

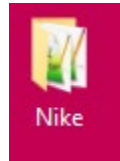
Print Name _____

Signature _____ (pledged)

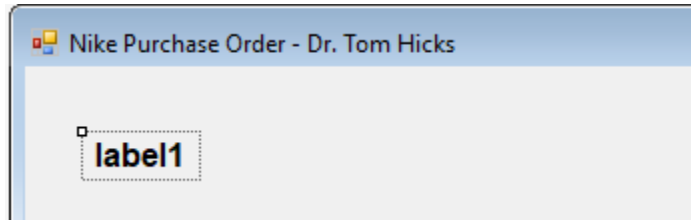
Purchase Order Form In-Class Lab I

In-Class Individual Lab

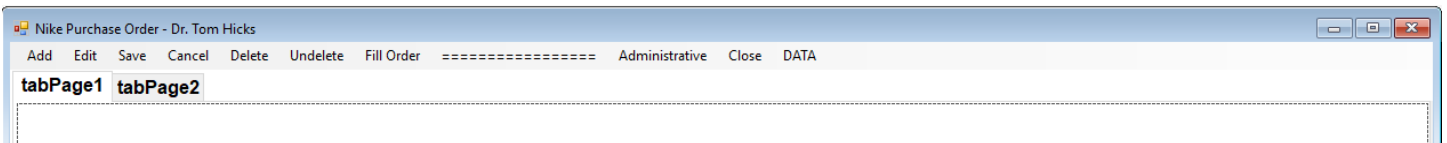
15 Points



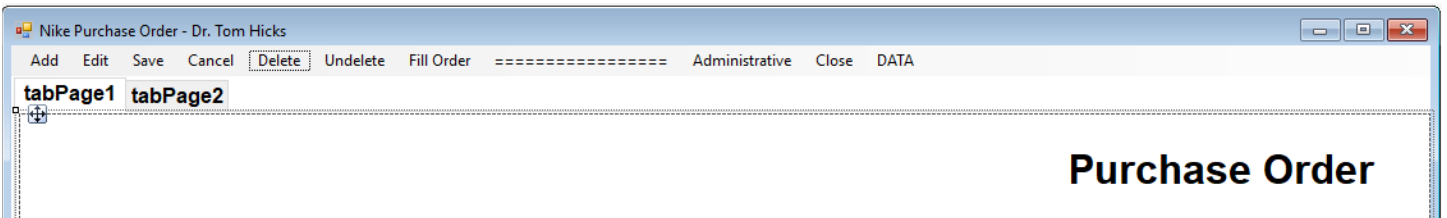
- 1] Create a project on your desktop → call it **Nike**
- 2] Make the default font, for the form, Arial 12 point bold. Drop a label on your form.



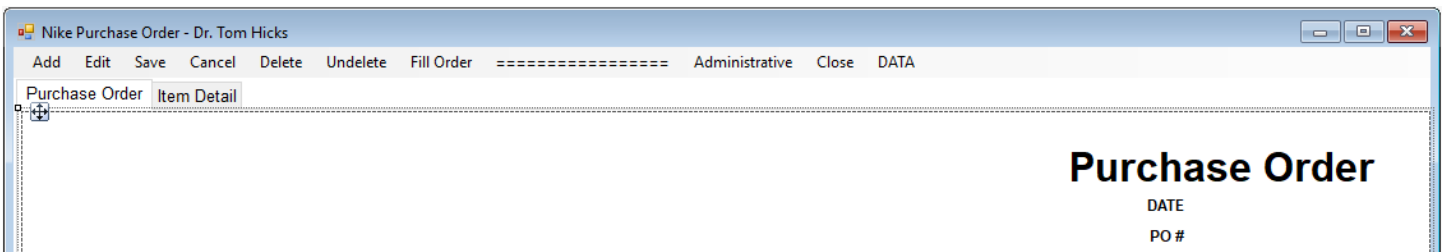
- 3] At the top of the form shall be **Nike Purchase Order – your name**



- 4] Add a Tab Control to your form



- 5] Make the background color WHITE
- 6] Put the label on the first Tab. Transform that label into Purchase Order



- 7] Change the tab labels – make the font 10 pt arial regular. Add labels Date and PO#.


```

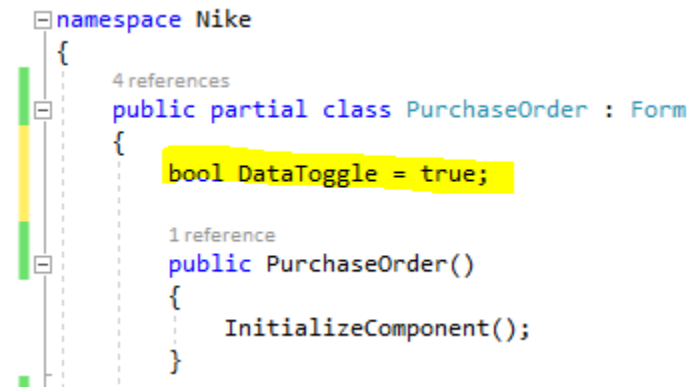
private void FillFormVariables()
{
}

//=====
//==          FillFormBlank          ==//
//=====
//==
//== Purpose:  Fill all of the data entry fields with a realistic blank ==//
//==           (new user type) data record.                             ==//
//==
//== Written By: Dr.Tom Hicks           Operating System: Windows 10 ==//
//==           Date: XX\XX\XXXX           Environment: C# VS 2017 ==//
//=====
private void FillFormBlank()
{
}

//-----
#endregion ----- Dr. Hicks Form Processing -----
//-----

```

- 11] Add the Form Processing region. Include the shell for functions You might want to copy those from one of your LibraryApp forms.



- 12] Declare **DataToggle** at the top of your form.

```

//=====
//==          ProcessDataToggle          ==//
//=====
//==
//== Purpose:  When the DataToggle = true, set it to false and run ==//
//==           FillFormVariables.                                     ==//
//==
//==           When the DataToggle = false, set it to true and run ==//
//==           FillFormBlank.                                       ==//
//==
//== Written By: Dr.Tom Hicks           Operating System: Windows 10 ==//
//==           Date: XX\XX\XXXX           Environment: C# VS 2017 ==//
//=====

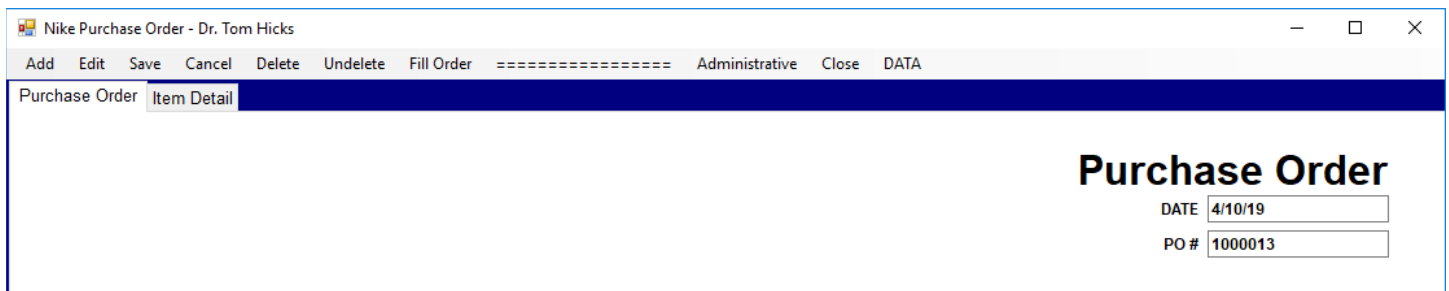
```

```
private void ProcessDataToggle()
{
    if (DataToggle == true)
    {
        FillFormVariables();
        DataToggle = false;
    }
    else
    {
        FillFormBlank();
        DataToggle = true;
    }
}
```

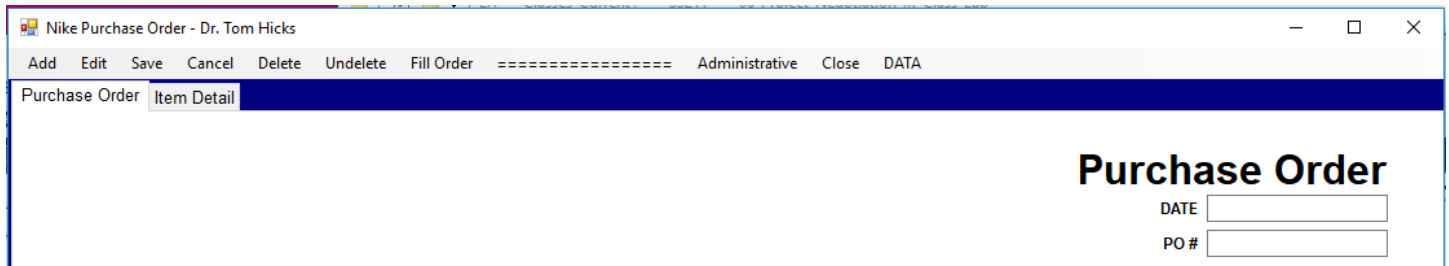
13] Copy function **ProcessDataToggle**, from one of your projects, into the Form Processing Region.

```
private void dATAToolStripMenuItem_Click(object sender, EventArgs e)
{
    ProcessDataToggle();
}
```

14] Create an On-Click Event for your Data button.



15] Add the code to place sample data in **txtDate** and **txtPO**.



16] Add the code to blank out the data in txtDate and txtPO. Verify that your Data Toggle works.

Purchase Order		Status		ComboBox With	
ID	AUTO INT	ID	AUTO INT	0	--- Select Status ---
StatusID	INT	Description	VarChar(50)	1	Under Construction default--new
Date	AUTO Date	Deleted	Bool/Char	2	Complete But Not Sent
PO	AUTO INT			3	Sent

17] Create an Excel spreadsheet called **Purchase-Order-1.xlsx** → Include the data above.

18] Add Supporting Class Company

Company		Purchase Order	
ID	AUTO INT	ID	AUTO INT
Name	VarChar(30)	StatusID	INT
Street1	VarChar(60)	Date	AUTO Date
Street2	VarChar(60)	PO	AUTO INT
City	VarChar(30)	CompanyID	INT
State	Char(2)		
Zip	Char(5)		
Phone	VarChar(13)		
Fax	VarChar(13)		
WebSite	VarChar(80)		
Deleted	Bool/Char		
		Deleted	Bool/Char

- 19] We need a Supporting Class **Company**. Add the Supporting Class to your class diagram.

ComboBox With	
0	--- Select Company ---
1	--- Add New Company ---
2	Nike Dallas
3	Nike Houston
4	* Nike San Antonio *

- 20] Create a combobox in which to choose the Company. This control would eventually be filled with data from the Company Table in the database.

- 21] Add the ComboBox shown above. Call the control **cbSelectCompany**

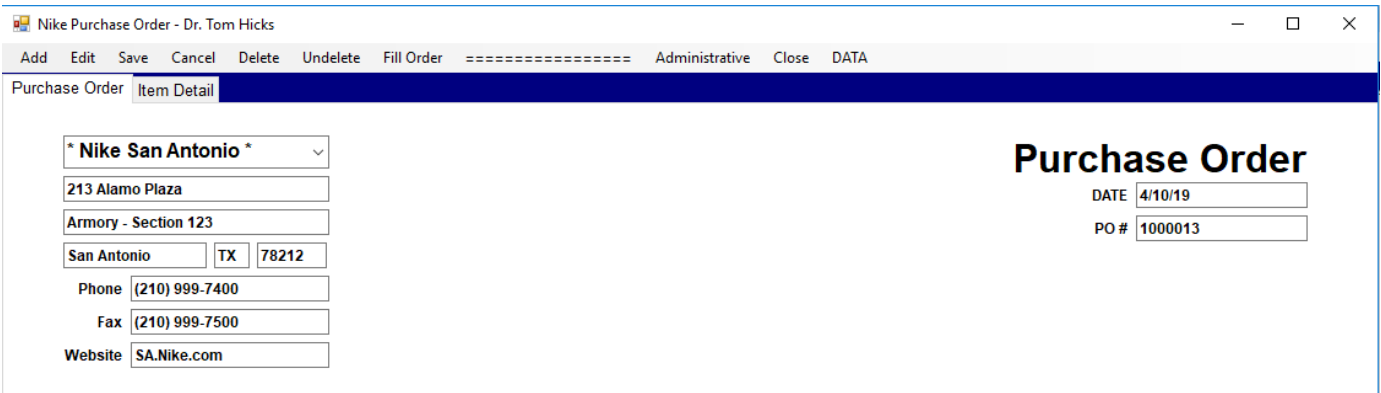
- 22] Add a Navigation panel to the bottom of the form. Select it from any of your previous applications.

- 23] Add **txtStreet1**, **txtStreet2**, **txtCity**, **txtState**, **txtZip**, **lbPhone**, **txtPhone**, **lbFax**, **txtFax**, **lbWebsite**, **txtWebsite** to the form.

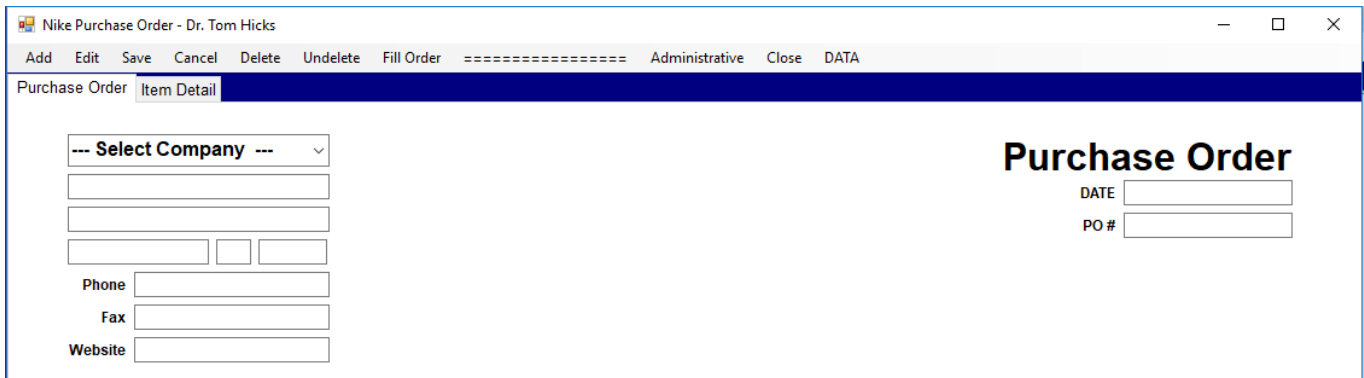
```
private void FillFormBlank()
{
    txtDate.Text = " ";
    txtPO.Text = " ";
    cbSelectCompany.Text = "---- Select Company ----";
    txtStreet1.Text = "";
    txtStreet2.Text = "";
    txtCity.Text = "";
    txtState.Text = "";
    txtZip.Text = "";
    txtFax.Text = "";
    txtPhone.Text = "";
    txtWeb.Text = "";
}
```

```
private void FillFormVariables()
{
    txtDate.Text = "4/10/19";
    txtPO.Text = "100013";
    cbSelectCompany.Text = "* Nike San Antonio *";
    txtStreet1.Text = "213 Alamo Plaza";
    txtStreet2.Text = "Armory - Section 123";
    txtCity.Text = "San Antonio";
    txtState.Text = "TX";
    txtZip.Text = "78212";
    txtFax.Text = "(210) 999-7500";
    txtPhone.Text = "(210) 999-7400";
    txtWeb.Text = "SA.Nike.com";
}
```

- 24] Update functions **FillFormBlank** and **FillFormVariables**. Select your own Company Name and data.



25] Check to make sure your DATA toggle works. Show the form with Data.



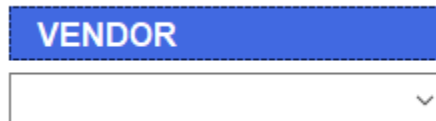
26] Check to make sure your DATA toggle works. Show the form without Data.

27] RECOMMEND → Exit Visual Studio.

27] RECOMMEND → Save a copy of project Nike → call it **Nike.1**

Part II

Restart Visual Studio With project → Nike

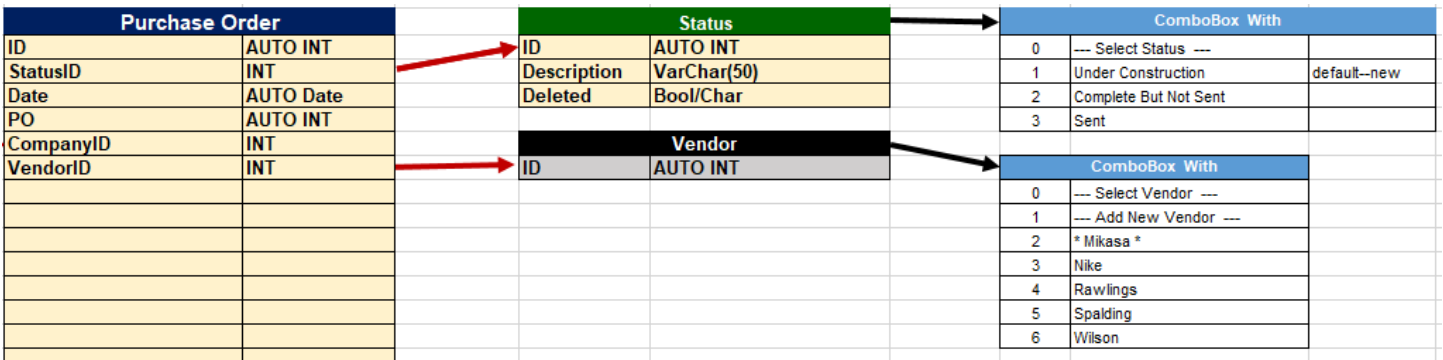


1] Add panel **pnIVendor** and place **lbVendor** inside. This is the Blue Box above.

ComboBox With	
0	--- Select Vendor ---
1	--- Add New Vendor ---
2	* Mikasa *
3	Nike
4	Rawlings
5	Spalding
6	Wilson

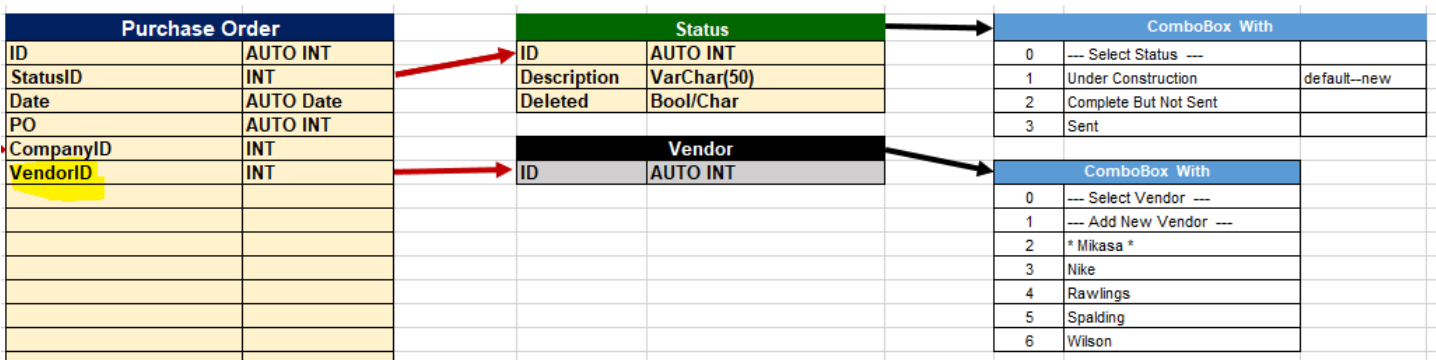
Vendor	
ID	AUTO INT
Name	VarChar(50)
Street1	VarChar(80)
Street2	VarChar(80)
City	VarChar(50)
State	Char(2)
Zip	VarChar(10)
Fax	VarChar(14)
Website	VarChar(200)
ContactFirst	VarChar(20)
ContactLast	VarChar(30)
ContactCell	VarChar(14)
ContactPhone	VarChar(14)
ContactEmail	Bool/Char
Notes	ContactEmail
Deleted	Bool/Char

- 3] Among the information, included in each of our Vendor Records, would be the data above.
- 2] Create a combobox called **cbSelectVendor**. Include the choices above. This control would eventually be filled from the Vendor Table in the database.



- 3] Add the Vendor to the Class Diagram.

- 4] Add **txtVContact**, **txtVStreet1**, **txtVStreet2**, **txtVCity**, **txtVState**, **txtVZip**, **lbVPhone**, **txtVPhone**, **lbVFax**, and **txtVFax** to the form.



- 5] We need a Supporting Class **Company**. Add the Supporting Class to your class diagram.
- 6] Update functions **FillFormBlank** and **FillFormVariables**. Select your own Vendor data.



- 7] Confirm that your DATA toggle works for data.



- 8] Confirm that your DATA toggle works for no data.
- 9] RECOMMEND → Exit Visual Studio.
- 10] RECOMMEND → Save a copy of project Nike → call it **Nike.2**

Part III

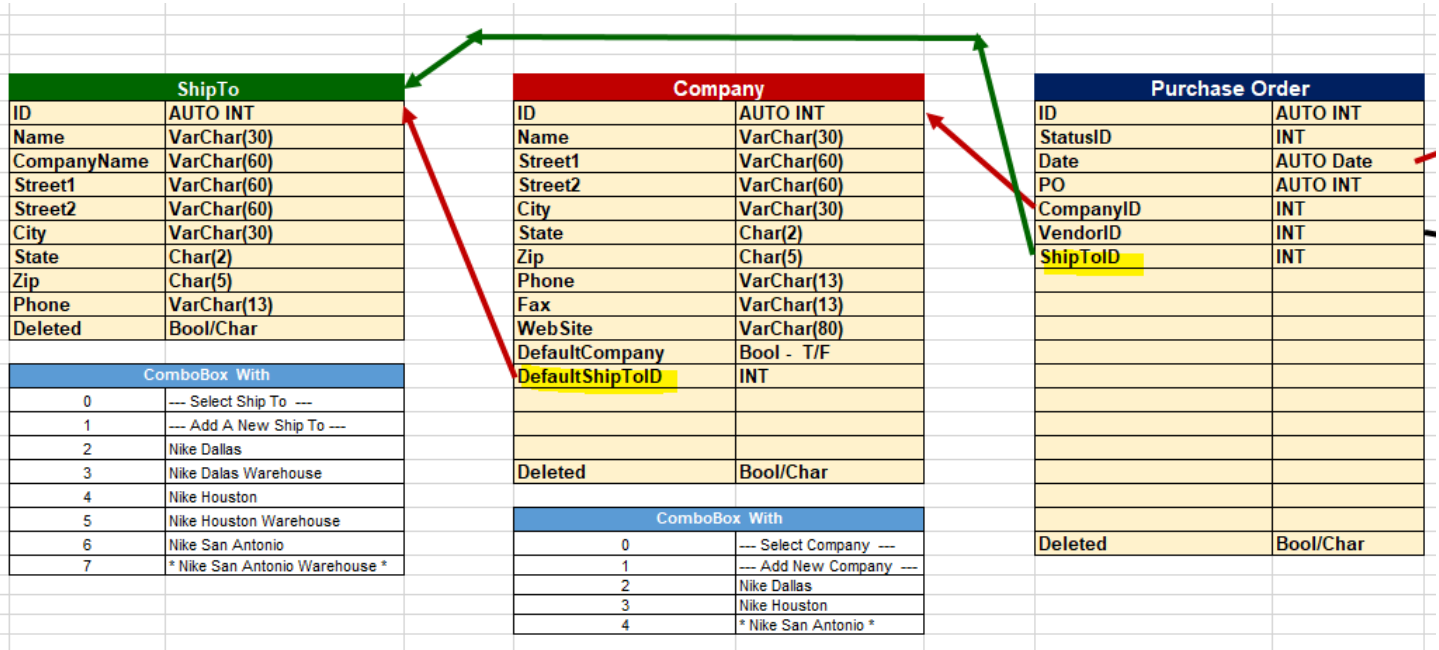
Restart Visual Studio With project → Nike



- 1] Add panel **pnlShipTo** and place **lbShipTo** inside. This is the Blue Box above.

ComboBox With	
0	--- Select Ship To ---
1	--- Add A New Ship To ---
2	Nike Dallas
3	Nike Dalas Warehouse
4	Nike Houston
5	Nike Houston Warehouse
6	Nike San Antonio
7	* Nike San Antonio Warehouse *

- Create a combobox called **cbSelectShipTo**. Include the choices above. This control would eventually be filled from the ShipTo Table in the database.



- Update your class diagram to include Supporting Class

VENDOR

Phone

Fax

SHIP TO

Phone

- Add **txtSTName, txtSTCompanyName, txtSTStreet1, txtSTStreet2, txtSTCity, txtSTState, txtSTZip, lbSTPhone, & txtSTPhone** to the form.

```
private void FillFormVariables()
{
    txtDate.Text = "4/10/19";
    txtPO.Text = "1000013";
    cbSelectCompany.Text = "* Nike San Antonio *";
    txtStreet1.Text = "213 Alamo Plaza";
    txtStreet2.Text = "Armory - Section 123";
    txtCity.Text = "San Antonio";
    txtState.Text = "TX";
    txtZip.Text = "78212";
    txtFax.Text = "(210) 999-7500";
    txtPhone.Text = "(210) 999-7400";
    txtWeb.Text = "SA.Nike.com";
}
```

```

cbSelectVendor.Text = "* Mikasa *";
txtVContact.Text = "David Robinson";
txtVStreet1.Text = "556 Vanguard Way";
txtVStreet2.Text = "Unit D";
txtVCity.Text = "Brea";
txtVState.Text = "CA";
txtVZip.Text = "92821";
txtVFax.Text = "(800) 854-6960";
txtVPhone.Text = "(800) 854-6927";

cbSelectShipTo.Text = "* Nike San Antonio Warehouse *";
txtSTName.Text = "Tony Parker";
txtSTCompanyName.Text = "Nike San Antonio - Warehouse 3";
txtSTStreet1.Text = "222 Alamo Plaza";
txtSTStreet2.Text = "Storage Bld 3";
txtSTCity.Text = "San Antonio";
txtSTState.Text = "TX";
txtSTZip.Text = "78212";
txtSTPhone.Text = "(210) 999-1234";

```

```

}

```

- 5] Update function **FillFormVariables** → to put in sample data of your choice.

```

private void FillFormBlank()
{
    txtDate.Text = " ";
    txtP0.Text = " ";
    cbSelectCompany.Text = "--- Select Company ---";
    txtStreet1.Text = "";
    txtStreet2.Text = "";
    txtCity.Text = "";
    txtState.Text = "";
    txtZip.Text = "";
    txtFax.Text = "";
    txtPhone.Text = "";
    txtWeb.Text = "";

    cbSelectVendor.Text = "--- Select Vendor ---";
    txtVContact.Text = "";
    txtVStreet1.Text = "";
    txtVStreet2.Text = "";
    txtVCity.Text = "";
    txtVState.Text = "";
    txtVZip.Text = "";
    txtVFax.Text = "";
    txtVPhone.Text = "";

    cbSelectShipTo.Text = "--- Select Ship To ---";
    txtSTName.Text = "";
    txtSTCompanyName.Text = "";
    txtSTStreet1.Text = "";
    txtSTStreet2.Text = "";
    txtSTCity.Text = "";
    txtSTState.Text = "";
    txtSTZip.Text = "";
    txtSTPhone.Text = "";
}

```

- 6] Update functions **FillFormBlank**.

The screenshot shows a web browser window titled "Nike Purchase Order - Dr. Tom Hicks". The page has a menu bar with "Add", "Edit", "Save", "Cancel", "Delete", "Undelete", "Fill Order", "Administrative", "Close", and "DATA". Below the menu is a tabbed interface with "Purchase Order" and "Item Detail" tabs. The main content area is divided into several sections:

- Company Information:** A dropdown menu shows "* Nike San Antonio *". Below it are text boxes for "213 Alamo Plaza", "Armory - Section 123", "San Antonio TX 78212", "Phone (210) 999-7400", "Fax (210) 999-7500", and "Website SA.Nike.com".
- Purchase Order Details:** On the right, "DATE" is set to "4/10/19" and "PO #" is "1000013".
- VENDOR:** A dropdown menu shows "* Mikasa *". Below it are text boxes for "David Robinson", "556 Vanguard Way", "Unit D", "Brea CA 92821", "Phone (800) 854-6927", and "Fax (800) 854-6960".
- SHIP TO:** A dropdown menu shows "* Nike San Antonio Warehou". Below it are text boxes for "Tony Parker", "Nike San Antono - Warehouse 3", "222 Alamo Plaza", "Storage Bld 3", "San Antonio TX 78212", and "Phone (210) 999-1234".

At the bottom of the page is a navigation bar with a grid of letters A-Z, a "Select" dropdown, and an "Order By" dropdown. Navigation arrows are also present.

7] Test your application with data.

This screenshot shows the same web application as above, but with the form fields empty for testing without data. The dropdown menus are set to "--- Select Company ---" and "--- Select Vendor ---". The "SHIP TO" dropdown is set to "--- Select Ship To ---". The text boxes for addresses, phone numbers, and other details are also empty. The navigation bar at the bottom remains the same.

8] Test your application with without data.

- 9] RECOMMEND → Exit Visual Studio.
- 10] RECOMMEND → Save a copy of project Nike → call it **Nike.3**

Part IV

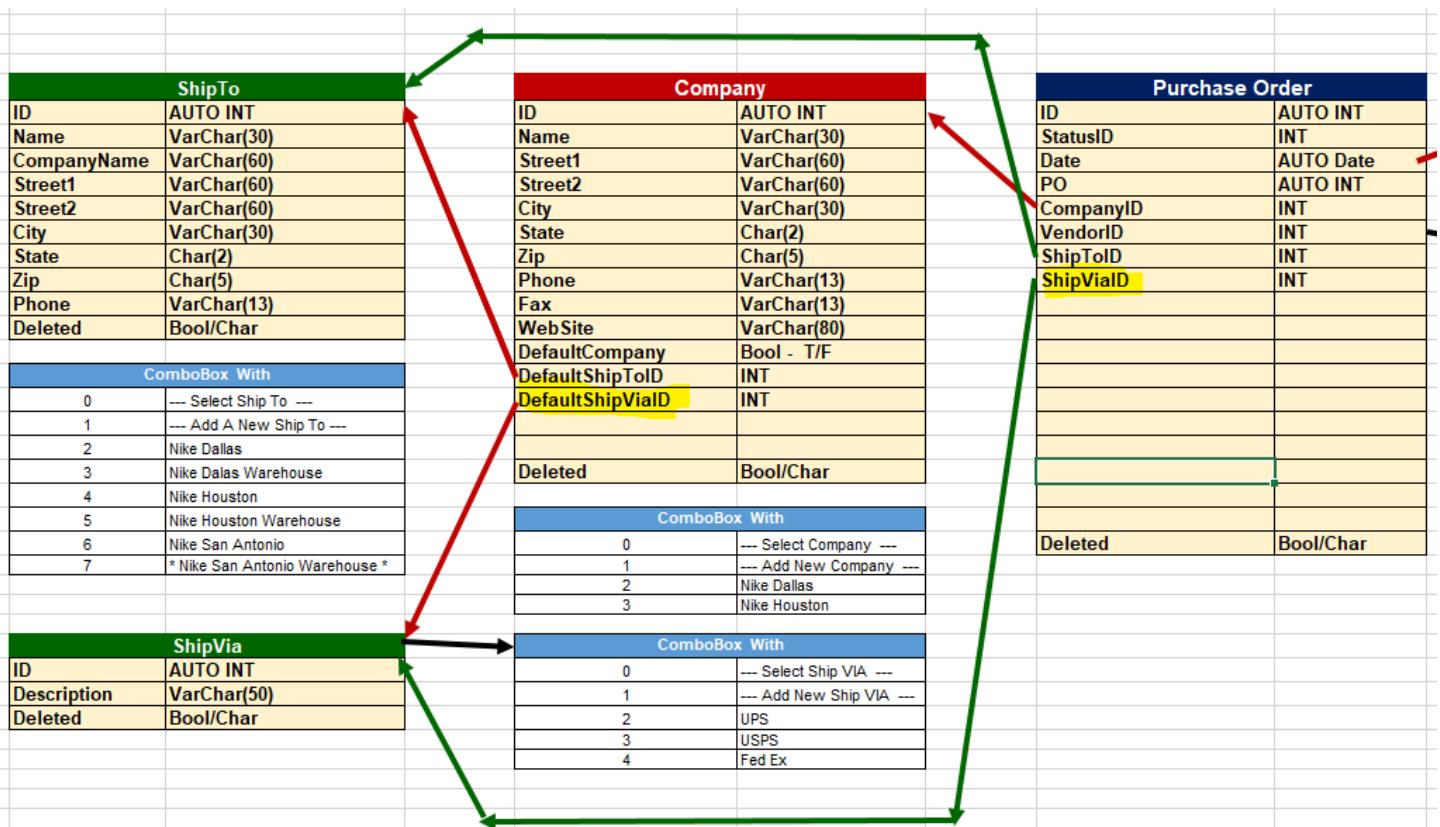
Restart Visual Studio With project → Nike

- 1] Add **pnIRequisitioner**, **pnIShipVia**, **pnIFOB**, & **pnIShippingTerms** to your form.

- 2] The requisitioner is generally the person completing the Purchase Order.
- 3] Add **cbSelectRequisitioner** to your form. It would generally be populated from the Users who have the authority necessary to complete purchase orders; the person who logged in would be set as the default.
- 4] Update functions **FillFormBlank** & **FillFormVariables**. You are welcome to change the data.

ComboBox With	
0	--- Select Ship VIA ---
1	--- Add New Ship VIA ---
2	UPS
3	USPS
4	Fed Ex

- 5] Create a combobox, called **cbSelectShippingVia**, in which to choose the Shipping VIA . This control would eventually be filled with data from the ShipVia Table in the database.
- 6] Update functions **FillFormBlank** and **FillFormVariables** → to put in sample data of your choice.



- 7] Update the Class Diagram.

- 8] F.O.B. → sale is considered complete at the seller's **shipping** dock.

REQUISITIONER

SHIP VIA

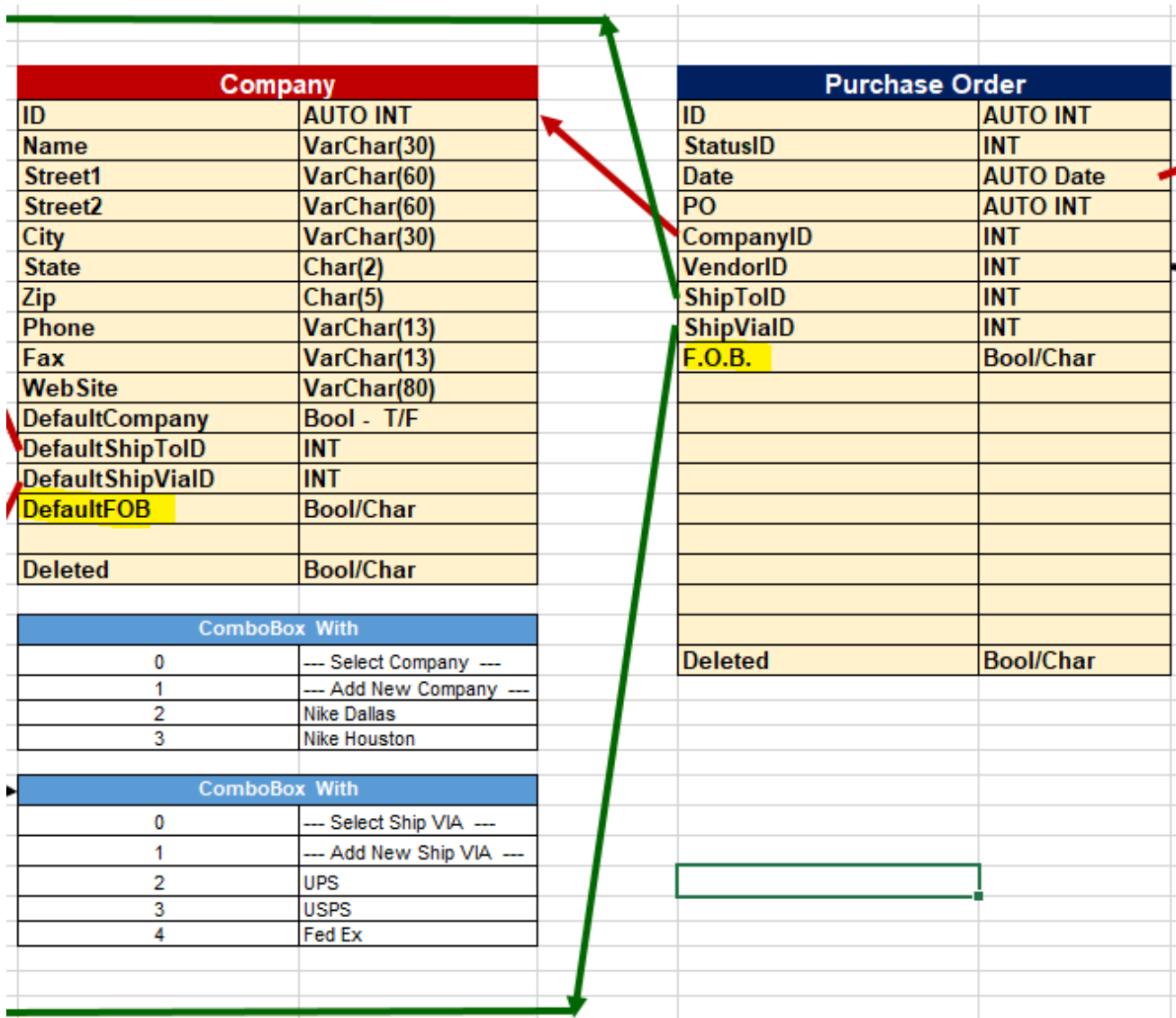
F.O.B.

--- Select F.O.B. ---

True

False

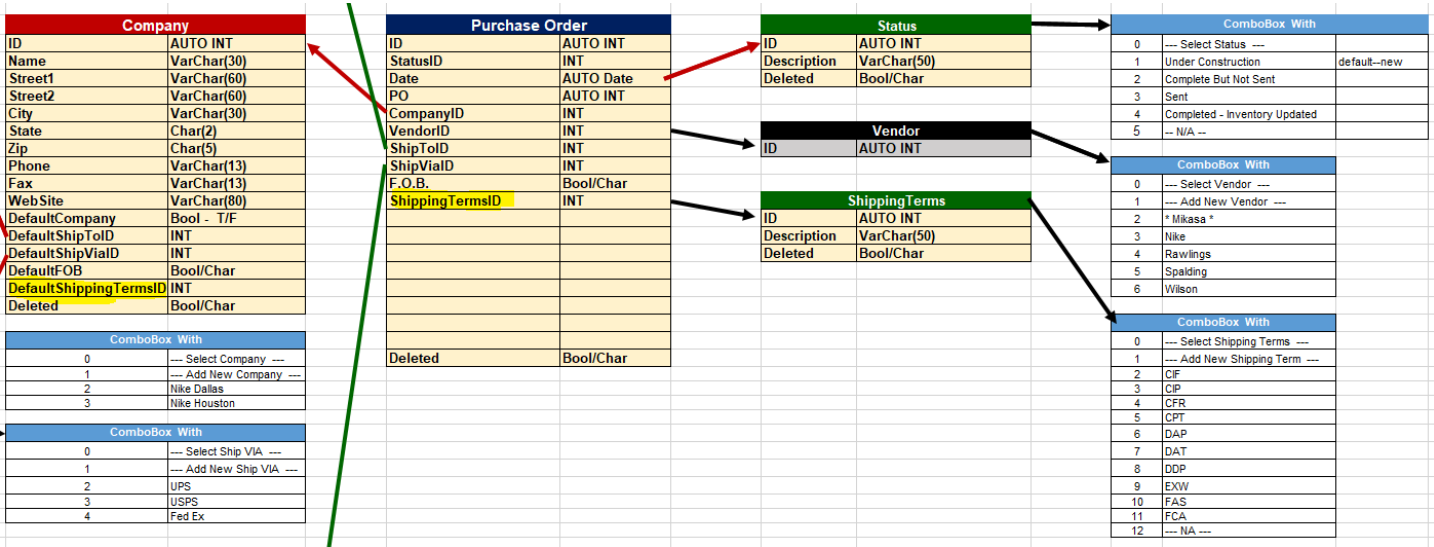
- 9] Create a combobox, called **cbSelectFOB** → provide the choices above.



- 10] Update the Purchase Order class diagram.
- 11] Update functions **FillFormBlank** and **FillFormVariables** → to put in sample data of your choice.

ComboBox With	
0	--- Select Shipping Terms ---
1	--- Add New Shipping Term ---
2	CIF
3	CIP
4	CFR
5	CPT
6	DAP
7	DAT
8	DDP
9	EXW
10	FAS
11	FCA
12	--- NA ---

- 12] Create a compbox, called **cbShippingTerms**, with the data shown above.



- 13] Update the Purchase Order class diagram.
- 14] Update functions **FillFormBlank** and **FillFormVariables** → to put in sample data of your choice.

Nike Purchase Order - Dr. Tom Hicks

Add Edit Save Cancel Delete Undo Undolele Fill Order Administrative Close DATA

Purchase Order Item Detail

*** Nike San Antonio ***

213 Alamo Plaza

Armory - Section 123

San Antonio TX 78212

Phone (210) 999-7400

Fax (210) 999-7500

Website SA.Nike.com

Purchase Order

DATE 4/10/19

PO # 1000013

VENDOR

*** Mikasa ***

David Robinson

556 Vanguard Way

Unit D

Brea CA 92821

Phone (800) 854-6927

Fax (800) 854-6960

SHIP TO

*** Nike San Antonio Warehou**

Tony Parker

Nike San Antonio - Warehouse 3

222 Alamo Plaza

Storage Bld 3

San Antonio TX 78212

Phone (210) 999-1234

REQUISITIONER

Dr. Tom Hicks

SHIP VIA

Fed Ex

F.O.B.

True

SHIPPING TERMS

--- NA ---

↑ ← → ↓
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
↑ ← → ↓

Select
 Order By

- 15] Make sure your form works with Data.

Nike Purchase Order - Dr. Tom Hicks

Add Edit Save Cancel Delete Undelete Fill Order Administrative Close DATA

Purchase Order Item Detail

--- Select Company ---

DATE

PO #

Phone

Fax

Website

VENDOR

--- Select Vendor ---

Phone

Fax

SHIP TO

--- Select Ship To ---

Phone

REQUISITIONER

--- Select Requisitioner ---

SHIP VIA

--- Select Ship Via ---

F.O.B.

--- Select F.O.B. ---

SHIPPING TERMS

--- Select Shipping Terms ---

Select Order By

- 16] Make sure your form works without Data.
- 17] RECOMMEND → Exit Visual Studio.
- 18] RECOMMEND → Save a copy of project Nike → call it **Nike.4**

Place Nike, Nike.1, Nike.2, Nike.3, Nike.4, & **Purchase-Order-1.xlsx** in Your Work In Progress Folder on Mars.

Place Nike, Nike.1, Nike.2, Nike.3, Nike.4, & **Purchase-Order-1.xlsx** on your Personal Computer

Place Nike, Nike.1, Nike.2, Nike.3, Nike.4, & **Purchase-Order-1.xlsx** on your Network Drive or a Flash Drive
