

Microtools Access Form UI & Report 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 and Microsoft Access report to .NET in the source of VB .NET/C#. After you create an account, you can log into the application. For the Form 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. Conversion Service Credit can be purchased through this application via an online PayPal order form. You will be then able to select any Access file and form(s)/report(s) to convert. 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 and reports 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 autoexec macro, password and popup forms if any are in your Access database.

II. Download and Installation*:

1. Download the zipped program file at
<https://www.microtools.us/downloads/MicrotoolsAccessConversionServicePlusApp.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 MicrotoolsAccessConversionServicePlusApp.zip in your Downloads folder into the folder c:\mcs or another folder.

*No installation is required.

III. Run the Application**:

Run the application:

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

C:\mcs\MicrotoolsConversionServicePlusApp.EXE if the program folder is c:\mcs

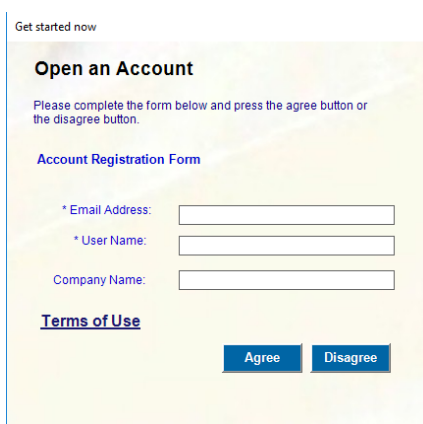
On a Windows system with 32bit Access 2000 or later as the default Access it will automatically run the program c:\mcs\x86\MicrotoolsConversionServicePlusAppx86.EXE:

On a Windows system with 64bit Access 2010 or later as the default Access it will automatically run the program c:\mcs\x64\MicrotoolsConversionServicePlusAppx64.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 window titled "Open an Account". At the top left, it says "Get started now". Below the title, there is a instruction: "Please complete the form below and press the agree button or the disagree button." The form is titled "Account Registration Form" and contains three input fields: "* Email Address:", "* User Name:", and "Company Name:". Below the fields is a link for "Terms of Use". At the bottom, there are 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

1. Select an output target option, for forms such as VB WinForm, C# WinForm, VB WPF, C# WPF, VB Web, C# Web or for reports such as VB WinForm xps, C# WinForm xps, VB Web PDF, C# Web PDF.
2. Click the Login button after filling in your email address and pass code.
3. Enter your email and click the 'Forgot Pass Code' link and we'll email you your password.

Access Form to VB .NET WinForm UI Conversion App-Microtools

Converter Selection:

Form Conversion: Introduction Price: \$4.00/form

☒ VB WinForm ☐ VB WPF ☐ VB Web

☐ C# WinForm ☐ C# WPF ☐ C# Web

Report Conversion: Introduction Price:\$10.00/report

☐ VB WinForm XPS ☐ VB Web PDF

☐ C# WinForm XPS ☐ C# Web PDF

Login:

Email Address

Pass Code

[Sign up](#) [Forgot Pass Code](#)

[Log In>](#)

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Access Form to VB .NET WinForm UI Conversion App-Microtools

File Form Account Order Help

Welcome to Microtools Access Whiz Conversion World!

This tool allows you to preview some of initial conversion result for evaluating our UI conversion ability before you place your order. Note: the previews from this tool are simulated WinForms and may be slightly different from the actual production conversions since they are for illustration purpose only.

Requirements:

- 1 Access 2000 or later installed.
- 2 Disable autoexec macro/ prompts/ password/popup forms in your Access if any.
- 3 Run this app as administrator.

Please send your suggestions/questions to support@microtools.us.

Your service credit balance: \$162.00

VI. Form Conversion Pricing ***

\$4 per form, \$10 per report

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

***Subject to change

VII. Order Service Credit



Service Credit Order Form

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

User Name:

User Email:

Credit Balance: \$168.00

Order Amount: \$

Pay Order

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

Conversion Orders

InvoiceID	Order Date	Subtotal	Discount	Total	ProductOptions	InvoiceType
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)

Exit

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

Close Account

 **Are you sure you want to close your 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. Form Conversion:

1. Select a form type and login:

Access Form to VB .NET WinForm UI Conversion App-Microtools

Converter Selection:

Form Conversion: Introduction Price: \$4.00/form

☒ VB WinForm
 ☐ VB WPF
 ☐ VB Web
 ☐ C# WinForm
 ☐ C# WPF
 ☐ C# Web

Report Conversion: Introduction Price:\$10.00/report

☐ VB WinForm XPS
 ☐ VB Web PDF
 ☐ C# WinForm XPS
 ☐ C# Web PDF

Login:

Email Address

Pass Code

[Sign up](#) [Forgot Pass Code](#)

[Log In>](#)

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2. Select an Access file: File -> Open

Open

Local Disk (C:) > northwind

Search northwind

Organize New folder

Quick access Desktop Downloads Documents Pictures 0 Local Disk (C:)

Name Date modified Type

Northwind 5/1/2003 10:49 AM Microsoft Access Database

Type: Microsoft Office Access Database
Size: 2.28 MB
Date modified: 5/1/2003 10:49 AM

File name: Northwind Microsoft Access files

[Open](#) [Cancel](#)

Access Form to VB .NET WinForm UI Conversion App-Microtools

File Form Account Order Help

NORTHWIND.MDB contains 21 form which were not yet converted. You may select any form to convert/preview the UI conversion result now. You can also purchase any converted form in source code at introduction price: \$6.00 per form by clicking the 'O' button on the Viewer page.

Note: the output .Designer.vb files will be similar to those ones converted by our Access Whiz Option B converter.

Your service credit balance: \$168.00 © Copyright Microtools.us.

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

Microtools Converted Form - Products(a simulated WinForm)

[Preview product list](#) [A](#) [O](#) [S](#) [X](#)

Products

Output product list as HTML

Product ID: 1

Product Name: Cha

Supplier: Exotic Liquids

Category: Beverages

Quantity Per Unit: 10 boxes x 20 bags

Unit Price: \$18.00

Units In Stock: 39

Units On Order: 0

Reorder Level: 10

Discontinued: ☐

1 of 77

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)

```

Me.FormHeader.TabIndex = 1
Me.FormHeader.Location = New System.Drawing.Point(1, 0)
Me.FormHeader.Size = New System.Drawing.Size(557, 59)
Me.FormHeader.BorderStyle = System.Windows.Forms.BorderStyle...
Me.FormHeader.SendToBack()
Me.FormHeader.Visible = True
Me.FormHeader.BackColor = System.Drawing.Color.Transparent
'
' TitleLabel
'
Me.TitleLabel.Name = "TitleLabel"
Me.TitleLabel.Font = New System.Drawing.Font("Arial", 11, Syst...
Me.TitleLabel.BackColor = System.Drawing.Color.FromArgb(CType...
Me.TitleLabel.BorderStyle = System.Windows.Forms.BorderStyle...
Me.TitleLabel.TextAlign = System.Drawing.ContentAlignment.Mid...
Me.TitleLabel.Location = New System.Drawing.Point(127, 20)
Me.TitleLabel.Size = New System.Drawing.Point(78, 25)
Me.TitleLabel.Text = "Products"

```

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

4. Close the app: File -> Exit

X. Report Conversion:

1. Select a report type and login

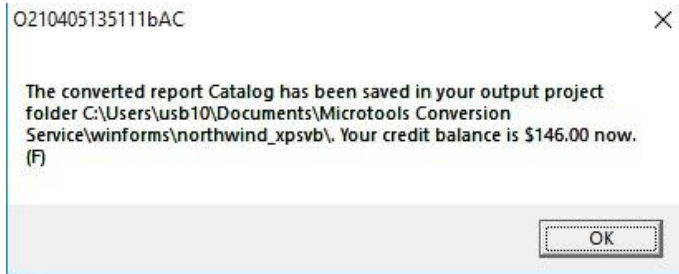
The screenshot shows a login window titled "Access Form to VB .NET WinForm UI Conversion App-Microtools". It features a "Converter Selection" section with two categories: "Form Conversion: Introduction Price: \$4.00/form" and "Report Conversion: Introduction Price: \$10.00/report". Each category has three radio button options: VB WinForm, VB WPF, VB Web for forms, and VB WinForm XPS, VB Web PDF, C# WinForm XPS, C# Web PDF for reports. Below this is a "Login:" section with "Email Address" and "Pass Code" input fields, and "Sign up" and "Forgot Pass Code" links. A "Log In>" button is at the bottom right. The footer shows "32" and "Copyright © 2021 Microtools.us. All rights reserved."

2. Select an Access file: File -> Open

The screenshot shows the main window titled "Access Report to VB .NET WinForm XPS Report Conversion App-Microtools". It has a menu bar with "File", "Report", "Account", "Order", and "Help". The main content area says "Welcome to Microtools Access Whiz Conversion World!". Under "Requirements:", it lists: "1 Access 2000 or later installed.", "2 Disable autoexec macro/ prompts/ password/popup forms in your Access if any.", and "3 Run this app as administrator." It also includes the text "Please send your suggestions/questions to support@microtools.us."

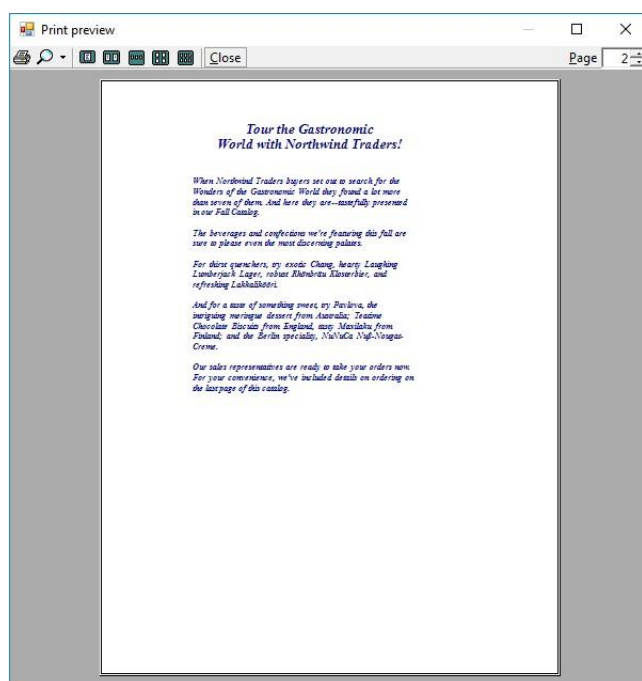
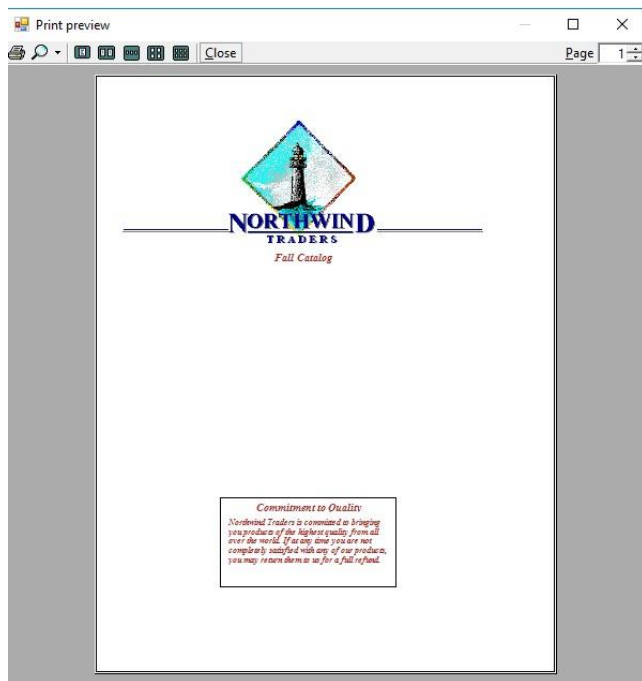
3. Select a report to convert: Report -> Catalog

The screenshot shows a "Catalog" dialog box with a close button (X). It contains an information icon (i) and the text "Ready to order this current converted report?". At the bottom, there are "Yes" and "No" buttons.

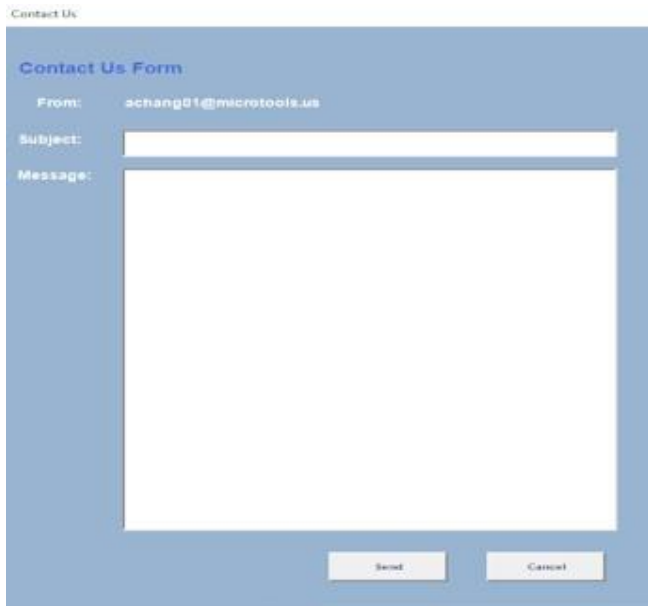


The output files xps_Catalog.Designer.vb, xps_Catalog.Resx and xps_Catalog.vb were added to the default output folder. The invoice file was added to the Microtools Conversion Service\Invoices folder.

Sample output pages from the converted program:



XII. Contact Us: Help -> Contact Us



Contact Us

Contact Us Form

From: achang81@microtools.us

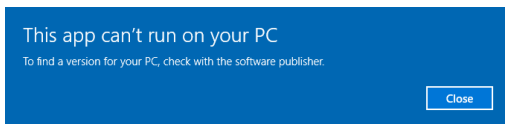
Subject:

Message:

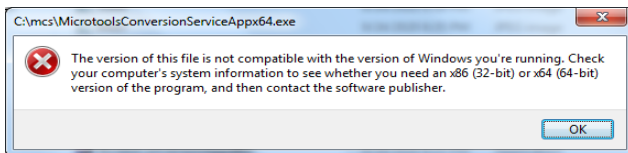
Send Cancel

XIII. Runtime Error Messages:

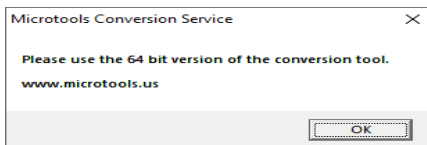
1. Use an incorrect version of the app – e.g. using 64bit version of the app on a system with 32bit Access on a Windows 10 system



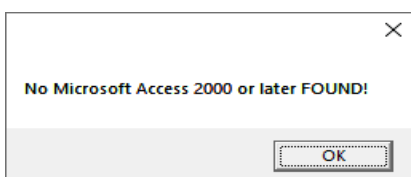
or on a Windows 7 system



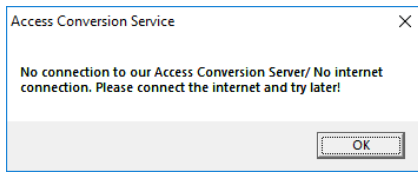
2. Use an incorrect version of the app – e.g. using 32bit version of the app on a system with 64bit Access



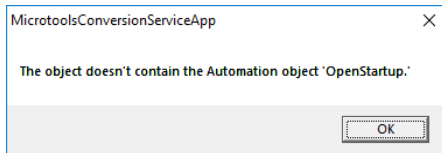
3. Run the app on a system without any Microsoft Access 2000 or later installed



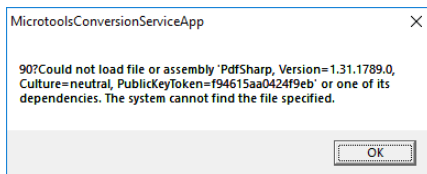
4. No connection to our Access Conversion Server/ internet connection



5. Select a form that contains a missing object

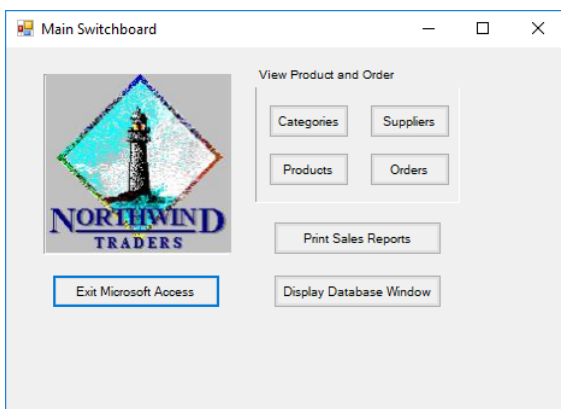
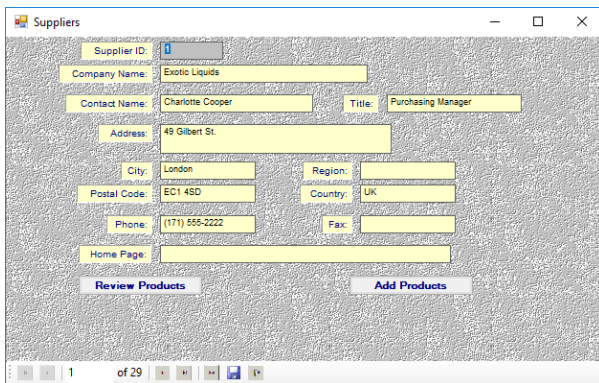


6. Missing a required file in the program folder



XIV Sample Screenshots

WinForms (build with Visual Studio .NET)



WPF Forms (build with Visual Studio .NET)

A screenshot of a WPF application window titled "Suppliers". The window contains a form for entering supplier information. The fields are as follows:

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

At the bottom of the form are two buttons: "Review Products" and "Add Products". Below the form is a navigation bar with a list box showing "1 of 29" and buttons for "Add", "Save", and "Cancel".

A screenshot of a WPF application window titled "Main Switchboard". The window features a logo for "NORTHWIND TRADERS" on the left. To the right of the logo is a section titled "View Product and Order Information:" containing four buttons: "Categories", "Suppliers", "Products", and "Orders". Below this section are two more buttons: "Print Sales Reports" and "Display Database Wind". At the bottom left is a button labeled "Exit Microsoft Access".

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

A screenshot of an ASP.NET Web Forms application running in a browser. The browser window title is "Main Switchboard". The address bar shows "localhost/Northwind_vb/Main...". The page content is identical to the WPF Main Switchboard window, featuring the "NORTHWIND TRADERS" logo, navigation buttons ("Categories", "Suppliers", "Products", "Orders", "Print Sales Reports", "Display Database Window"), and an "Exit Microsoft Access" button.

A screenshot of an ASP.NET Web Forms application running in a browser. The browser window title is "Suppliers". The address bar shows "localhost/Northwind_vb/Suppliers.aspx". The page content is identical to the WPF Suppliers form window, displaying the supplier information form with fields for Supplier ID, Company Name, Contact Name, Title, Address, City, Region, Postal Code, Country, Phone, Fax, and Home Page, along with "Review Products" and "Add Products" buttons. The bottom navigation bar shows "1 of 29" and buttons for "Edit", "New", "Delete", and "Cancel".

XV. 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\PdfSharp.Charting.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

XVI. Support Contact Information

Email: support@microtools.us

Online Contact Form: <https://www.microtools.us/contactus.aspx>

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

XVII. 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 three versions (i.e. one for Access 2000, one for 32bit Access and the other for 64bit Access). Access Whiz I 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.

XVIII. Sample Output Source Code

Original Access Form Sample

The screenshot shows an Access form window titled 'Shippers'. The form has a blue header bar with the title 'Shippers'. Below the header, there are three text boxes: 'Shipper ID' with a value of '1', 'Company Name' with a value of 'Speedy Express', and 'Phone' with a value of '(503) 555-9831'. At the bottom of the form, there is a status bar that says 'Record: 1 of 3' and a search button labeled 'Search'.

Converted WinForm Sample

The screenshot shows a converted WinForm window titled 'Shippers'. The form has a blue header bar with the title 'Shippers'. Below the header, there are three text boxes: 'Shipper ID' with a value of '1', 'Company Name' with a value of 'Speedy Express', and 'Phone' with a value of '(503) 555-9831'. At the bottom of the form, there is a status bar that says '1 of 3'.

```
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
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 WithEvents BindingNavigatorSeparator1 As System.Windows.Forms.ToolStripSeparator
Friend WithEventsBindingNavigatorMoveNextItem As System.Windows.Forms.ToolStripButton
Friend WithEventsBindingNavigatorMoveLastItem As System.Windows.Forms.ToolStripButton
Friend WithEvents BindingNavigatorSeparator2 As System.Windows.Forms.ToolStripSeparator
Friend WithEvents BindingSource1 As System.Windows.Forms.BindingSource
Friend WithEvents OleDbSelectCommand1 As System.Data.OleDb.OleDbCommand
Friend WithEvents OleDbInsertCommand1 As System.Data.OleDb.OleDbCommand
Friend WithEvents OleDbUpdateCommand1 As System.Data.OleDb.OleDbCommand
Friend WithEvents OleDbConnection1 As System.Data.OleDb.OleDbConnection
Friend WithEvents OleDbDataAdapter1 As System.Data.OleDb.OleDbDataAdapter
Friend WithEventsobjShippersDataSet As DataSet
Friend WithEventsFormHeader_ As System.Windows.Forms.Panel
Friend WithEvents Label6 As System.Windows.Forms.Label
Friend WithEventsShipperID As System.Windows.Forms.TextBox
Friend WithEventsShipperID_Label As System.Windows.Forms.Label
Friend Shadows WithEvents CompanyName As System.Windows.Forms.TextBox
Friend WithEventsCompanyName_Label As System.Windows.Forms.Label
Friend WithEvents Phone 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.

"Generated by MICROTOOLS Access Conversion Service App ...

```

'
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
    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

Shippers

Shipper ID	1
Company Name	Speedy Express
Phone	(503) 555-9831

1 of 3 Add Save Cancel

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={StaticResource ShippersDataSet}}"/>
    <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="{StaticResource FirstCommand}" Executed="FirstCommandHandler"/>
    <CommandBinding Command="{StaticResource LastCommand}" 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)
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

The screenshot shows a web browser window with the title 'Shippers'. The address bar shows 'localhost/Northwind_vb/Shippers.aspx'. The main content area has a blue header with the word 'Shippers'. Below the header is a table with the following data:

Shipper ID	Company Name	Phone
1	Speedy Express	(503) 555-9831

Below the table is a pagination bar showing '1 of 3' and buttons for 'Edit', 'New', 'Delete', and 'Cancel'.

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.ExceptionIsNot 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."
    End If
End Sub

```



```

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 pageNum IsNot 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>

```

Original Access Report Sample

Microsoft Access - [Shippers]

File Edit View Tools Window Help Show Me

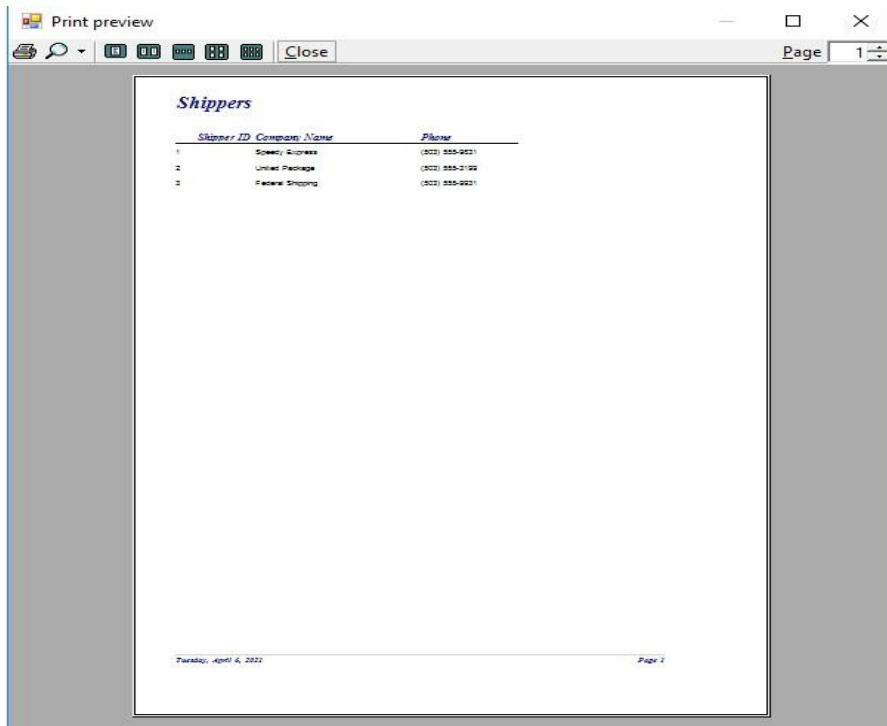
100% Close

<i>Shippers</i>			
	<i>Shipper ID</i>	<i>Company Name</i>	<i>Phone</i>
1	Speedy Express		(503) 555-9831
2	United Package		(503) 555-3199
3	Federal Shipping		(503) 555-9931

Page: 1

Ready

Converted Report



Source File: xps_Shippers.vb

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Imports System

Imports System.Collections.Generic

Imports System.ComponentModel

Imports System.Data

Imports System.Configuration

Imports System.Data.OleDb

Imports System.IO.File

Imports System.Text

Imports System.Drawing

Imports System.Drawing.Drawing2D

Imports System.Drawing.Printing

Imports System.Windows.Forms

Imports Microsoft.VisualBasic

Public Class xps_Shippers

Protected mPages As Integer, newPage As Boolean = False

Protected leftMargin As Integer, topMargin As Integer, bottomMargin As Integer

Protected printWidth As Integer, printHeight As Integer, rightMargin As Integer

Protected iPage As Integer, nPages As Integer, tHeight As Integer

Protected filename As String

Protected connectionString As String

Protected printheadheight As Integer, pageheaderheight As Integer

Protected breakheaderheight(11) As Integer, breakfooterheight(11) As Integer

Protected detailheight As Integer, pagefooterheight As Integer, formfooterheight As Integer

Protected textWidth As Integer, textHeight As Integer, textLeft As Integer

Protected line As String, lineWidth As Integer, lineLeft As Integer, lineHeight As Integer

Protected labeltext As String

Protected dv As DataView, dr As DataRow, dr0 As DataRow

Protected top0 As Integer, endofreport As Boolean, pline As Boolean

Protected nrs As Long, ithr As Long, breakvalue As String, b As String

Protected imageObj As System.Drawing.Image, imageWidth As Integer, imageLeft As Integer, imageHeight As Integer

Protected img As Bitmap

Protected getdataSQL As String = ""

Protected ms As System.IO.MemoryStream, imgb() As Byte

Protected nfi As System.Globalization.NumberFormatInfo = New System.Globalization.NumberFormatInfo()

```

Public sortexpression As String = ""
Public selectexpression As String = ""
Public MainTopMargin As Integer = 0
Public CurrentPosition As Integer = 0
Public BottomPosition As Integer = 0
Public LeftPosition As Integer = 0
Protected string_format As StringFormat
Protected layout_rect As Rectangle
Protected thePen As Pen, theBrush As Brush, theFont As Font
Sub PrintHeader(ByVal ithp As Integer, ByVal e As System.Drawing.Printing.PrintPageEventArgs)
    Dim top As Integer
    On Error Resume Next
    top = topMargin
    If(ithp = 1)Then

' Label6
        currentPosition = top + 4
        textWidth = 123
        textHeight = 32
        textLeft = leftMargin + 4
        labeltext = "Shippers"
        theFont =New System.Drawing.Font("Times New Roman", 20, System.Drawing.FontStyle.Bold Or FontStyle.Italic)
        theBrush = Brushes.Navy
        string_format = New System.Drawing.StringFormat
        string_format.Alignment = StringAlignment.Near
        layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
        e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)
    End If
End Sub
Sub Printpageheader(ByVal e As System.Drawing.Printing.PrintPageEventArgs)
    Dim top As Integer
    On Error Resume Next
    top = top0

' ShipperID_Label
        currentPosition = top + 4
        textWidth = 106
        textHeight = 17
        textLeft = leftMargin + 4
        labeltext = "Shipper ID"
        theFont =New System.Drawing.Font("Times New Roman", 11, System.Drawing.FontStyle.Bold Or FontStyle.Italic)
        theBrush = Brushes.Navy
        string_format = New System.Drawing.StringFormat
        string_format.Alignment = StringAlignment.Far
        layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
        e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)

' CompanyName_Label
        currentPosition = top + 4
        textWidth = 222
        textHeight = 17
        textLeft = leftMargin + 111
        labeltext = "Company Name"
        theFont =New System.Drawing.Font("Times New Roman", 11, System.Drawing.FontStyle.Bold Or FontStyle.Italic)
        theBrush = Brushes.Navy
        string_format = New System.Drawing.StringFormat
        string_format.Alignment = StringAlignment.Near
        layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
        e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)

' Phone_Label
        currentPosition = top + 4
        textWidth = 136
        textHeight = 17
        textLeft = leftMargin + 334

```

```

labeltext = "Phone"
theFont =New System.Drawing.Font("Times New Roman", 11, System.Drawing.FontStyle.Bold Or FontStyle.Italic)
theBrush = Brushes.Navy
string_format = New System.Drawing.StringFormat
string_format.Alignment = StringAlignment.Near
layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)

' Line9
currentPosition = top + 23
lineWidth = 462
thePen = New Pen(Color.Black, 2)
lineLeft = leftMargin + 4
e.Graphics.DrawLine(thePen, lineLeft, currentPosition, lineLeft + lineWidth, currentPosition)
pline = True
End Sub
Sub PrintDetailSection(ByVal e As System.Drawing.Printing.PrintPageEventArgs, ithr As Long, dr As DataRow)
    Dim top As Integer
    On Error Resume Next
    top = top0

' ShipperID - ShipperID
currentPosition = top + 4
textWidth = 89
textHeight = 16
textLeft = leftMargin + 4
labeltext = dr.Item("ShipperID").ToString()
theFont =New System.Drawing.Font("Arial", 8, System.Drawing.FontStyle.Regular)
theBrush = Brushes.Black
string_format = New System.Drawing.StringFormat
string_format.Alignment = StringAlignment.Near
layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)

' CompanyName - CompanyName
currentPosition = top + 4
textWidth = 222
textHeight = 19
textLeft = leftMargin + 111
labeltext = dr.Item("CompanyName").ToString()
theFont =New System.Drawing.Font("Arial", 8, System.Drawing.FontStyle.Regular)
theBrush = Brushes.Black
string_format = New System.Drawing.StringFormat
string_format.Alignment = StringAlignment.Near
layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)

' Phone - Phone
currentPosition = top + 4
textWidth = 136
textHeight = 19
textLeft = leftMargin + 334
labeltext = dr.Item("Phone").ToString()
theFont =New System.Drawing.Font("Arial", 8, System.Drawing.FontStyle.Regular)
theBrush = Brushes.Black
string_format = New System.Drawing.StringFormat
string_format.Alignment = StringAlignment.Near
layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)
End Sub
Sub PrintPageFooter(ByVal e As System.Drawing.Printing.PrintPageEventArgs)
    Dim top As Integer
    On Error Resume Next
    top = printHeight - pagefooterheight

```

```

' Text7 - =Now()
    currentPosition = top + 17
    textWidth = 329
    textHeight = 21
    textLeft = leftMargin + 4
    labeltext = Now() ' ?
    labeltext = Format(CDate(labeltext), "Long Date")
    theFont = New System.Drawing.Font("Times New Roman", 9, System.Drawing.FontStyle.Bold Or FontStyle.Italic)
    theBrush = Brushes.Navy
    string_format = New System.Drawing.StringFormat
    string_format.Alignment = StringAlignment.Near
    layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
    e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)

' Text8 - ="Page \" & [Page] & \" of \" & [Pages]
    currentPosition = top + 17
    textWidth = 329
    textHeight = 21
    textLeft = leftMargin + 338
    labeltext ="Page " & iPage.ToString() & " of " & nPages.ToString() ' ?
    theFont =New System.Drawing.Font("Times New Roman", 9, System.Drawing.FontStyle.Bold Or FontStyle.Italic)
    theBrush = Brushes.Navy
    string_format = New System.Drawing.StringFormat
    string_format.Alignment = StringAlignment.Far
    layout_rect = New Rectangle(textLeft, currentPosition, textWidth, textHeight)
    e.Graphics.DrawString(labeltext, theFont, theBrush, layout_rect, string_format)

' Line10
    currentPosition = top + 15
    lineWidth = 660
    thePen = New Pen(Color.LightGray, 3)
    lineLeft = leftMargin + 4
    e.Graphics.DrawLine(thePen, lineLeft, currentPosition, lineLeft + lineWidth, currentPosition)
    pline = True
End Sub
Sub PrintFormFooter(ByVal e As System.Drawing.Printing.PrintPageEventArgs)
    Dim top As Integer
    On Error Resume Next
    top = topMargin 'top0
End Sub

' P42
Private Sub PrintDocument1_PrintPage(ByVal sender As Object, ByVal e As System.Drawing.Printing.PrintPageEventArgs) Handles
PrintDocument1.PrintPage
    Dim tp As Integer
    tp = topMargin
    PrintDocument1_PrintPageControl(e, tp)
    top0 = tp
End Sub
Sub PrintDocument1_PrintPageControl(ByVal e As System.Drawing.Printing.PrintPageEventArgs, ByRef tp As Integer)
    topMargin = tp
    Dim bh As Integer, bf As Integer, top1 As Integer, left1 As Integer
    Dim rowCounter As Integer, ig As Integer, ithr1 As Integer
    top0 = topMargin
    e.HasMorePages = False
    iPage = iPage + 1
    If (iPage = 1) Then
        PrintHeader(1, e)
        top0 = topMargin + printheadheight
    Else
        top0 = topMargin
    End If
    bh = 0
    bf = 0
    If(pageheaderheight > 0) Then
        Printpageheader(e)
    End If

```



```

        top0 = top0 + pageheaderheight
    End If
    top1 = top0
    left1 = leftMargin
    top0 = top1
    ithr1 = ithr
    For rowCounter = ithr To nrs - 1
        dr = dv.Table.Rows(rowCounter)
        e.HasMorePages = False
        If (printHeight <= top0 + 2 + detailheight + bf + bh + pagefooterheight) Then
            PrintPageFooter(e)
            top0 = topMargin
            e.HasMorePages = True
            If (iPage >= mPages And mPages > 0) Then e.HasMorePages = False
            ithr = rowCounter
            newPage = False
            Exit For
        End If
        PrintDetailSection(e, ithr, dr)
        top0 += detailheight
    Next
    PrintPageFooter(e)
    PrintFormFooter(e)
    tp = top0
    BottomPosition = top0
    leftMargin = left1
End Sub

Private Function GetData() As DataView
    Dim dt As DataTable, daData As OleDbDataAdapter
    Try
        connectionString = northwindconnstr
        Dim Conn As New OleDbConnection(connectionString)
        Conn.Open()
        If (getdataSQL = "") Then getdataSQLstr()
        Dim gets As New OleDbCommand(getdataSQL, Conn)
        gets.CommandType = CommandType.Text
        daData = New OleDbDataAdapter(gets)
        dt = New DataTable("RS")
        daData.Fill(dt)
        If (sortexpression <> "") Then dt.DefaultView.Sort = sortexpression
        If (selectexpression <> "") Then dt.DefaultView.RowFilter = selectexpression
        dt = dt.DefaultView.ToTable
        Conn.Close()
        Conn = Nothing
    Catch ex As System.Exception
        MessageBox.Show("Problem to load the data! (4)" & ex.Message.ToString())
        Return Nothing
    End Try
    Return dt.DefaultView
End Function

Sub getdataSQLstr()
    getdataSQL = "SELECT * FROM [Shippers] "
End Sub

Private Sub xps_Shippers_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
    Call xps_Shippers_Load0(e)
End Sub

Sub xps_Shippers_Load0(ByVal e As System.EventArgs)
    mPages = 0
End Sub

Private Sub printDocument1_BeginPrint(ByVal sender As System.Object, ByVal e As System.Drawing.Printing.PrintEventArgs) Handles
PrintDocument1.BeginPrint
    PrintDocument1_BeginPrint0(getdataSQL)
End Sub

Public Sub printDocument1_BeginPrint0(ByVal sqlstr As String)
    Try

```

```

getdataSQL = sqlstr
If (topMargin = 0) Then topMargin = 50
If (bottomMargin = 0) Then bottomMargin = 30
If (leftMargin = 0) Then leftMargin = 25
Dim PrintAreaHeight, PrintAreaWidth As Int32
PrintDocument1.DefaultPageSettings.Landscape = False
With PrintDocument1.DefaultPageSettings
    PrintAreaHeight = .PaperSize.Height - topMargin - bottomMargin
    PrintAreaWidth = .PaperSize.Width - leftMargin - rightMargin
End With
If PrintDocument1.DefaultPageSettings.Landscape Then
    Dim intTemp As Int32
    intTemp = PrintAreaHeight
    PrintAreaHeight = PrintAreaWidth
    PrintAreaWidth = intTemp
End If
If (PrintAreaHeight > printHeight) Then printHeight = PrintAreaHeight
If (PrintAreaWidth > printWidth) Then printWidth = PrintAreaWidth
Me.setupReport()
Catch ex As Exception
    MessageBox.Show(ex.Message.ToString())
End Try
End Sub
Private Sub printDocument1_EndPrint(ByVal sender As System.Object, ByVal e As System.Drawing.Printing.PrintEventArgs) Handles
PrintDocument1.EndPrint
End Sub
Private Sub btnPreview_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnPreview.Click
Try
    Me.PrintPreviewDialog1.ShowDialog()
Catch ex As Exception
    MessageBox.Show(ex.Message.ToString())
End Try
End Sub
Private Sub btnPrint_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnPrint.Click
Try
    printDialog1.AllowSomePages = True
    Dim result As DialogResult = PrintDialog1.ShowDialog()
    If (result = DialogResult.OK) Then PrintDocument1.Print()
    'Dim PrintController1 As PrintController = New StandardPrintController()
    'PrintDocument1.PrintController = PrintController1
    'PrintDocument1.Print()
Catch ex As Exception
    MessageBox.Show(ex.Message.ToString())
End Try
End Sub
Private Sub btnSetup_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSetup.Click
Try
    printHeight = 0
    printWidth = 0
    pageSetupDialog1.Document = printDocument1
    pageSetupDialog1.ShowDialog()
Catch ex As Exception
    MessageBox.Show(ex.Message.ToString())
End Try
End Sub
Private Sub btnClose_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClose.Click
Me.Dispose()
Me.Close()
End Sub
Dim Text7 As String = ""
Dim Text8 As String = ""
Private Sub Initcalculatedfields()
    Text7 = ""
    Text8 = ""
End Sub

```

```

Private Sub CalSum()
End Sub
Sub setupReport()
    On Error Resume Next
    printheadheight = 66
    pageheaderheight = 30
    detailheight = 27
    pagefooterheight = 38
    formfooterheight = 0
    leftMargin = LeftPosition + 50
    rightMargin = 25
    topMargin = 25
    bottomMargin = 25
    breakvalue = ""
    Initcalculatedfields()
    iPage = 0
    top0 = 0
    nPages = 0
    dv = GetData()
    nrs = 0
    nrs = dv.Table.Rows.Count
    If( nrs > 200) Then nrs = 200 'for testing
    FindnPages()
    endofreport = False
    ithr = 0
End Sub
Sub FindnPages()
    Dim n1 As Integer, n2 As Integer
    nPages = 0
    If (nrs > 0) Then
        n1 = (printHeight - topMargin - printheadheight - pageheaderheight - pagefooterheight) / detailheight
        If (nrs > n1) Then
            n2 = (printHeight - topMargin - pageheaderheight - pagefooterheight) / detailheight
            nPages = (nrs - n1 - 1) / n2 + 2
        Else
            nPages = 1
        End If
    End If
End Sub
End Class

```

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