

Print Name _____

Signature _____ (pledged)

Purchase Order Form In-Class Lab III

In-Class Individual Lab

20 Points → Complete Project Has 3 Parts → I, II, & III (Submit as one lab → 60 Points)

Part VIII

Restart Visual Studio With project → Nike

```
private void Add()
{
    txtDate.Text = "4/10/19";
    lbDateDetail.Text = "4/10/19";
    txtPO.Text = "1000013";
    lbPODetail.Text = "1000013";

    cbSelectCompany.Text = "* Nike San Antonio *";
    lbCompanyDetail.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";

    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";

    cbSelectRequisitioner.Text = "Dr. Tom Hicks";
    cbSelectShippingVia.Text = "Fed Ex";
    cbSelectFOB.Text = "True";
    cbShippingTerms.Text = "--- NA ---";
}
```

- 1] Include function **Add** in your **PurchaseOrder.cs**

```
private void addToolStripMenuItem_Click(object sender, EventArgs e)
{
    Add();
}
```

- 2] Create an On-Click event for the MenuStrip Add button.

Nike Purchase Order - Dr. Tom Hicks

Add Edit Save Cancel Delete Undelete 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

--- Select Vendor ---

SHIP TO

* Nike San Antonio Warehou

Tony Parker

Nike San Antono - 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 ---

Comments Or Special Instructions

Sub-Total \$

Tax \$

Shipping \$

Other \$

Total \$

- 3] The individual, completing purchase orders will hit the Add button and most often use the defaults. The next step in the process is to select the Vendor.

```
private void SelectVendorMakasa()
{
    cbSelectVendor.Text = "* Mikasa *";
    lbVendorDetail.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";
}
```

- 4] Include function **SelectVendorMakasa** in your **PurchaseOrder.cs**



- 5] The Vendor selections can be seen above.

```
private void cbSelectVendor_SelectedIndexChanged(object sender, EventArgs e)
{
    if (cbSelectVendor.SelectedIndex == 2)
        SelectVendorMakasa();
}
```

- 6] Create an On-SelectedIndexChanged event for the Vendor ComboBox. Add the code above.

Nike Purchase Order - Dr. Tom Hicks

Add Edit Save Cancel Delete Undelete 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 ---

Comments Or Special Instructions

Sub-Total \$

Tax \$

Shipping \$

Other \$

Total \$

- 7] During the prototype demonstration, as soon as the user selects Mikasa from the ComboBox, we are ready for the user to select the Item Detail tab.

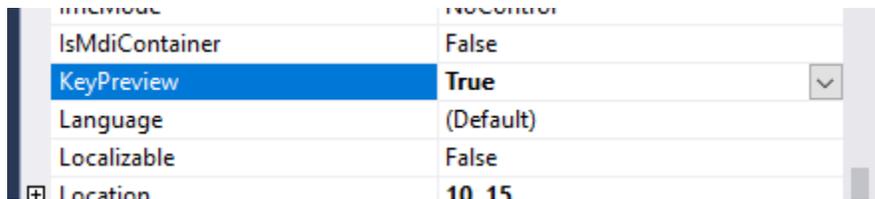
- 8] RECOMMEND → Exit Visual Studio.
 9] RECOMMEND → Save a copy of project Nike → call it **Nike.8**

Part IX

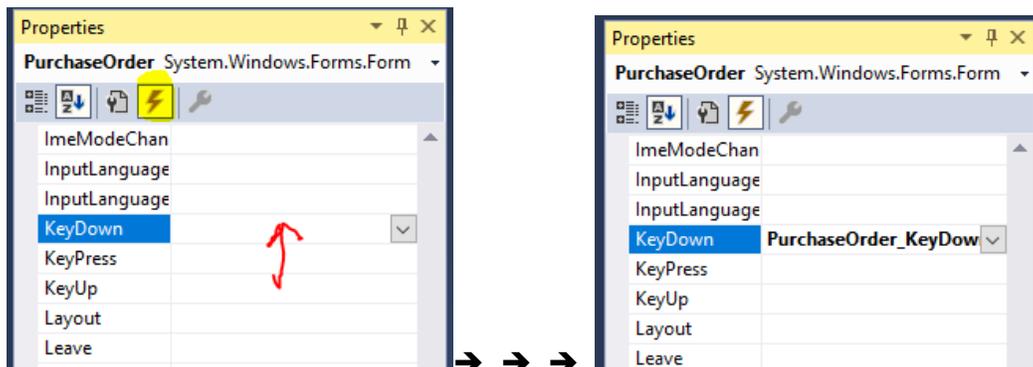
Make The Enter Key Function Like A Tab Key & Do It Quietly

0.1.42	USH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
0.1.43.0	w 01	0.1.43.1.0	0.1.43.1.1	0.1.43.1.2	0.1.43.1.3	0.1.43.1.4	0.1.43.1.5	0.1.43.1.6
0.1.43.1	w 02	0.1.43.3.0	0.1.43.3.1	0.1.43.3.2	0.1.43.3.3	0.1.43.3.4	0.1.43.3.5	0.1.43.3.6
0.1.43.2	w 03	0.1.43.5.0	0.1.43.5.1	0.1.43.5.2	0.1.43.5.3	0.1.43.5.4	0.1.43.5.5	0.1.43.5.6
0.1.43.3	w 04	0.1.43.7.0	0.1.43.7.1	0.1.43.7.2	0.1.43.7.3	0.1.43.7.4	0.1.43.7.5	0.1.43.7.6
0.1.43.4	w 05	0.1.43.9.0	0.1.43.9.1	0.1.43.9.2	0.1.43.9.3	0.1.43.9.4	0.1.43.9.5	0.1.43.9.6
0.1.43.5	w 06	0.1.43.11.0	0.1.43.11.1	0.1.43.11.2	0.1.43.11.3	0.1.43.11.4	0.1.43.11.5	0.1.43.11.6
0.1.43.6	w 07	0.1.43.0.0	0.1.43.0.1	0.1.43.0.2	0.1.43.0.3	0.1.43.0.4	0.1.43.0.5	0.1.43.0.6
0.1.43.7	w 08	0.1.43.15.0	0.1.43.15.1	0.1.43.15.2	0.1.43.15.3	0.1.43.15.4	0.1.43.15.5	0.1.43.15.6
0.1.43.8	w 09	0.1.43.17.0	0.1.43.17.1	0.1.43.17.2	0.1.43.17.3	0.1.43.17.4	0.1.43.17.5	0.1.43.17.6
0.1.43.9	w 10	0.1.43.19.0	0.1.43.19.1	0.1.43.19.2	0.1.43.19.3	0.1.43.19.4	0.1.43.19.5	0.1.43.19.6
0.1.43.10	w 11	0.1.43.21.0	0.1.43.21.1	0.1.43.21.2	0.1.43.21.3	0.1.43.21.4	0.1.43.21.5	0.1.43.21.6
0.1.43.11	w 12	0.1.43.23.0	0.1.43.23.1	0.1.43.23.2	0.1.43.23.3	0.1.43.23.4	0.1.43.23.5	0.1.43.23.6
0.1.43.12	w 13	0.1.43.25.0	0.1.43.25.1	0.1.43.25.2	0.1.43.25.3	0.1.43.25.4	0.1.43.25.5	0.1.43.25.6

- 1] Set your tab order to hit the ItemID, the Description, the Quantity, the Unit Price, the Total on Row 01, then repeat the same for Row 02, Row 03, etc.
 2] _____ {Initial/Pledge} I have completed setting the tab order for my Item Detail tab as specified above. I have done all of the Rows.



- 3] _____ {Initial/Pledge} I have set KeyPreview = true for the Purchase Order Form.



- 4] _____ {Initial/Pledge} I have double clicked on the Key Down to create an event **PurchaseOrder_KeyDown**.

```
private void PurchaseOrder_KeyDown(object sender, KeyEventArgs e)
{
}

private void PurchaseOrder_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyData == Keys.Enter)
        SendKeys.Send("{TAB}");
}
```

- 4] _____ {Initial/Pledge} I have added the code above to this event.

Purchase Order		Item Detail						
Vendor	Vendor	Company	* Nike San Antonio *	DATE	4/10/19	PO #	1000013	
PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item	
Add Row 01	Search	**					Delete	
	Search						Delete	
	Search	1	2	3	4	5	Delete	
	Search						Delete	

- 5] What we have accomplished is the following → Suppose I enter an ItemID, of 1, in Row 3 and hit the Enter Key → the system now tabs over to the Description automatically because that is the tab order. → Suppose I then enter a Description, of 2 and hit the Enter Key → the system now tabs over to the Quantity automatically because that is the tab order. Etc. Repeat this process all the way to the Total.
- 6] Move your focus to the Item ID of Row 3 (sitting on the 1). Hit the return key and it will move to the description without erasing the 1. This will be useful to the user when entering and changing data.
- 7] For our prototype demonstration, we are going to preset a number of fields in an effort to show the user what will happen when the system is working.

```
private void PurchaseOrder_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyData == Keys.Enter)
    {
        SendKeys.Send("{TAB}");
        e.Handled = true;
        e.SuppressKeyPress = true;
    }
}
```

- 8] I hope you noticed that every time you hit the Enter Key, a stupid bell rings. Once you alter the event to include the additional code above, the bell sounds stop.

1.0.0

1.0.5

1.0.6

1.0.7 1.0.8 1.0.9

1.0.13 1.0.10

1.0.15 0.11

1.0.17 1.0.12

1.0.1 Purchase Order

1.0.2 1.0.3

1.0.3 1.0.4

1.0.1.19 DR

1.0.13

1.0.14

1.0.15

1.0.16

1.0.17 1.0.1 1.0.19

1.0.26 1.0.20

1.0.28 0.21

0

1.0.2.19 O

1.0.22

1.0.23

1.0.24

1.0.25

1.0.26

1.0.27 1.0.2 1.0.29

1.0.41 1.0.30

- 9] Of course you should always set the tab order on each and every form in anticipation of what your user is going to do next. Suppose we were to enter a 1 into 1.0.5 and hit either Enter or Tab → it would take us to 1.0.6.

--- Select Company ---

1

2

3 4 5

Phone 6

Fax 7

Website 8

- 10] If I were to continue entering 1-8 I would fill the cells above.

The User Selects The Item Detail Tab → There Should Be Directions Telling Them What To Do? At Least Tool Tip?

Purchase Order Item Detail

Vendor Vendor Company * Nike San Antonio * DATE 4/10/19 PO# 1000013

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
Add Row 01	Push The ADD Button To Add An Item To This Purchase Order						

- 1] _____ {Initial/Pledge} I have set the tool tip for Add Row 01 as illustrated above or I have selected some other way to help the user know what to do?

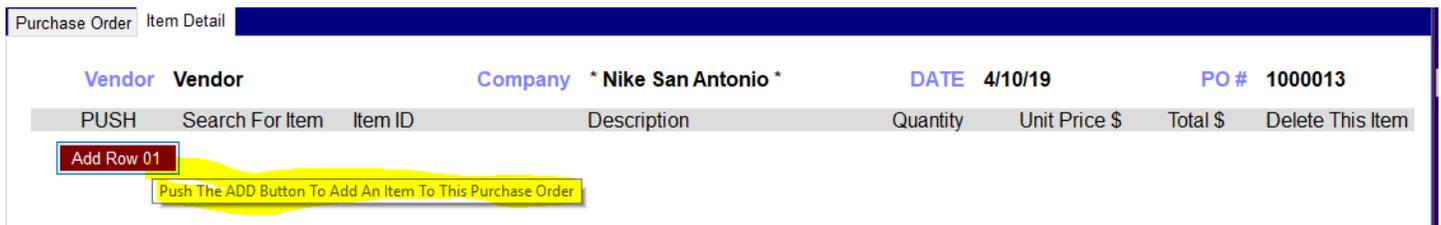
```
public partial class PurchaseOrder : Form
{
    bool DataToggle = true;
    bool PrototypeDemo = true;
}
```

2] _____ {Initial/Pledge} I created PrototypeDemo and assigned it to be true.

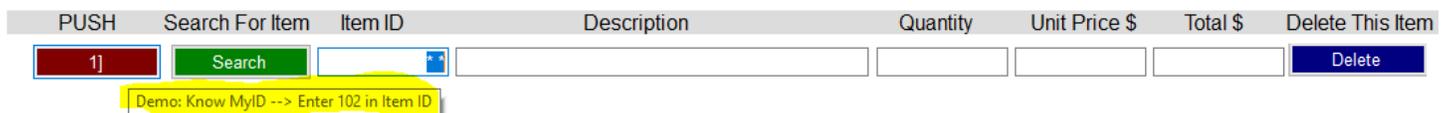
Test Case 1 → The User Know The ID That They Assign To The Part → They Enter It Into txtItemID01

Inventory		Sample Part I
ID	AUTO INT	102
BarCode	CHAR(12)	042100005264
Name	VarChar(50)	Mikasa Leather BasketBall
Description	VarChar(300)	This is an NBA quality leather indoor basketball
VendorID	INT	2
VendorItemID	VarChar(12)	BQ1100
VendorDescription	VarChar(50)	Professional Leather Basketball
LastCost	Double	40.00
UnitPrice	Double	40.00
SellingPrice	Double	59.95
QuantityInStock	INT	3
MinimumQuantityToStock	INT	7
Deleted	Bool/Char	F

1] This is the item we are going to demonstrate in Add Row 1. The User knows that the ID for the item they need is **102**.



2] _____ {Initial/Pledge} When I select the Item Detail tab on a fresh start up, I see button Add Row 01; there is some way for the user to know how to proceed. Remember → No Manual! → No Training!



3] _____ {Initial/Pledge} When I push btnAddRow01

- my Item Detail contains only the information seen above
- my tool tip on btnAddRow01 is like that above
- btnAddRow01.Text is as seen above.
- the cursor is in txtItemID01

```
private void btnRow01_Click(object sender, EventArgs e)
{
    if (PrototypeDemo == true)
        tooltip1.SetToolTip(this.btnAddRow01, "Demo: Know MyID --> Enter 102 in Item ID");

    pnl01.Show();
    btnAddRow01.Text = "1]";
    txtItemID01.Focus();
    btnDone.Show();
}

```

4] You might need help setting the tool tip with code.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
Add Row 02							
Done							

5] _____ {Initial/Pledge} When I place **102** into the Item ID 01 and press tab/enter key

- my Item Detail contains the info above
- my Quantity contains 1
- my Unit Price contains the info above
- my Total contains the info above
- my btnAddRow01.Text contains the info above
- my btnAddRow02 is visible
- btnDone is visible
- my cursor/focus is in txtQuantity01
- I have taken steps to make sure that the code above is executed only when PrototypeDemo = true
- If any other value is entered into txtItemID01, the tab/enter key simply move to an empty Description field.

6] During the prototype demo, it should be mentioned that the user could simply scan the item id label on the product → iff the 102 is encoded properly.

Test Case 2 → The User Knows, Or Can Scan, The Bar Code For The Part → They Enter It Into txtItemID02

Inventory		Sample Part II
ID	AUTO INT	115
BarCode	CHAR(12)	042103335264
Name	VarChar(50)	Mikasa Synthetic Street BasketBall
Description	VarChar(300)	This is a high quality synthetic outdoor basketball
VendorID	INT	2
VendorItemID	VarChar(12)	BWL110
VendorDescription	VarChar(50)	Synthetic Street Basketball
LastCost	Double	20.00
UnitPrice	Double	20.00
SellingPrice	Double	32.99
QuantityInStock	INT	6
MinimumQuantityToStock	INT	20
Deleted	Bool/Char	F

1] This is the item we are going to demonstrate in Add Row 1. The User knows that the BarCode for the item they need is **042103335264**.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
Add Row 02							
Push The ADD Button To Add An Item To This Purchase Order							

2] _____ {Initial/Pledge} My tool tips for btnAddRow02 are like those seen above.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search						Delete
Demo: Know BarCode --> Enter 042103335264 in Item ID							

3] _____ {Initial/Pledge} When I push btnAddRow02

- my Item Detail contains only the information seen above
- my tool tip on btnAddRow02 is like that above
- btnAddRow02.Text is as seen above
- the cursor is in txtItemID02

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall		20.00	20.00	Delete
Add Row 03							

4] _____ {Initial/Pledge} When I place **042103335264** into the Item ID 02 and press tab/enter key

- my Item Detail contains the info above
- my Quantity contains 1
- my Unit Price contains the info above
- my Total contains the info above
- my btnAddRow02.Text contains the info above

- my btnAddRow03 is visible
- btnDone is visible
- my cursor/focus is in txtQuantity02
- I have taken steps to make sure that the code above is executed only when PrototypeDemo = true
- If any other value is entered into txtItemID02, the tab/enter key simply move to an empty Description field.

5] During the prototype demo, it should be mentioned that the user could simply scan the barcode label on the product.

Test Case 3 → The User Knows The Vendor's ItemID For The Part → They Enter It Into txtItemID03

Inventory		Sample Part III
ID	AUTO INT	87
BarCode	CHAR(12)	042888335264
Name	VarChar(50)	Mikasa VolleyBall
Description	VarChar(300)	This is a high quality indoor volleyball
VendorID	INT	2
VendorItemID	VarChar(12)	VIP300-R
VendorDescription	VarChar(50)	NFHS Competition game ball series
LastCost	Double	35.00
UnitPrice	Double	35.00
SellingPrice	Double	59.99
QuantityInStock	INT	5
MinimumQuantityToStock	INT	5
Deleted	Bool/Char	F

1] This is the item we are going to demonstrate in Add Row 1. The User knows that the Vendor's Item ID for the item they need is **VIP300-R**.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
Add Row 03							
Push The ADD Button To Add An Item To This Purchase Order							

2] _____ {Initial/Pledge} My tool tips for btnAddRow03 are like those seen above.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search						Delete
Demo: Know Vendor Item ID --> Enter VIP300-R in Item ID							

3] _____ {Initial/Pledge} When I push btnAddRow03

- my Item Detail contains only the information seen above
- my tool tip on btnAddRow03 is like that above
- btnAddRow03.Text is as seen above
- the cursor is in txtItemID03

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
Add Row 04							

- 4] _____ {Initial/Pledge} When I place **VIP300-R** into the Item ID 03 and press tab/enter key
- my Item Detail contains the info above
 - my Quantity contains 1
 - my Unit Price contains the info above
 - my Total contains the info above
 - my btnAddRow03.Text contains the info above
 - my btnAddRow04 is visible
 - btnDone is visible
 - my cursor/focus is in txtQuantity03
 - I have taken steps to make sure that the code above is executed only when PrototypeDemo = true
 - If any other value is entered into txtItemID03, the tab/enter key simply move to an empty Description field.
- 5] During the prototype demo, it should be mentioned that the user could simply scan the barcode label on the product.

Test Case 4 → The User Knows Their Description For The Part → They Enter It Into txtDescription04

Inventory		Sample Part IV
ID	AUTO INT	112
BarCode	CHAR(12)	042888335777
Name	VarChar(50)	Mikasa Outdoor Basketball
Description	VarChar(300)	This is an introductory youth basketball
VendorID	INT	2
VendorItemID	VarChar(12)	BX1010
VendorDescription	VarChar(50)	Pebble Design Basketball
LastCost	Double	10.00
UnitPrice	Double	10.00
SellingPrice	Double	14.99
QuantityInStock	INT	20
MinimumQuantityToStock	INT	35
Deleted	Bool/Char	F

- 1] This is the item we are going to demonstrate in Add Row 1. The User knows that our Name for the item is **Mikasa Outdoor Basketball**.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
Add Row 04							
Push The ADD Button To Add An Item To This Purchase Order							

- 2] _____ {Initial/Pledge} My tool tips for btnAddRow04 are like those seen above.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search		**				Delete

Demo: Know What We Name This Item --> Enter 'Mikasa Outdoor Basketball' in Description

- 3] _____ {Initial/Pledge} When I push btnAddRow04
- my Item Detail contains only the information seen above
 - my tool tip on btnAddRow04 is like that above
 - btnAddRow04Text is as seen above
 - the cursor is in txtItemID04 → I Know I am going to have to move it!

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball		10.00	10.00	Delete

Add Row 05

- 4] _____ {Initial/Pledge} When I place **Mikasa Outdoor Basketball** into Description 04 and press tab/enter key
- my Item Detail contains the info above
 - my Quantity contains 1
 - my Unit Price contains the info above
 - my Total contains the info above
 - my btnAddRow04.Text contains the info above
 - my btnAddRow05 is visible
 - btnDone is visible
 - my cursor/focus is in txtQuantity04
 - I have taken steps to make sure that the code above is executed only when PrototypeDemo = true
 - If any other value is entered into txtDescription04, the tab/enter key simply move to an empty Quantity field.
- 5] You could certainly describe creating an asynchronous control that will fill in the information once you have entered enough letters to uniquely identify the part.

Test Case 5 → The User Knows The Vendor's Description For The Part → They Enter It Into txtDescription05

Inventory		Sample Part I
ID	AUTO INT	311
BarCode	CHAR(12)	053100444269
Name	VarChar(50)	Mikasa Football
Description	VarChar(300)	High quality football
VendorID	INT	2
VendorItemID	VarChar(12)	F6000
VendorDescription	VarChar(50)	Football Official Size
LastCost	Double	16.00
UnitPrice	Double	16.00
SellingPrice	Double	29.99
QuantityInStock	INT	5
MinimumQuantityToStock	INT	5
Deleted	Bool/Char	F

1] This is the item we are going to demonstrate in Add Row 1. The User knows that our Name for the item is **Football Official Size**.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball		10.00	10.00	Delete
Add Row 05							
Push The ADD Button To Add An Item To This Purchase Order							

2] _____ {Initial/Pledge} My tool tips for btnAddRow05 are like those seen above.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball	1	10.00	10.00	Delete
5]	Search		**				Delete
Demo: Know Vendor's Name For This Item --> Enter 'Football Official Size' in Description							

3] _____ {Initial/Pledge} When I push btnAddRow05

- my Item Detail contains only the information seen above
- my tool tip on btnAddRow05 is like that above
- btnAddRow05 Text is as seen above
- the cursor is in txtItemID05 → I Know I am going to have to move it!

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball	1	10.00	10.00	Delete
5]	Search	F6000	Football Official Size		16.00	16.00	Delete
Add Row 06							

- 4] _____ {Initial/Pledge} When I place **Football Official Size** into Description 05 and press tab/enter key
- my Item Detail contains the info above
 - my Quantity contains 1
 - my Unit Price contains the info above
 - my Total contains the info above
 - my btnAddRow05.Text contains the info above
 - my btnAddRow06 is visible
 - btnDone is visible
 - my cursor/focus is in txtQuantity05
 - I have taken steps to make sure that the code above is executed only when PrototypeDemo = true
 - If any other value is entered into txtDescription05, the tab/enter key simply move to an empty Quantity field.
- 5] You could certainly describe creating an asynchronous control that will fill in the information once you have entered enough letters to uniquely identify the part.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search						Delete

Launch Inventory Search Form With Items From Vendor: Makasa

- 1] _____ {Initial/Pledge} All of my Search buttons have the tool tips shown above,

Test Case 6 → The User Chooses To Search

Inventory		Sample Part VI
ID	AUTO INT	311
BarCode	CHAR(12)	077770444269
Name	VarChar(50)	Mikasa Rugby Ball
Description	VarChar(300)	Red & Black Rugby Ball Official Size
VendorID	INT	2
VendorItemID	VarChar(12)	RNB7
VendorDescription	VarChar(50)	Rugby Ball Official Size
LastCost	Double	22.50
UnitPrice	Double	22.50
SellingPrice	Double	39.99
QuantityInStock	INT	3
MinimumQuantityToStock	INT	2
Deleted	Bool/Char	F

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball	1	10.00	10.00	Delete
5]	Search	F6000	Football Official Size	1	16.00	16.00	Delete
6]	* Search *						Delete

Demo: Going to Search for items provided by Vendor: Makasa ==> Push The Search Button

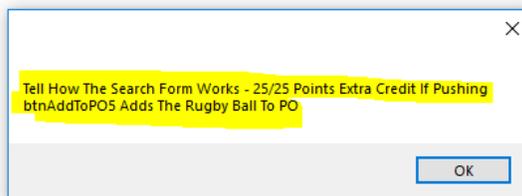
1] _____ {Initial/Pledge} When I push btnAddRow06

- my Item Detail contains only the information seen above
- my tool tip on btnAddRow06 is like that above
- btnAddRow06 Text is as seen above
- the cursor is in txtItemID06 → I Know I am going to have to move it!

```
private void btnSearch06_Click(object sender, EventArgs e)
{
    if (PrototypeDemo == true)
    {
        MessageBox.Show("Tell How The Search Form Works - 25/25 Points Extra Credit If Pushing btnAddToPO5 Adds The Rugby Ball To PO");
        Search();
    }
}
```

2] Add the code above to btnSearch06.

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball	1	10.00	10.00	Delete
5]	Search	F6000	Football Official Size	1	16.00	16.00	Delete
6]	* Search *						Delete



3] _____ {Initial/Pledge} When I push button btnSearch06, while doing the Prototype Demo, I see the MessageBox above,

The screenshot shows a software application window titled "Nike Purchase Order - Dr. Tom Hicks". The main area displays a table of items for a purchase order. The table has the following data:

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball	1	10.00	10.00	Delete
5]	Search	F6000	Football Official Size	1	16.00	16.00	Delete
6]	* Search *						Delete

On the right side, there is a search form for "Vendor: Makasa" with "Vendor ID: 2". It lists several Mikasa items with "Add To PO" buttons:

- Mikasa Football
- Mikasa Leather BasketBall
- Mikasa Outdoor Basketball
- Mikasa Rugby Ball
- Mikasa Synthetic Street BasketBall
- Mikasa VolleyBall

At the bottom of the search form, there are filters for "All Sports" and "All Age Levels". A green button says "Push --> To Add All Checked Items To PO".

- 4] _____ {Initial/Pledge} I can explain how to select just one item from the Search Form.
- 5] _____ {Initial/Pledge} I can explain how to select multiple checked items from the Search Form..
- 6] _____ {Initial/Pledge} I can demonstrate setting the filter to "Basketball" & I can explain the benefits of having filters on this search form

Extra Credit 25/25 Points

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball	1	10.00	10.00	Delete
5]	Search	F6000	Football Official Size	1	16.00	16.00	Delete
6]	* Search *	RNB7	Mikasa Rugby Ball	1	22.50	22.50	Delete

- 1] 25/25 Points Extra Credit _____ {Initial/Pledge} If I push btnAddToPO5, it automatically places the data above in the purchase order.

Manual Data Entry

PUSH	Search For Item	Item ID	Description	Quantity	Unit Price \$	Total \$	Delete This Item
1]	Search	BQ1100	Professional Leather BasketBall	1	40.00	40.00	Delete
2]	Search	BWL110	Synthetic Street BasketBall	1	20.00	20.00	Delete
3]	Search	VIP300-R	NFHS Competition Game Ball Series	1	35.00	35.00	Delete
4]	Search	BX1010	Pebble Design Basketball	1	10.00	10.00	Delete
5]	Search	F6000	Football Official Size	1	16.00	16.00	Delete
6]	* Search *	RNB7	Mikasa Rugby Ball	1	22.50	22.50	Delete

1] _____ {Initial/Pledge} I can manually enter the data above into my form.

Done Button

Nike Purchase Order - Dr. Tom Hicks

Menu: Add Edit Save Cancel Delete Undelete Fill Order Administrative Close DATA

Navigation: 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 ---

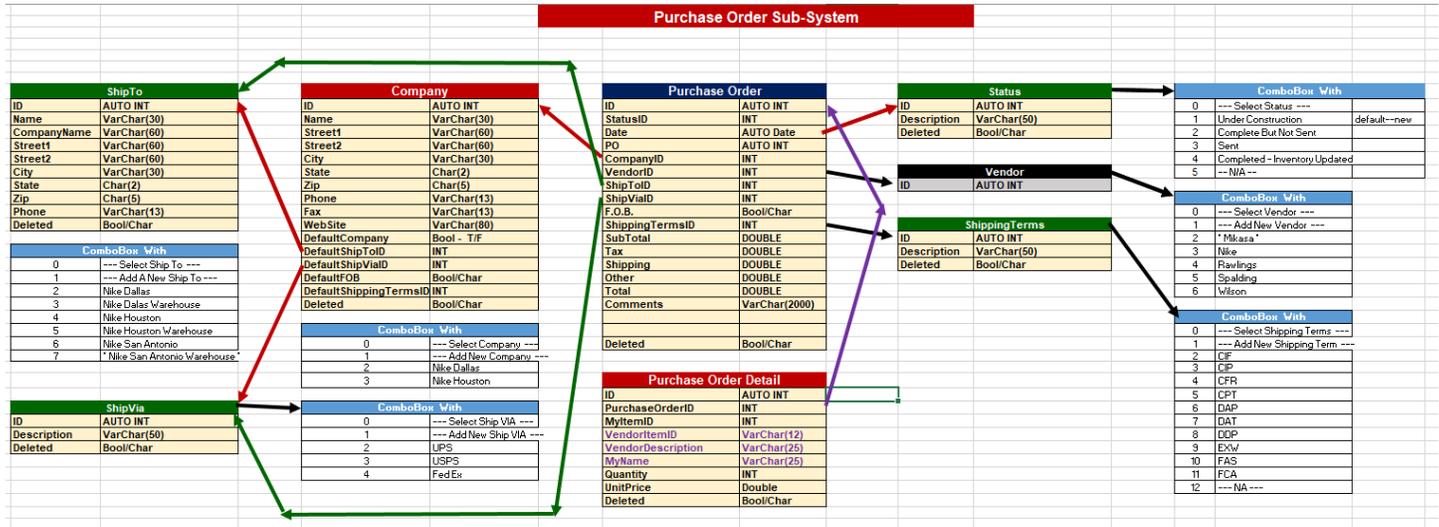
Comments Or Special Instructions
 Leave Package On The Back Porch

Sub-Total \$ 143.50
 Tax \$ 14.35
 Shipping \$ 7.57
 Other \$ 0.00
Total \$ 165.42

Navigation: Select [A-Z] Order By []

- 1] Assume that the Tax Rate for Texas is 10%. Let us suppose that the Prototype Demo has the 6 items shown above. btnDone is to set all of the items highlighted in yellow above.

Class Diagram



- 1] Update & Save **Purchase-Order-2.xlsx**
- 2] _____ {Initial/Pledge} My class diagram matches that shown above.

Status

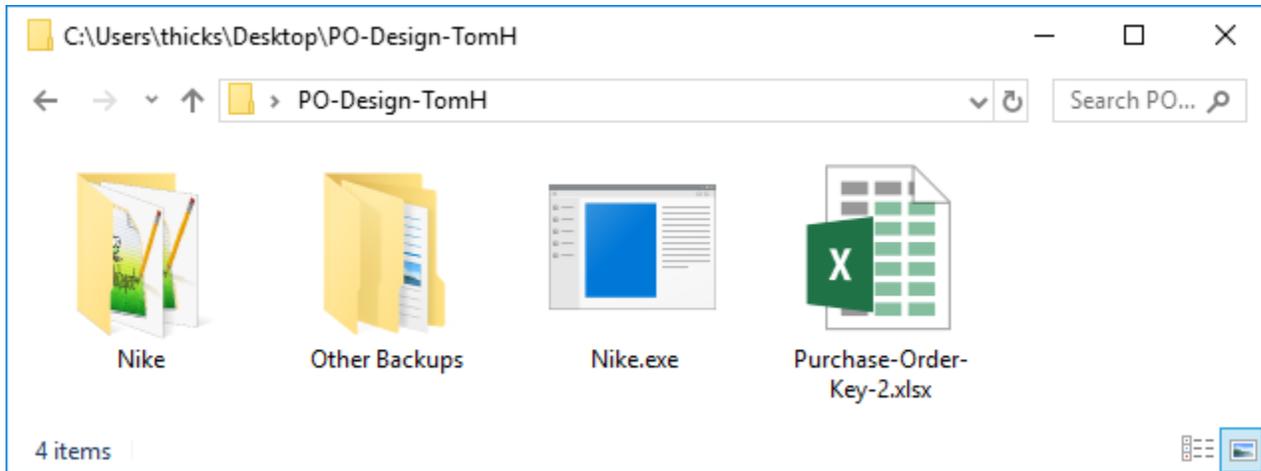
- 1] We need a combobox on the first tab → to represent the Status of the purchase order. Place it on the first tab. You decide on an appropriate location.
- 2] _____ {Initial/Pledge} My btnDone changes the status to **“Complete But Not Sent”**

Filters & Order By

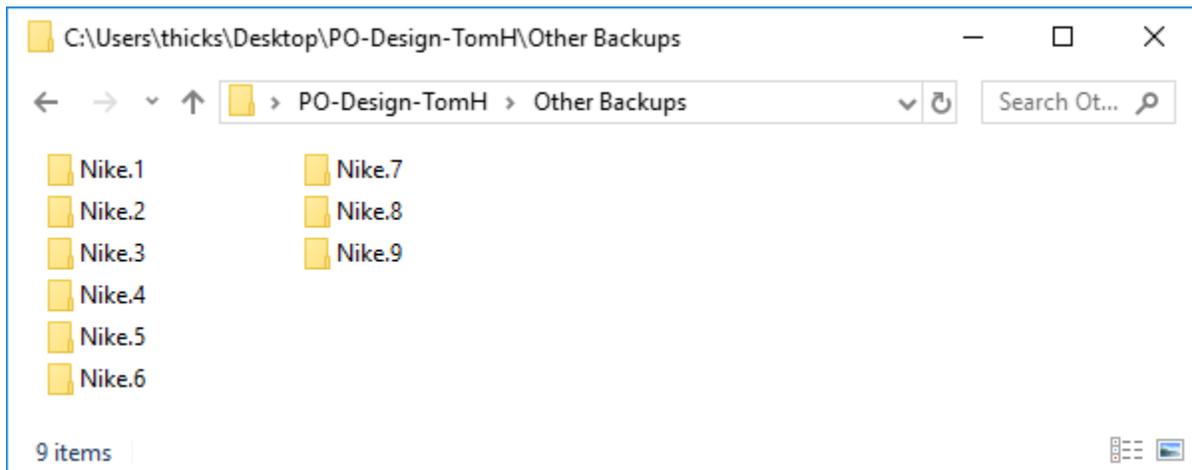
- 1] _____ {Initial/Pledge} I have configured my cbOrderBy with a appropriate collection of choices. Select a default choice.
- 2] The PurchaseOrder class has a number of items that could, and should, be added to the navigation panel.
- 3] _____ {Initial/Pledge} After examining the enclosed PurchaseOrder class, I have added all of the reasonable filters to the Purchase Order form.
- 4] RECOMMEND → Exit Visual Studio.
- 5] RECOMMEND → Save a copy of project Nike → call it **Nike.9**

Backup

- 1] Create a folder called **PO-Design-TomH** ← use your first name and initial.



- 2] Inside folder **PO-Design-TomH** → Place a copy of the executable → that when clicked → executes a copy of your most recent project. I will use it for testing.
- 3] Inside folder **PO-Design-TomH** → Place a copy of folder **Nike** → which contains the fully completed application.
- 4] Inside folder **PO-Design-TomH** → Place a copy of **Purchase-Order-2.xls** → which contains the class diagram.



- 5] Inside folder **PO-Design-TomH** → Creating the backup copies along the way was optional. If you have created any, place them in a folder called **Other Backups**.
- 6] Place **PO-Design-TomH** in your personal “To Be Graded Folder” on Mars. Double click on the executable to make sure it works
- 7] Place **PO-Design-TomH** in on your flash drive and on your personal computer.