.0927. app -->
<head><title>Shippers</title>
<script type=text/javascript>
function ToggleVisibility(objID)
{
document.getElementById(objID).style.display = document.getElementById(objID).style.display != 'inherit'?'inherit':'none';
}
</script>
</head>
<body>
<form id="Form_Shippers" method="post" runat="server">
<asp:Panel id="MainPanel" style="border:black 1px solid;font-size: 9pt; z-index: 101; text-align: left; left: 0%; position: absolute; top: 0px;"
runat="server" Width="516px" Height="217px" BackColor="#FFFFFF" BorderWidth="1px" >
<asp:FormView ID="FormView1" runat="server" DataSourceID="ShippersDataSource"
DataKeyNames="ShipperID"
ondatabound="FormView1_DataBound"
oniteminserting="FormView1_ItemInserting"
oniteminserted="FormView1_ItemInserted"
onitemupdating="FormView1_ItemUpdating"
onitemedited="FormView1_ItemUpdated"
onitemdeleted="FormView1_ItemDeleted"
onitemcommand="ItemCommandClick"
AllowPaging="true">
<ItemTemplate>
<asp:Label ID="FormHeader_" style="z-index:200;background-color:#79A7E3;width:516px;position:absolute;left:0px;top:0px;height:80px"
runat="server" />

```

```
<asp:Label ID="Label6" style="z-index:201;padding: 3px;border:#808080 solid 1px; left:4px; position:absolute; top:5px; color:#00224D; font-size:20pt;" runat="server" Width="126px" Height="69px" Font-Names="Cambria" >Shippers</asp:Label>
<asp:TextBox ID="ShipperID" style="z-index:202;color:#000000;text-align: left;width:318px;position:absolute;left:192px;top:96px;height:22px"
TextMode="SingleLine" Text = '<%# Eval("ShipperID") %>' Font-Size="11pt" Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3"
runat="server" />
<asp:Label ID="ShipperID_Label" style="z-index:203;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:96px; color:#5C83B4;
font-size:11pt;" runat="server" Width="161px" Height="22px" Font-Names="Calibri" >Shipper ID</asp:Label>
<asp:TextBox ID="CompanyName" style="z-index:204;color:#000000;text-align:
left;width:318px;position:absolute;left:192px;top:122px;height:23px" TextMode="SingleLine" Text = '<%# Eval("CompanyName") %>' Font-
Size="11pt" Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3" runat="server" />
<asp:Label ID="CompanyName_Label" style="z-index:205;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:122px;
color:#5C83B4; font-size:11pt;" runat="server" Width="161px" Height="23px" Font-Names="Calibri" >Company Name</asp:Label>
<asp:TextBox ID="Phone" style="z-index:206;color:#000000;text-align: left;width:318px;position:absolute;left:192px;top:149px;height:23px"
TextMode="SingleLine" Text = '<%# Eval("Phone") %>' Font-Size="11pt" Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3"
runat="server" />
<asp:Label ID="Phone_Label" style="z-index:207;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:149px; color:#5C83B4;
font-size:11pt;" runat="server" Width="161px" Height="23px" Font-Names="Calibri" >Phone</asp:Label>
<asp:LinkButton ID="EditButton" runat="server" CommandName="Edit" Text="Edit" Height="18px" Width="30px" style="z-
index:1006;position:absolute;left:226px;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-Names="Arial" Font-
Underline="False" ToolTip="Edit" BorderWidth="1" Font-Size="10px" Font-Bold="True" ForeColor="Navy"></asp:LinkButton>
<asp:LinkButton ID="NewButton" CommandName="New" runat="server" Text="New" Height="18px" Width="30px" style="z-
index:1007;left:256px;position:absolute;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-Names="Arial" Font-
Underline="False" ToolTip="New" BorderWidth="1" Font-Size="10px" Font-Bold="True" ForeColor="Navy"></asp:LinkButton>
<asp:LinkButton ID="DeleteButton" CommandName="Delete" runat="server" Text="Delete" Height="18px" Width="40px" style="z-
index:1008;left:286px;position:absolute;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-Names="Arial" Font-
Underline="False" ToolTip="Delete" BorderWidth="1" Font-Size="10px" Font-Bold="True" ForeColor="Navy"></asp:LinkButton>
<asp:LinkButton ID="CancelButton" commandname="Cancel" runat="server" Text="Cancel" Height="18px" Width="40px" style="z-
index:1009;left:326px;position:absolute;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-Names="Arial" Font-
Underline="False" ToolTip="Cancel" BorderWidth="1" Font-Size="10px" Font-Bold="True" ForeColor="Navy"></asp:LinkButton>
</ItemTemplate>
<PagerTemplate><table style="z-index:999;height:22px;left:0px;width:516px;top:216px;position:absolute;"
background="images/_navigatorbar.jpg" bgcolor="#336699" >
<asp:ImageButton ID="FirstButton" runat="server" CommandName="Page" CommandArgument="First" ImageUrl="images/_btn_first.jpg"
ToolTip="First" Height="20px" Width="20px" style="z-index:1001;position:absolute;left:0px;border-right-width:1;border-color:#FFFFFF;top:217px"
BorderWidth="1" BorderStyle="Outset"></asp:ImageButton>
<asp:ImageButton ID="PrevButton" CommandName="Page" CommandArgument="Prev" runat="server" ImageUrl="images/_btn_previous.jpg"
ToolTip="Previous" Height="20px" Width="20px" style="z-index:1002;position:absolute;left:22px;border-right-width:1;border-
color:#FFFFFF;top:217px" BorderWidth="1" BorderStyle="Outset"></asp:ImageButton>
<asp:Label ID="PageNumberLabel" runat="server" Height="20px" Width="137px" Font-Names="Arial" Text="0" style="z-
index:1003;position:absolute;left:44px;top:217px;text-align:center" ForeColor="Navy" BorderColor="Black" BorderWidth="1" BorderStyle="Ridge"
/>
<asp:ImageButton ID="NextButton" CommandName="Page" CommandArgument="Next" runat="server" ImageUrl="images/_btn_next.jpg"
ToolTip="Next" Height="20px" Width="20px" style="z-index:1004;position:absolute;left:182px;border-right-width:1;border-
color:#FFFFFF;top:217px" BorderWidth="1" BorderStyle="Outset"></asp:ImageButton>
<asp:ImageButton ID="LastButton" CommandName="Page" CommandArgument="Last" runat="server" ImageUrl="images/_btn_last.jpg"
ToolTip="Last" Height="20px" Width="20px" style="z-index:1005;position:absolute;left:205px;border-right-width:1;border-
color:#FFFFFF;top:217px" BorderWidth="1" BorderStyle="Outset"></asp:ImageButton>
</table></PagerTemplate>
<InsertItemTemplate>
<asp:Label ID="addFormHeader_" style="z-index:10200;background-color:#79A7E3;width:516px;position:absolute;left:0px;top:0px;height:80px"
runat="server" />
<asp:Label ID="addLabel6" style="z-index:10201;padding: 3px;border:#808080 solid 1px; left:4px; position:absolute; top:5px; color:#00224D; font-
size:20pt;" runat="server" Width="126px" Height="69px" Font-Names="Cambria" >Shippers</asp:Label>
<asp:TextBox ID="addShipperID" style="z-index:10202;color:#000000;text-align:
left;width:318px;position:absolute;left:192px;top:96px;height:22px" TextMode="SingleLine" Text = '<%# Bind("ShipperID") %>' Font-Size="11pt"
Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3" runat="server" />
<asp:Label ID="addShipperID_Label" style="z-index:10203;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:96px;
color:#5C83B4; font-size:11pt;" runat="server" Width="161px" Height="22px" Font-Names="Calibri" >Shipper ID</asp:Label>
<asp:TextBox ID="addCompanyName" style="z-index:10204;color:#000000;text-align:
left;width:318px;position:absolute;left:192px;top:122px;height:23px" TextMode="SingleLine" Text = '<%# Bind("CompanyName") %>' Font-
Size="11pt" Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3" runat="server" />
<asp:Label ID="addCompanyName_Label" style="z-index:10205;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:122px;
color:#5C83B4; font-size:11pt;" runat="server" Width="161px" Height="23px" Font-Names="Calibri" >Company Name</asp:Label>
```

```

<asp:TextBox ID="addPhone" style="z-index:10206;color:#000000;text-align: left;width:318px;position:absolute;left:192px;top:149px;height:23px"
TextMode="SingleLine" Text ='\<%# Bind("Phone") %>' Font-Size="11pt" Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3"
runat="server" />

<asp:Label ID="addPhone_Label" style="z-index:10207;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:149px;
color:#5C83B4; font-size:11pt;" runat="server" Width="161px" Height="23px" Font-Names="Calibri" >Phone</asp:Label>

<table style="z-index:999;height:22px;left:0px;width:516px;top:216px;position:absolute;" background="images/_navigatorbar.jpg"
bgcolor="#336699" ><asp:LinkButton ID="InsertButton" runat="server" CommandName="Insert" Text="Insert" Height="18px" Width="50px"
style="z-index:1006;position:absolute;left:0px;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-Names="Arial" Font-
Underline="False" ToolTip="Edit" BorderWidth="1" Font-Size="10px" Font-Bold="True" ForeColor="Navy"></asp:LinkButton>

<asp:LinkButton ID="CancelInsertButton" CommandName="Cencel" runat="server" Text="Cencel" Height="18px" Width="50px" style="z-
index:1007;left:50px;position:absolute;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-Names="Arial" Font-
Underline="False" ToolTip="New" BorderWidth="1" Font-Size="10px" Font-Bold="True" ForeColor="Navy"></asp:LinkButton>

<asp:LinkButton ID="InsertBackButton" runat="server" Text="Back" CausesValidation = "false" onclick="InsertBackButton_Click" Height="18px"
Width="50px" style="z-index:1008;left:100px;position:absolute;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-
Names="Arial" Font-Underline="False" ToolTip="Delete" BorderWidth="1" Font-Size="10px" Font-Bold="True"
ForeColor="Navy"></asp:LinkButton>

</table>

</InsertItemTemplate>

<EditItemTemplate>

<asp:Label ID="editFormHeader_" style="z-index:20200;background-color:#79A7E3;width:516px;position:absolute;left:0px;top:0px;height:80px"
runat="server" />

<asp:Label ID="editLabel6" style="z-index:20201;padding: 3px;border:#808080 solid 1px; left:4px; position:absolute; top:5px; color:#00224D; font-
size:20pt;" runat="server" Width="126px" Height="69px" Font-Names="Cambria" >Shippers</asp:Label>

<asp:TextBox ID="editShipperID" style="z-index:20202;color:#000000;text-align:
left;width:318px;position:absolute;left:192px;top:96px;height:22px" TextMode="SingleLine" Text ='\<%# Bind("ShipperID") %>' Font-Size="11pt"
Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3" runat="server" />
<asp:Label ID="editShipperID_Label" style="z-index:20203;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:96px;
color:#5C83B4; font-size:11pt;" runat="server" Width="161px" Height="22px" Font-Names="Calibri" >Shipper ID</asp:Label>

<asp:TextBox ID="editCompanyName" style="z-index:20204;color:#000000;text-align:
left;width:318px;position:absolute;left:192px;top:122px;height:23px" TextMode="SingleLine" Text ='\<%# Bind("CompanyName") %>' Font-
Size="11pt" Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3" runat="server" />
<asp:Label ID="editCompanyName_Label" style="z-index:20205;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:122px;
color:#5C83B4; font-size:11pt;" runat="server" Width="161px" Height="23px" Font-Names="Calibri" >Company Name</asp:Label>
<asp:TextBox ID="editPhone" style="z-index:20206;color:#000000;text-align: left;width:318px;position:absolute;left:192px;top:149px;height:23px"
TextMode="SingleLine" Text ='\<%# Bind("Phone") %>' Font-Size="11pt" Font-Names="Calibri" BorderStyle="Solid" BorderColor="#79A7E3"
runat="server" />
<asp:Label ID="editPhone_Label" style="z-index:20207;padding: 3px;border:#808080 solid 1px; left:24px; position:absolute; top:149px;
color:#5C83B4; font-size:11pt;" runat="server" Width="161px" Height="23px" Font-Names="Calibri" >Phone</asp:Label>
<asp:LinkButton ID="UpdateButton" runat="server" CommandName="Update" Text="Update" Height="18px" Width="50px" style="z-
index:1006;position:absolute;left:226px;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-Names="Arial" Font-
Underline="False" ToolTip="Edit" BorderWidth="1" Font-Size="10px" Font-Bold="True" ForeColor="Navy"></asp:LinkButton>
<asp:LinkButton ID="CancelUpdateButton" commandname="Cancel" runat="server" Text="Cancel" Height="18px" Width="50px" style="z-
index:1007;left:276px;position:absolute;top:217px;text-align:center;" BorderColor="#336699" BorderStyle="Solid" Font-Names="Arial" Font-
Underline="False" ToolTip="New" BorderWidth="1" Font-Size="10px" Font-Bold="True" ForeColor="Navy"></asp:LinkButton>
</EditItemTemplate>
</asp:FormView>
<asp:SqlDataSource ID="ShippersDataSource"
SelectCommand="SELECT ShipperID,CompanyName,Phone FROM Shippers"
InsertCommand="INSERT INTO Shippers (CompanyName, Phone) VALUES (?, ?)"
UpdateCommand="UPDATE Shippers SET CompanyName = ?, Phone = ? WHERE ((ShipperID = ?))"
DeleteCommand="DELETE FROM Shippers WHERE ((ShipperID = ?))"
ConnectionString="<%$ ConnectionStrings:myDbConnectionString %>"
ProviderName = "System.Data.OleDb"
RunAt="server">
</asp:SqlDataSource>

```

```
<InsertParameters>
<asp:Parameter Name="CompanyName" />
<asp:Parameter Name="Phone" />
</InsertParameters>
<UpdateParameters>
<asp:Parameter Name="CompanyName" />
<asp:Parameter Name="Phone" />
<asp:Parameter Name="original_ShipperID" Direction="Input" DataRowversion="Original" SourceColumn="ShipperID" />
</UpdateParameters>
<DeleteParameters>
<asp:Parameter Name="original_ShipperID" Direction="Input" DataRowversion="Original" SourceColumn="ShipperID" />
</DeleteParameters>
</asp:Panel>
<asp:label ID="MessageLabel" forecolor="Red" runat="server"/>
</form>
</body>
</html>
```

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