

FIT1013 Digital Futures: IT for Business

Week 8: Forms and Dialogue Boxes

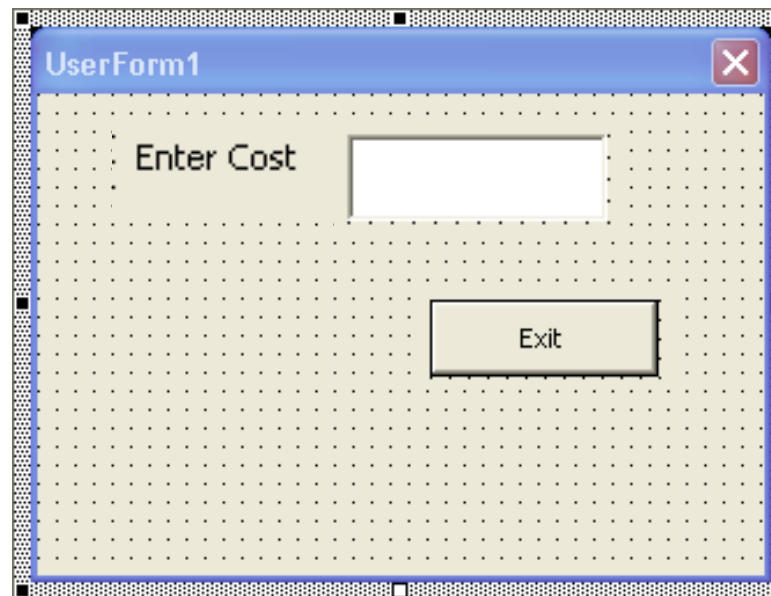
On completion of your study this week, you should aim to:

- Create a user form
- Add controls to a form
- Explain the use of text box, label, and command button controls
- Set the tab order for controls
- Provide keyboard access to controls using accelerator keys
- Add new and existing forms to a project
- Display and remove a user form
- Code a user form



Creating Custom Dialog Boxes (User forms)

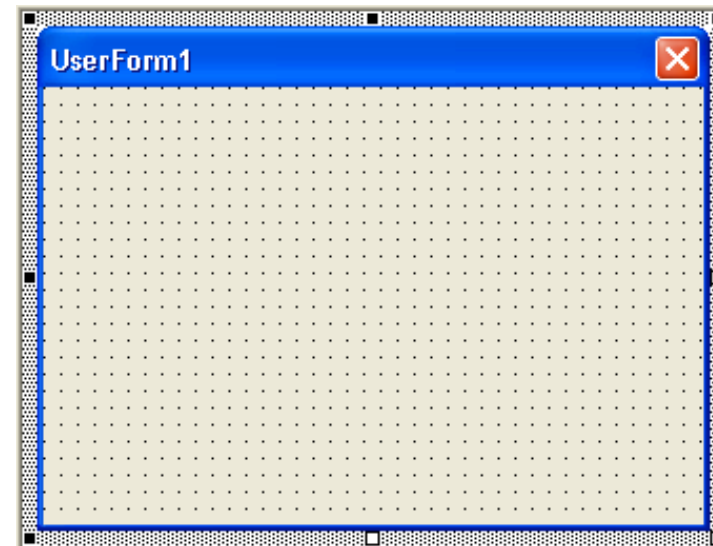
- You first add a **form** - the foundation of a dialog box, to the project, and then you add objects, called controls, to the form
- This form and its controls are what constitute a user form or dialog box



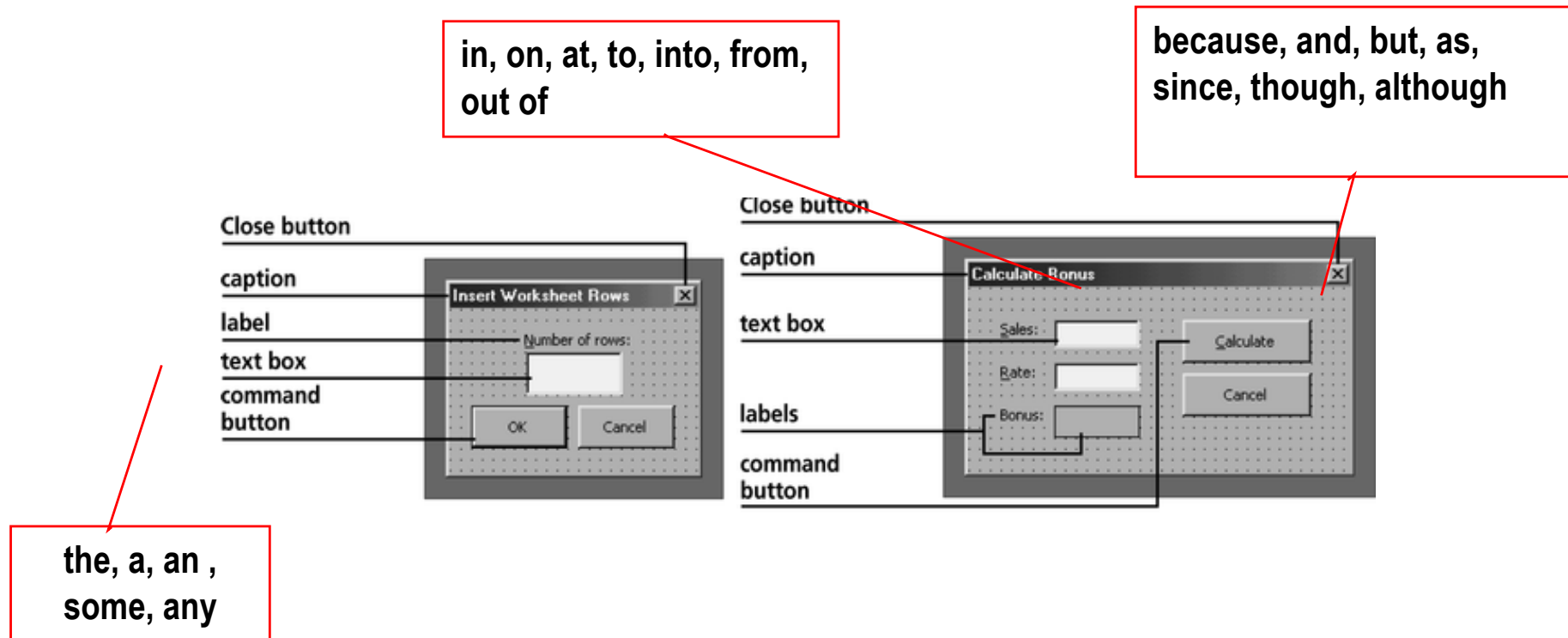
Design Standards for Dialog Boxes

Before creating a custom dialog box, we will look at the Windows standards for dialog boxes:

- When positioning the controls, be sure to maintain a consistent margin from the edge of the form; a margin of two or three dots is recommended
- Because a dialog box is a window, it has a title bar and borders



Design Standards for Dialog Boxes

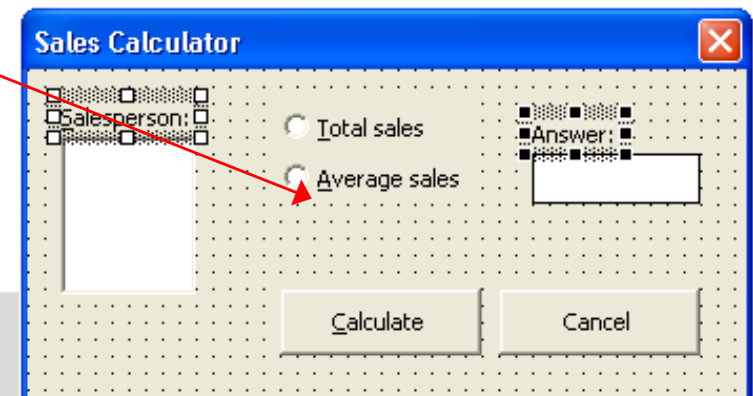
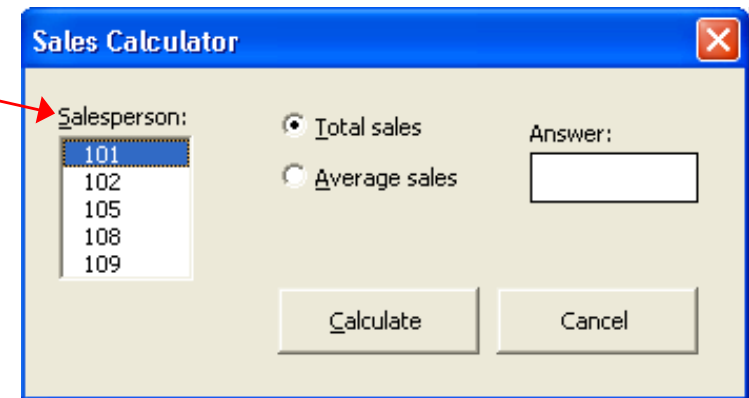
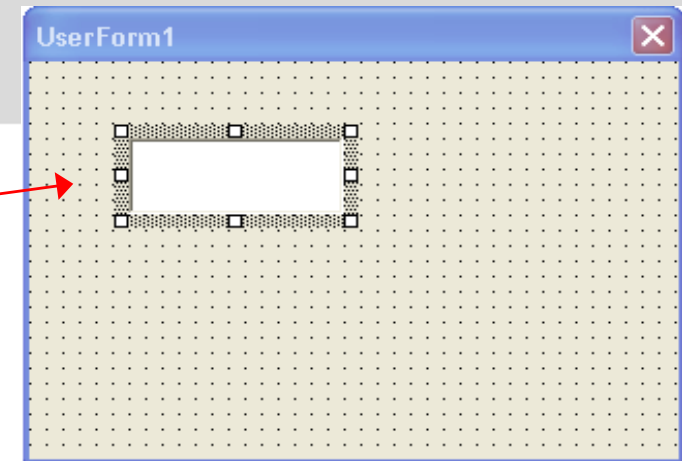


Caption:

- The dialog box's caption should be entered using **book title capitalisation**, which means you capitalise the first letter in each word, except for articles, conjunctions, and prepositions that do not occur at either the beginning or the end of the caption
- Examples: "a", "an", "the" and "and".

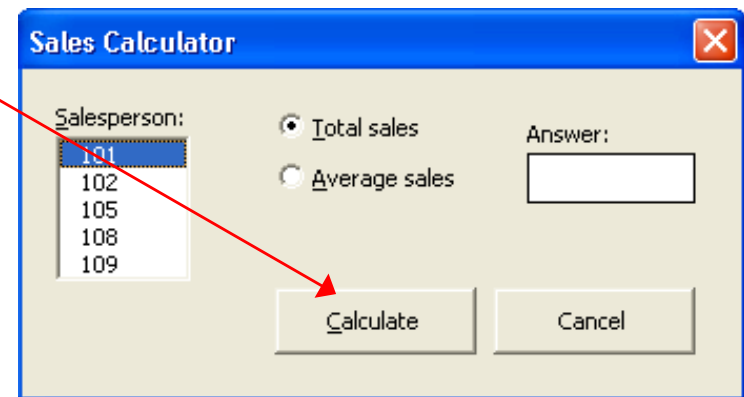
Dialog Box Controls

- You use a **text box control** to provide an area in the dialog box where data can be entered, edited, and displayed
- You use a **label control** to display text that you don't want the user to modify, such as text that identifies another control in the dialog box or text that represents the result of a calculation
- If a label control is used as an identifier for another control, its caption should be **no more than three words** in length and entered using **sentence capitalisation**, which means that you capitalise only the first letter in the first word and in any words that are customarily capitalised.



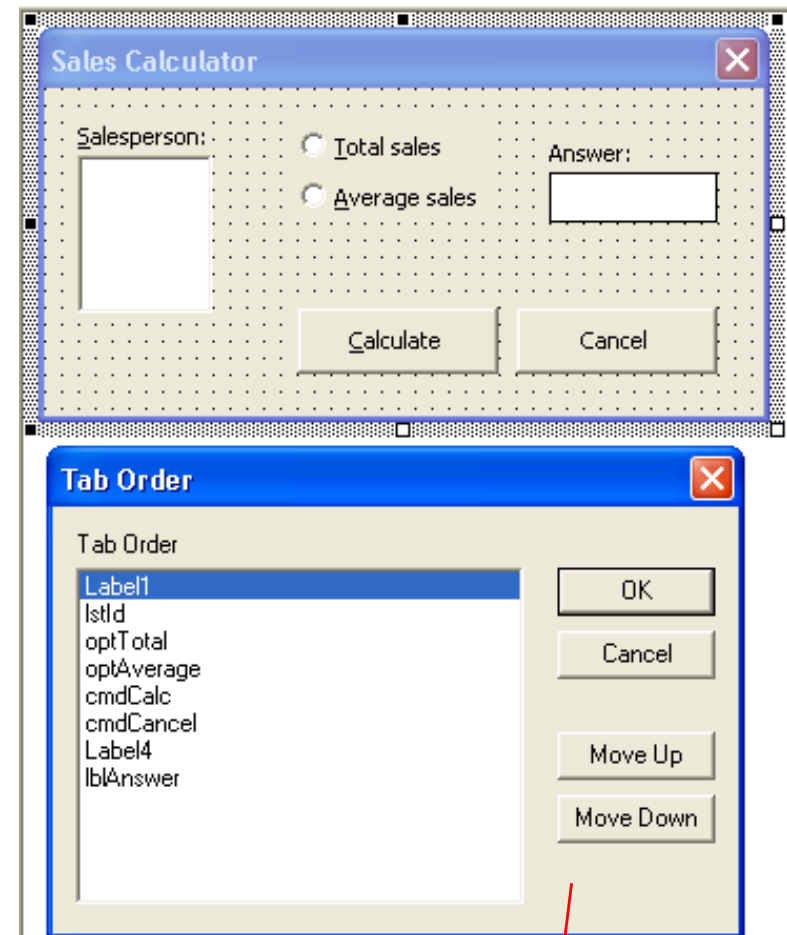
Dialog Box Controls

- You use a **command button** control to process one or more instructions when the user clicks the button
- A command button's caption should be no more than three words in length and entered using book title capitalisation
- Command buttons should be positioned either at the **bottom** or on the **right side** of the dialog box



Setting the Tab Order

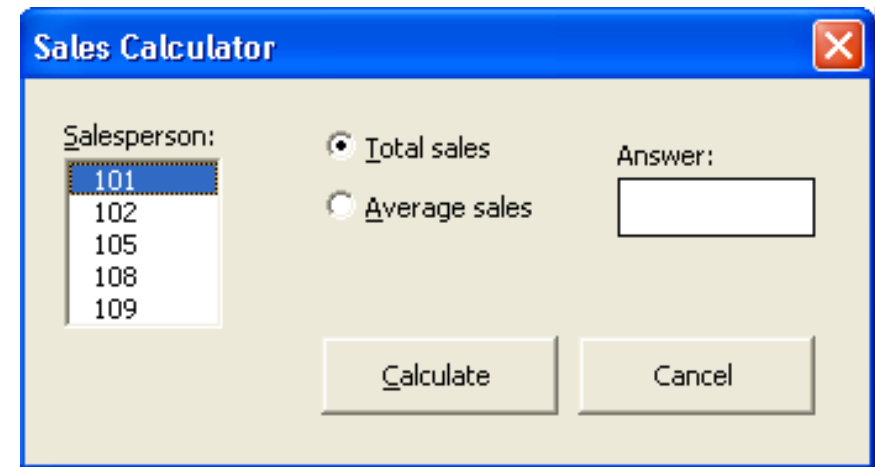
- An **essential control** is one that can receive input from the user
 - E.g. text box, option button.
- The **tab order** is the order in which the focus moves from one **essential control** in a dialog box to the next **essential control** as you press the Tab key
- The **first** essential control in the tab order is typically located in the upper-left area of the dialog box



Right click on form to view
tab order

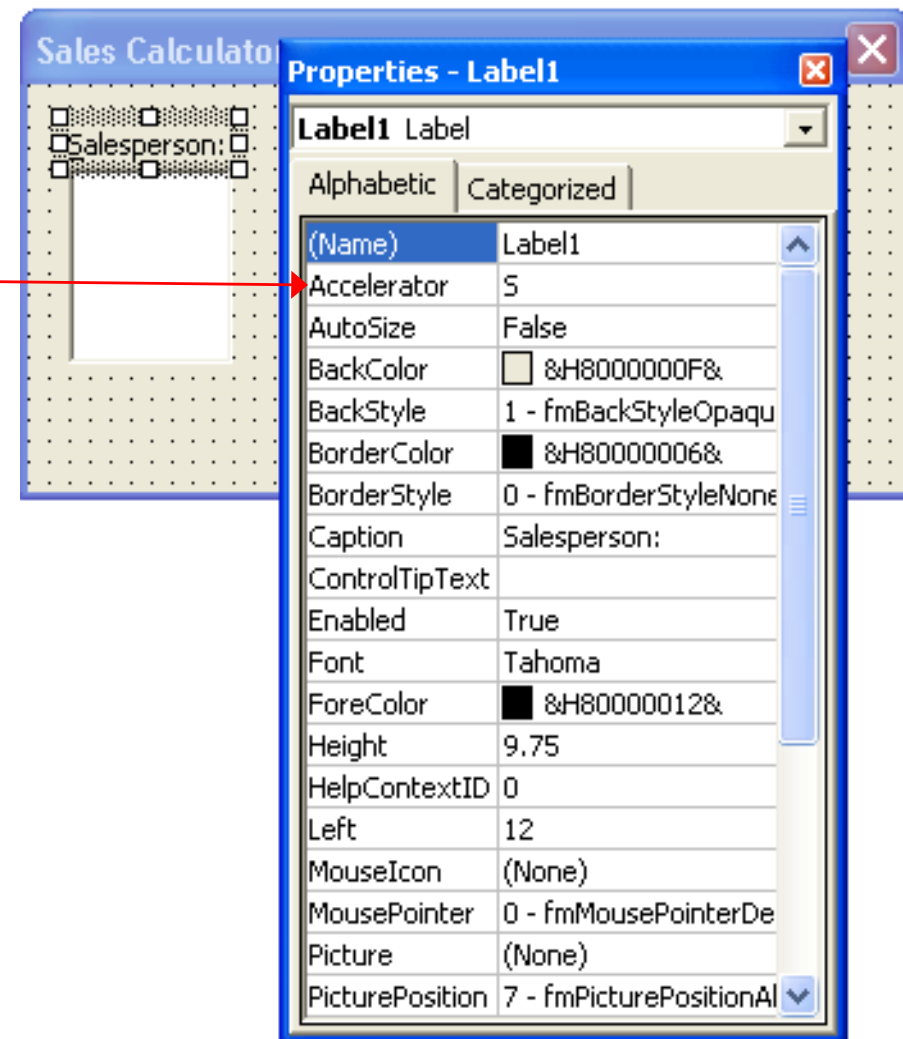
Providing Keyboard Access to a Control

- Providing keyboard access to the controls in a dialog box allows the user to work with the dialog box using the keyboard rather than the mouse
- The user may need to use the keyboard if his or her mouse becomes inoperative
- The user simply may prefer to use the keyboard if he or she is a fast typist



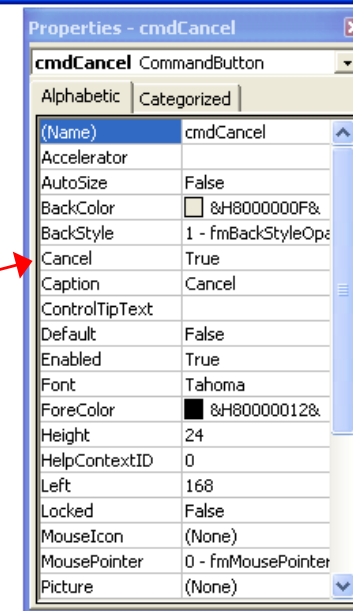
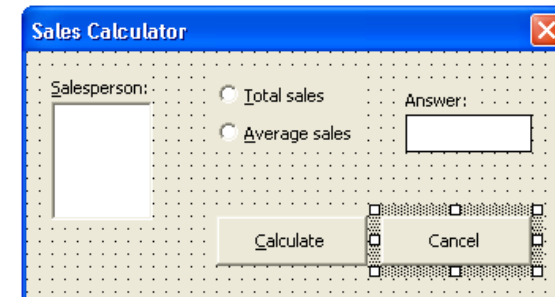
Assigning Accelerator Keys

- The underlined letter is called an **accelerator key** and it is used in combination with the **Alt key** as a shortcut for selecting a control
- In Excel, you use a control's Accelerator property to assign an accelerator key to the control
- **Note:** the accelerator key for a label control takes the focus to the next essential control in the tab order
- [Computer Inventory complete do loop Show.xls](#)



Using the Default and Cancel Properties

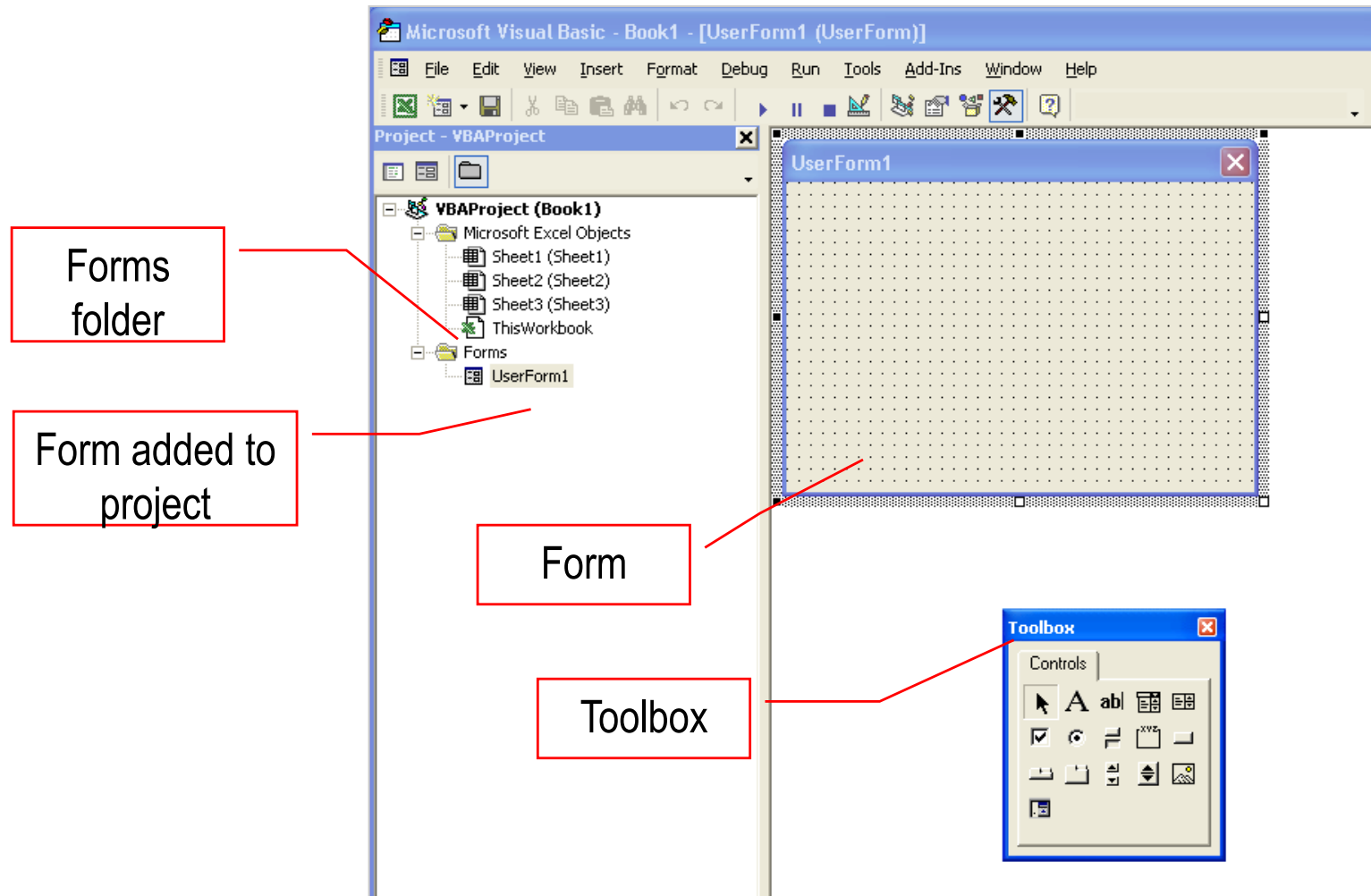
- The **default button** is the one that is selected automatically when the user presses the Enter key, even when the button does not have the focus
- You make a command button the default button by setting its **Default** property to the **Boolean value True**
- The **cancel button** is the one that is selected automatically when the user presses the **Esc** key
- You make a command button the cancel button by setting its **Cancel** property to the Boolean value True



Adding a Form to the Project

- Before you can create a custom dialog box, you first must add a form to the project
- The form will serve as the foundation of the dialog box
- To add a form to your project:
 - Open the VBE
 - Click Insert on the menu bar
 - Click UserForm
 - VBE adds a form to the project and also displays the toolbox

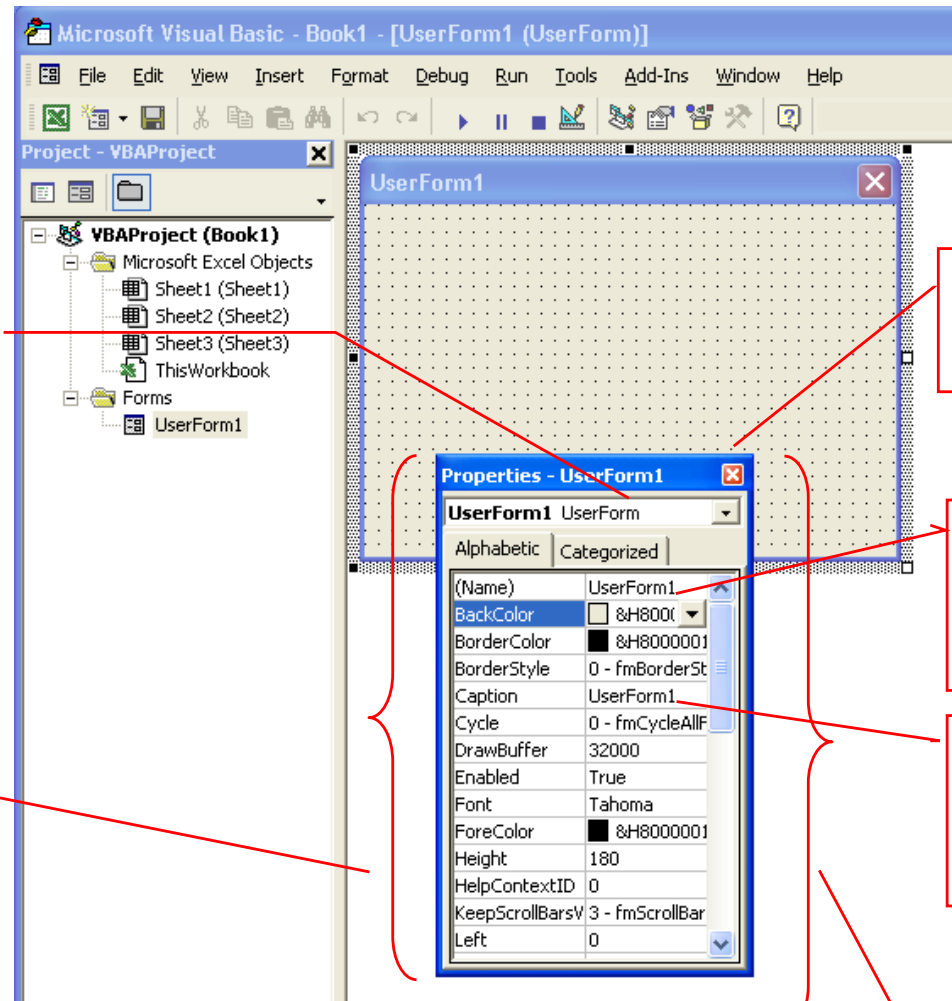
Form and Toolbox Window Shown in the Visual Basic Editor



Naming the Form

- Each form in a project must have a unique name
- The rules for naming forms are the same as the rules for naming variables
- The three-character ID used in form names is **frm**

The Properties Window



Object box – displays name and type of selected object

Properties list – for properties which can be set at design time

Properties window

Change the Name to frmUpdateInv after clicking Name

Change the caption to "Update Inventory"

Settings box

The Properties Window

The screenshot displays the Microsoft Visual Basic environment. The main window is titled "Microsoft Visual Basic - Book1 - [frmUpdateInv (UserForm)]". The menu bar includes File, Edit, View, Insert, Format, Debug, Run, Tools, Add-Ins, Window, and Help. The Project - VBAPROJECT window on the left shows the VBAProject (Book1) structure, including Microsoft Excel Objects (Sheet1, Sheet2, Sheet3, ThisWorkbook) and Forms (frmUpdateInv). The Properties - frmUpdateInv window is open, showing the Properties list for the UserForm. The list includes properties such as (Name), BackColor, BorderColor, BorderStyle, Caption, Cycle, DrawBuffer, Enabled, Font, ForeColor, Height, HelpContextID, KeepScrollBarsV, and Left. The Caption property is currently set to "Update Inven".

Object box – displays name and type of selected object

Properties window

Change the Name to frmUpdateInv after clicking Name

Change the caption to "Update Inventory"

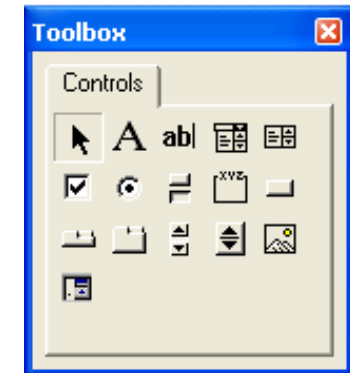
Settings box

Properties list – for properties which can be set at design time

Property	Value
(Name)	frmUpdateInv
BackColor	&H80000000
BorderColor	&H80000001
BorderStyle	0 - fmBorderStyle
Caption	Update Inven
Cycle	0 - fmCycleAllF
DrawBuffer	32000
Enabled	True
Font	Tahoma
ForeColor	&H80000001
Height	180
HelpContextID	0
KeepScrollBarsV	3 - fmScrollBarsV
Left	0

Using the Toolbox Window to Add a Control to the Form

- The Toolbox window, also referred to simply as the toolbox, contains the set of tools you use to place objects, called controls, on the form
- You can add a control to a form simply by dragging the appropriate tool to the desired location on the form



Toolbox Window

- Toolbox – the set of tools used to place objects on a form

Select Objects – selects objects, does not create a control

Text Box – accepts/displays text that can be changed by the user

List Box – displays a list of choices for user selection

Option Button – On/Off button

Frame – provides a container for controls

Tab strip – presents controls as a visual group

Scroll Bar – scrolls through a range of specified values

Image – displays a picture (img)

Label – displays text the user can't alter

Combo Box – displays text box with a list box

Check Box – either checked or unchecked

Toggle button – shows selection state
















Command Button – performs a specified task when clicked

Multi Page – presents info. On multiple screens

Spin Button – increments or decrements numbers

refEdit - displays the address of a range of cells selected

Basic Tools Included in the Toolbox

Tool	Name	Purpose	Control ID
	Check Box	Displays a box that is either checked or unchecked	chk
	Combo Box	Combines and displays a text box with a list box	cbo
	Command Button	Performs instructions when clicked	cmd
	Frame	Provides a visual and functional container for controls	fra
	Image	Displays a picture	img
	Label	Displays text that the user cannot change	lbl
	List Box	Displays a list of choices from which a user can select	lst
	Multi Page	Presents multiple screens of information as a single set	mpg
	Option Button	Displays a button that can be either on or off	opt
	Scroll Bar	Displays a scroll bar containing a range of values	scr
	Select Objects	Selects objects; this tool does not create a control	
	Spin Button	Increments and decrements numbers	spn
	Tab Strip	Presents a set of related controls as a visual group	tab
	Text Box	Accepts or displays text that the user can change	txt
	Toggle Button	Shows the selection state of an item	tog

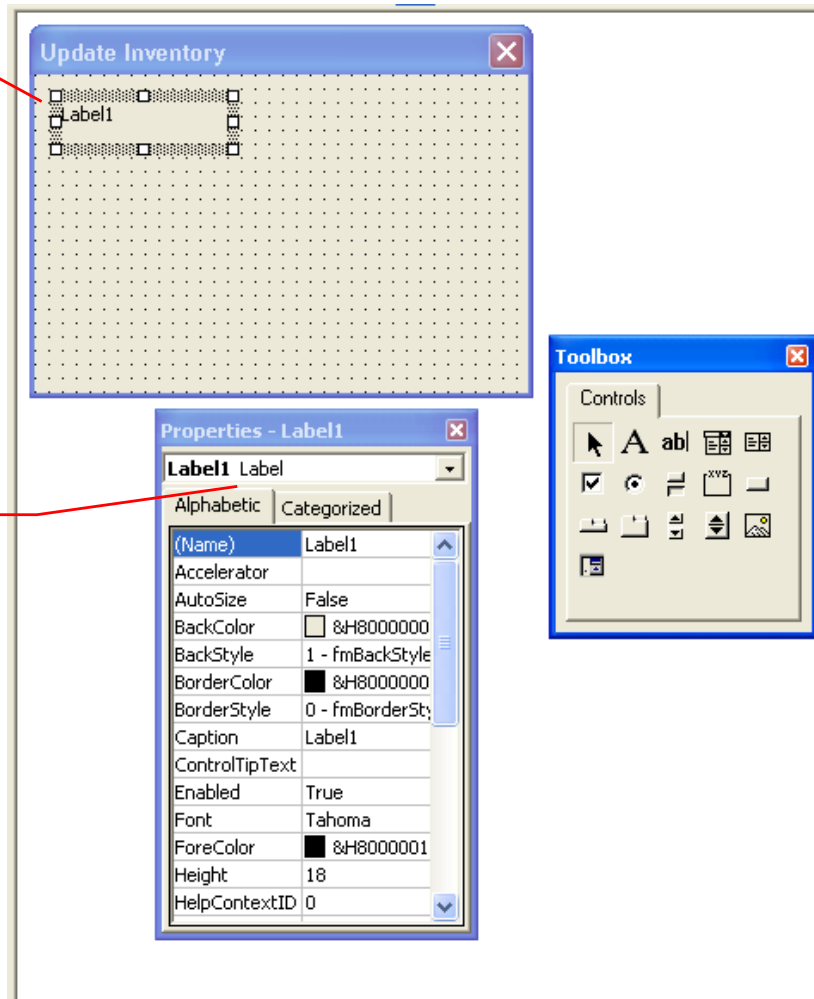
Basic tools included in the toolbox

Note: 3 character ID used to name the controls

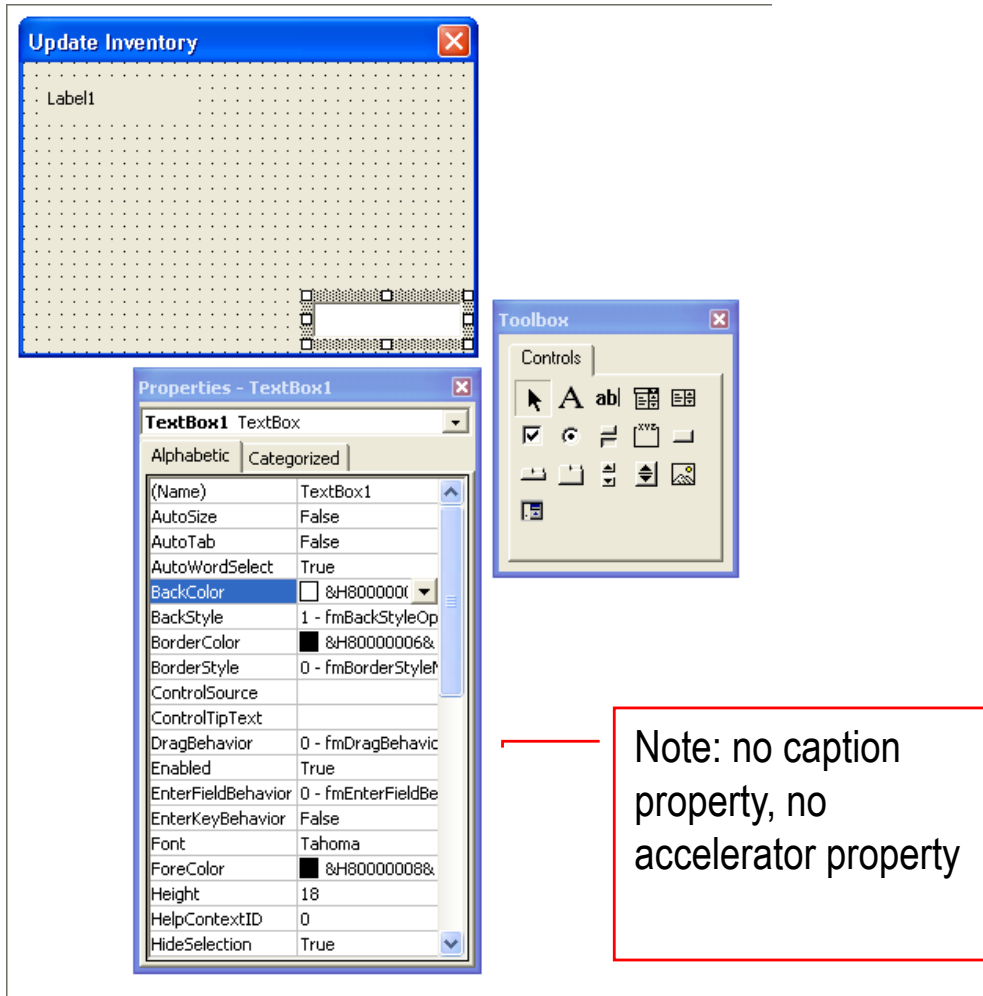
Label Control

Label control – default size

Label control – note default name and caption



Default-size Text box Control



The screenshot displays a Visual Studio .NET environment. At the top, a Windows Form titled "Update Inventory" is shown with a single text box control. Below the form, the "Properties - TextBox1" window is open, displaying the following properties:

Properties - TextBox1	
Alphabetic Categorized	
(Name)	TextBox1
AutoSize	False
AutoTab	False
AutoWordSelect	True
BackColor	&H80000000
BackStyle	1 - fmBackStyleOp
BorderColor	&H800000006&
BorderStyle	0 - fmBorderStylef
ControlSource	
ControlTipText	
DragBehavior	0 - fmDragBehavic
Enabled	True
EnterFieldBehavior	0 - fmEnterFieldBe
EnterKeyBehavior	False
Font	Tahoma
ForeColor	&H800000008&
Height	18
HelpContextID	0
HideSelection	True

To the right of the Properties window, the "Toolbox" is visible, showing various controls. A red box highlights a note:

Note: no caption property, no accelerator property

Adding Command button control

The image shows a Visual Basic IDE with three windows: 'Update Inventory', 'Properties - cmdExit', and 'Toolbox'. Red arrows point from text labels to specific elements in these windows.

Name of command button control: Points to the 'Exit' text on the 'Update Inventory' form.

Object box: Points to the 'Toolbox' window, which contains various controls like buttons, labels, and text boxes.

Accelerator key: Points to the 'Accelerator' property in the 'Properties - cmdExit' window, which is set to 'x'.

caption: Points to the 'Caption' property in the 'Properties - cmdExit' window, which is set to 'Exit'.

Properties - cmdExit (CommandButton):

Property	Value
(Name)	cmdExit
Accelerator	x
AutoSize	False
BackColor	&H8000000F&
BackStyle	1 - fmBackStyleOpa
Cancel	False
Caption	Exit
ControlTipText	
Default	False
Enabled	True
Font	Tahoma
ForeColor	&H80000012&
Height	24
HelpContextID	0
Left	72
Locked	False
MouseIcon	(None)
MousePointer	0 - fmMousePointer
Picture	(None)

Displaying and Removing a User Form

You use the form's **Show method** to bring the custom dialog box into the computer's memory and then display it on the screen, and you use the **Unload** statement to remove the dialog box from both the screen and memory

The workbook open event:

```
Private Sub Workbook_Open()  
    frmUpdateInv.Show  
End Sub
```

The workbook close event:

```
Private Sub Workbook_BeforeClose(Cancel As Boolean)  
    Unload frmUpdateInv  
End Sub
```

[Computer Inventory complete do loop Show.xls](#)
(select ThisWorkbook)

Coding a User Form

- Actions performed by the user—such as clicking, double-clicking, and scrolling—are called **events**
- You tell an object how to respond to an event by writing an **event procedure**
- **Event procedures** are blocks of instructions that perform a task
- **Event procedures** run in response to an event rather than in response to running a macro
- Every form has its own set of event procedures (e.g. Activate, Click, Double Click)
- Every object on a form also has its own set of event procedures (e.g. Click, Double Click....)

Example : Updating the Inventory Worksheet

This exercise involves creating a macro that uses a custom dialog box to **update the inventory amounts** (by subtracting the numbers sold from the number in stock)

	A	B	C	D	E	F	G
1	<i>Paradise Electronics</i>						
2							
3							
4	Model #	In Stock					
5	C100	10					
6	C200	5					
7	D430	10					
8	D480	6					
9	G250	8					
10	H290	9					
11	H560	15					
12	H780	20					
13	J480	3					
14	J631	5					
15	J651	7					
16	M222	8					
17	M345	8					
18	P123	4					
19							
20							
21							

Example: Command button click event procedure

Paradise Electronics:

	A	B	C	D	E	F	G	H
1	Paradise Electronics							
2								
3								
4	Model #	In Stock						
5	C100	8						
6	C200	5						
7	D430	10						
8	D480	6						
9	G250	8						
10	H290	9						
11	H560	12						
12	H780	20						
13	J480	3						
14	J631	1						
15	J651	7						
16	M222	8						
17	M345	8						
18	P123	3						
19								
20								

Update Inventory

Model number:

Number sold:

Updated amount:

Update

Cancel

	A	B	C	D	E	F	G	H
1	Paradise Electronics							
2								
3								
4	Model #	In Stock						
5	C100	8						
6	C200	5						
7	D430	10						
8	D480	6						
9	G250	8						
10	H290	9						
11	H560	12						
12	H780	20						
13	J480	3						
14	J631	1						
15	J651	7						
16	M222	8						
17	M345	8						
18	P123	3						
19								

Update Inventory

Model number:

Number sold:

Updated amount:

Update

Cancel

User enters model number and quantity sold

User clicks Update button

	A	B	C	D	E	F	G	H
1	Paradise Electronics							
2								
3								
4	Model #	In Stock						
5	C100	8						
6	C200	5						
7	D430	10						
8	D480	6						
9	G250	8						
10	H290	9						
11	H560	12						
12	H780	20						
13	J480	3						
14	J631	1						
15	J651	4						
16	M222	8						
17	M345	8						
18	P123	3						
19								

Update Inventory

Model number:

Number sold:

Updated amount:

Update

Cancel

Quantity is updated

Sketch of the Custom Dialog Box

Update Inventory

Model number:

Udate

Number sold:

Cancel

Updated amount:

The Partially Completed frmUpdateInv Form

Update Inventory

Label1

Label2

Label3

Label4

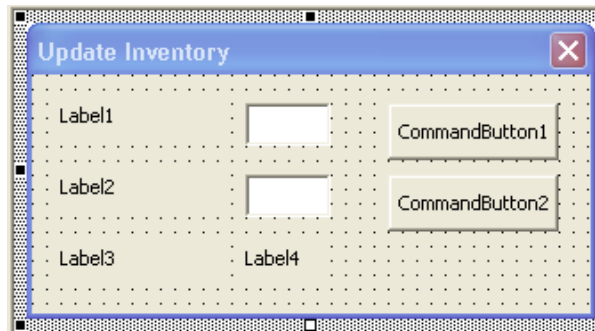
CommandButton1

CommandButton2

Setting the Name Property

- The form and any controls that will be either coded or referred to in code should have their default name changed to a more meaningful one
- The form's name has been changed from **UserForm1** to **frmUpdateInv**; you now need to change the appropriate control names
- You will **not need** to change the names of the three identifying labels (Label1, Label2, and Label3), because those controls will not be coded or referred to in code

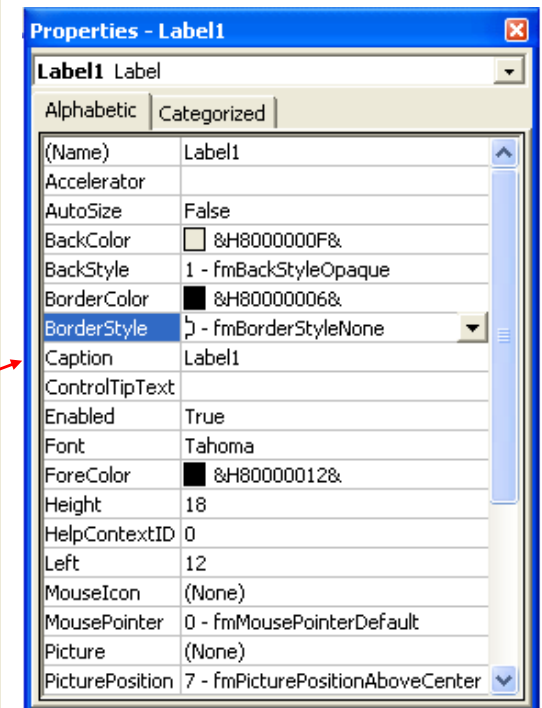
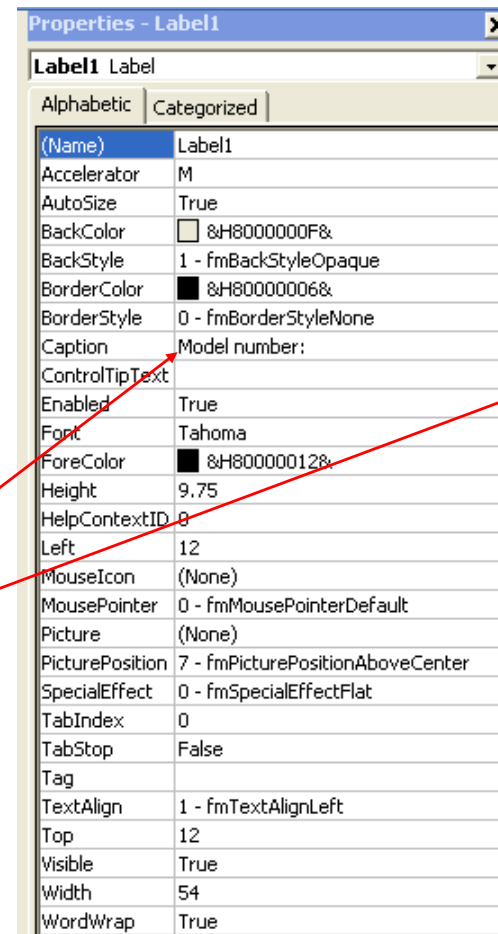
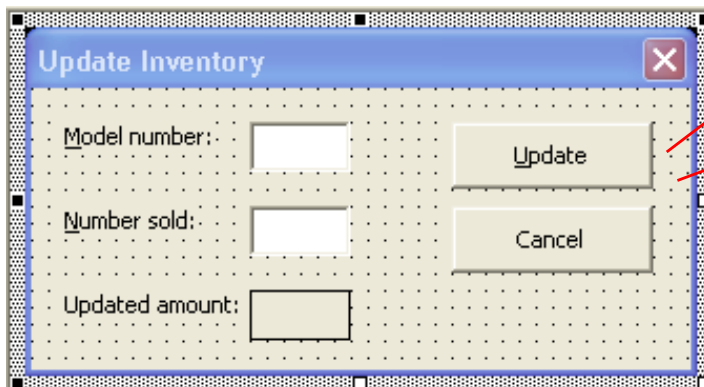
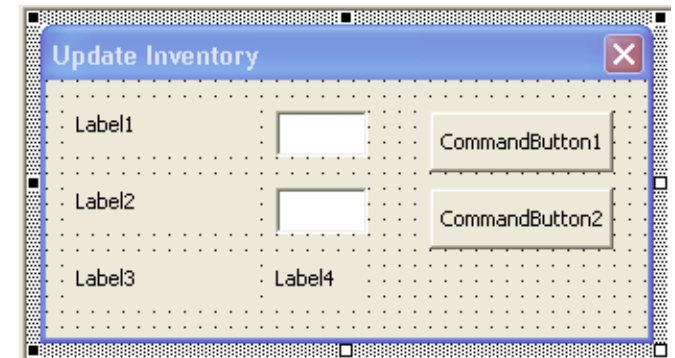
Controls Included in the Update Inventory Dialog Box



Default Name	Status	New Name
CommandButton1	Coded	cmdUpdate
CommandButton2	Coded	cmdCancel
Label1	Not coded or referred to in code	
Label2	Not coded or referred to in code	
Label3	Not coded or referred to in code	
Label4	Referred to in code	lblUpdated
TextBox1	Referred to in code	txtModel
TextBox2	Referred to in code	txtNumSold

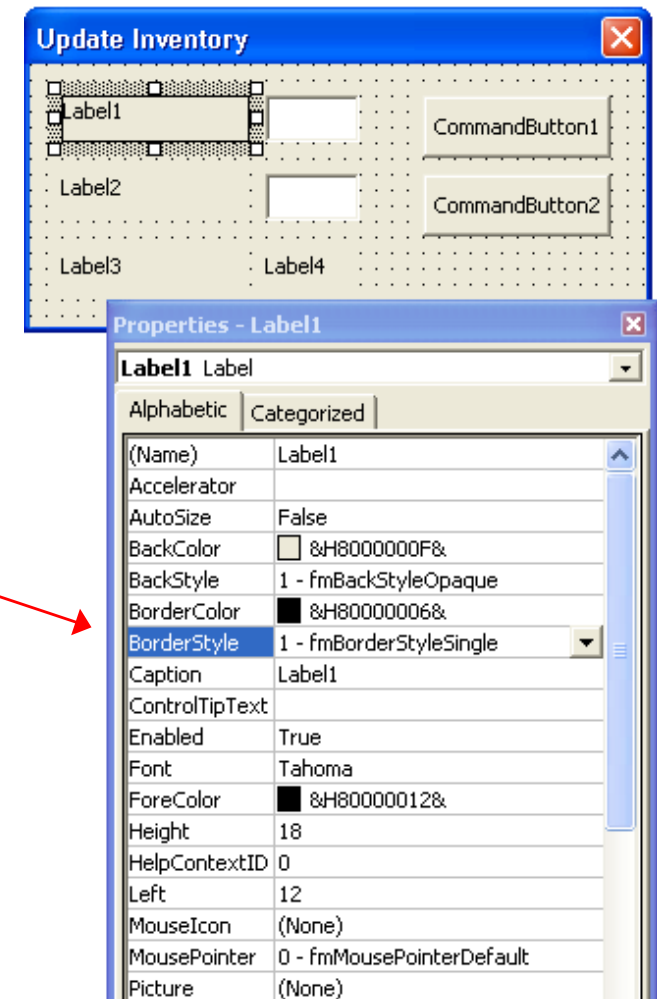
Setting the Caption Property

- Label controls and command buttons have a **Caption property** that controls the text appearing inside the control
- When a label or command button is added to the form, its **default name** is assigned to the Caption property. These require updating.
- [Computer Inventory complete.xlsm](#)



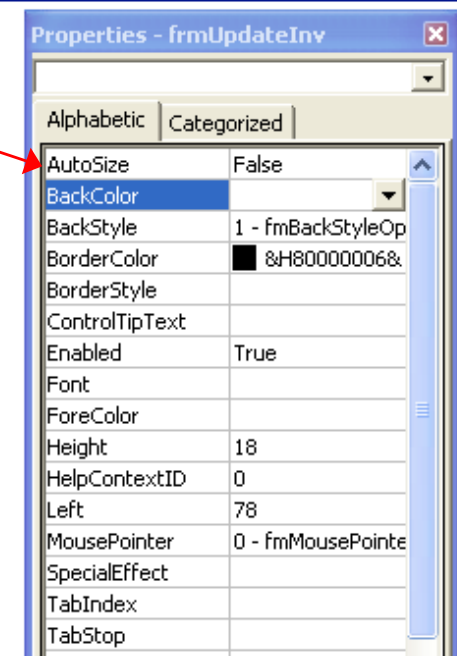
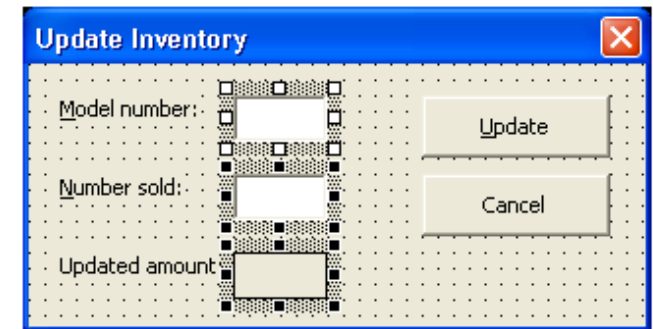
Setting the BorderStyle Property

- Many objects have a **BorderStyle** property that determines the style of the object's border
- Label controls, for example, have a BorderStyle property that can be set to either 0 (fmBorderStyleNone) or 1 (fmBorderStyleSingle)
- The 0 - fmBorderStyleNone setting displays the label control without a border, while the 1 (fmBorderStyleSingle) setting displays the label control with a thin line around its border
- Many controls also have an AutoSize property, which does just what its name implies



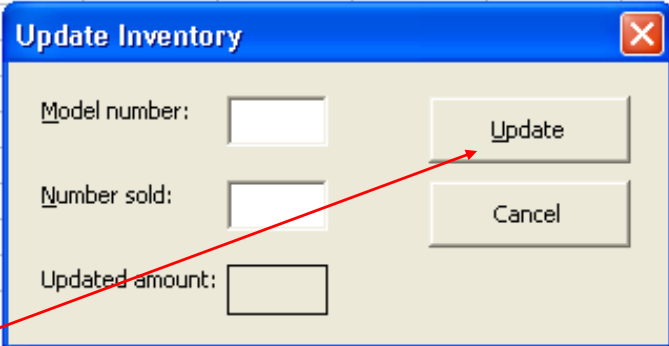
Changing the AutoSize Property for More Than One Control at a Time

- You can set the **AutoSize** property for the three identifying labels individually, or you can change the property for the three controls at the same time
- Before you can change a property for a group of controls, you need to select the controls



Providing Keyboard Access to Essential Controls

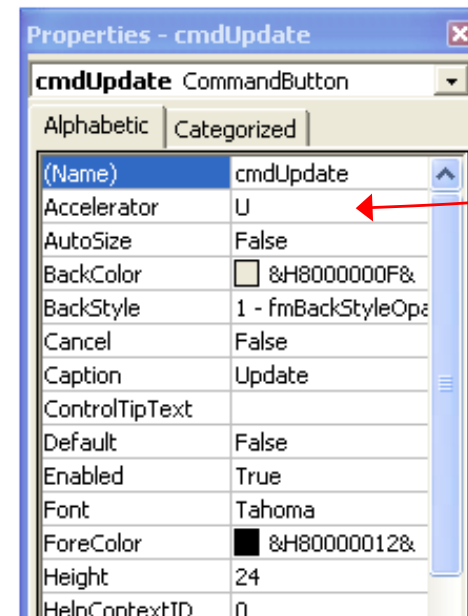
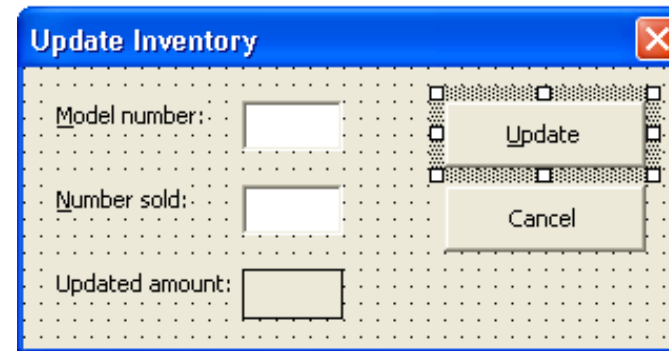
- You should provide keyboard access to each essential control on the form
- Use accelerator keys to provide keyboard access to the text boxes and to the Update command button



The image shows a Windows-style dialog box titled "Update Inventory" with a blue title bar and a close button (X) in the top right corner. The dialog has a light beige background. It contains three text input fields on the left, each with a label and an underline: "Model number:", "Number sold:", and "Updated amount:". To the right of these fields are two buttons: "Update" and "Cancel". A red arrow originates from the text "to the Update command button" in the second bullet point of the list and points directly to the "Update" button.

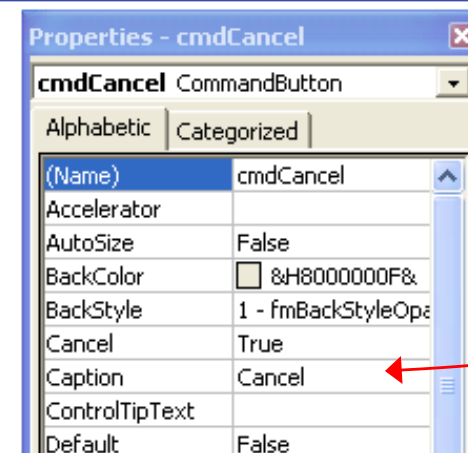
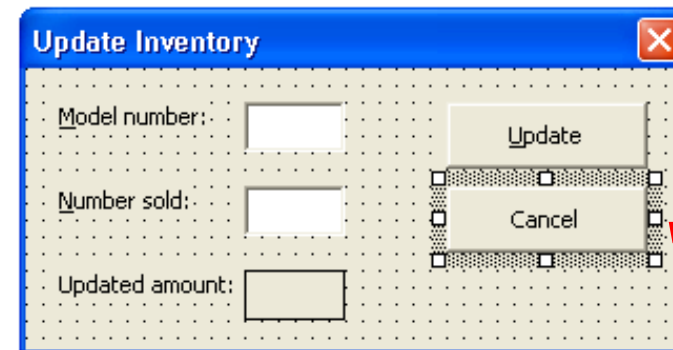
The Update button and Text box keyboard access

- Give the Update button an accelerator button of U
- Ditto for other essential controls....
- NB: text boxes don't have an accelerator key or a caption property
- To provide keyboard access for text boxes
 - Assign an accelerator key to the identifying label
 - Give the label control a TabIndex property immediately before the text box TabIndex property



The Cancel button

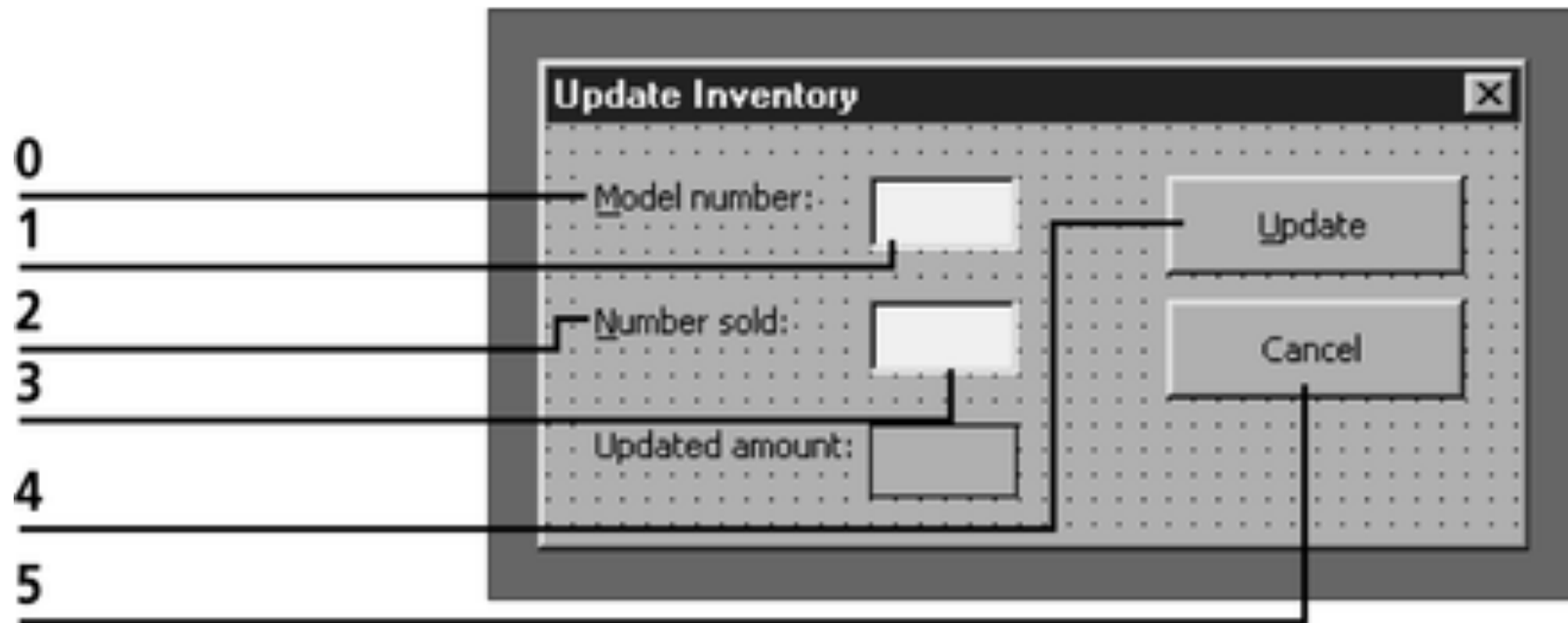
- Designate the Cancel button as the cancel button:



Setting the Tab Order

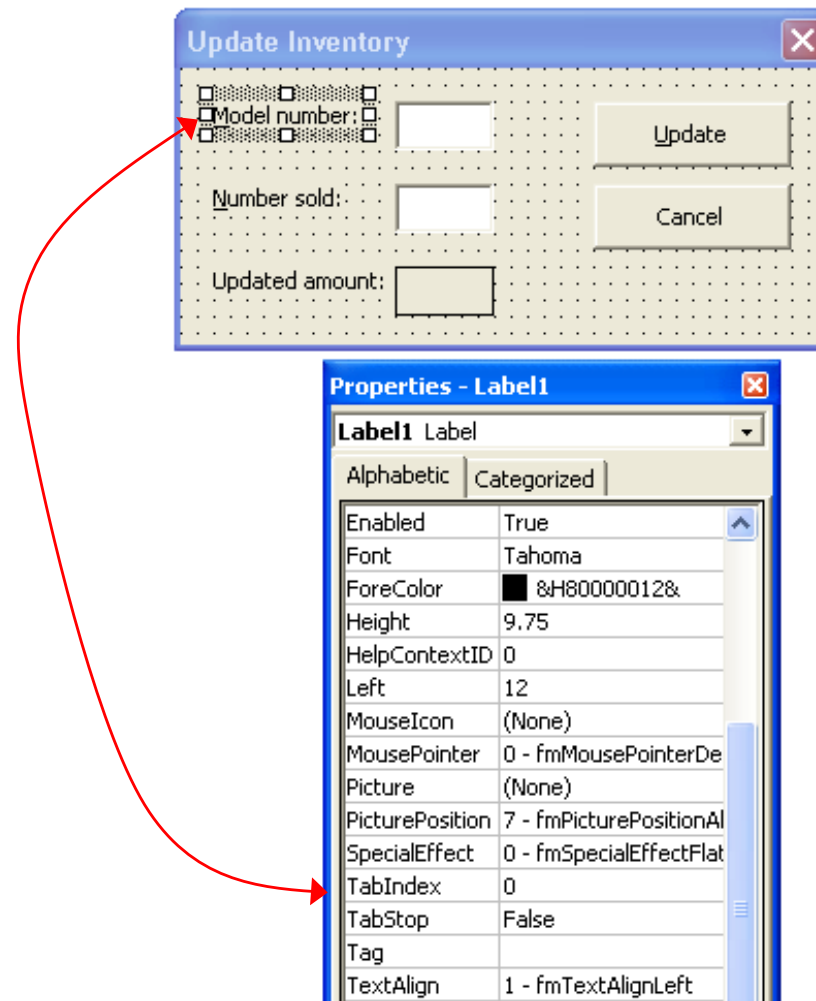
- The **tab order** is determined by the **TabIndex** property of the controls included in the dialog box
- When you add a control to a form, the control's **TabIndex** property is set to a number that represents the order in which the control was added to the form
- The control whose **TabIndex** value is 0 will receive the focus first, because it is the first control in the tab order
- Before you can set the **TabIndex** property of the controls, you need to determine where each essential control should fall in the tab order

TabIndex Values for Essential Controls and Their Identifying Labels



TabIndex values for essential controls and their identifying labels

TabIndex Values for Model Number



Coding the Controls in the Update Inventory Dialog Box

- The first control to code is the **Cancel button**, which should remove the form from both the screen and the computer's memory when the user selects the button
- The next control to code is the **Update command button**, which the user can select either by clicking it or by pressing the Enter key when the button has the focus

Code for the Cancel button

- Code (same as previously):
- The syntax of the Unload statement is
Unload formName

Private Sub cmdCancel_Click()

Unload frmUpdateInv

End Sub

The Inventory Worksheet in the Computer Inventory Workbook – code for Update button

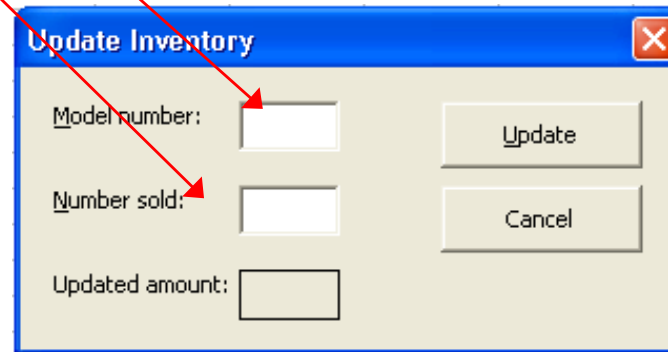
	Models		C100
	A	B	C
1	<i>Paradise Electron</i>		
2			
3			
4	Model #	In Stock	
5	C100	10	
6	C200	5	
7	D430	10	
8	D480	6	
9	G250	8	
10	H290	9	
11	H560	15	
12	H780	20	
13	J480	3	
14	J631	5	
15	J651	7	
16	M222	8	
17	M345	8	
18	P123	4	
19			
20			

A5:A18 is assigned the range name 'Models'

The code will search for the inventory number and update the corresponding entry in the In Stock column

Pseudocode for the Update Button's Click Event Procedure

1. Assign the contents of the txtModel control, in uppercase letters, to a string variable named strModel
2. Assign the contents of the txtNumSold control, treated as a number, to an integer variable intNumSold
3. Repeat the following for each cell in the **models** range:
 - a. If the model number stored in the current cell is equal to the model number stored in the strModel variable, then
 - 1) Calculate the updated inventory amount by subtracting the contents of the intNumSold variable from the model's current inventory amount, which is contained in the cell located to the immediate right of the current cell in the worksheet. Assign the result to an integer variable named intUpdated.
 - 2) Assign the contents of the intUpdated variable both to the lblUpdated control in the dialog box and to the cell located to the immediate right of the current cell in the worksheet.
 - 3) Exit the loop.



The dialog box is titled "Update Inventory" and has a close button (X) in the top right corner. It contains three input fields and two buttons. The first input field is labeled "Model number:" and has a red arrow pointing to it from the text "txtModel control" in the pseudocode. The second input field is labeled "Number sold:" and has a red arrow pointing to it from the text "txtNumSold control" in the pseudocode. The third input field is labeled "Updated amount:". To the right of the input fields are two buttons: "Update" and "Cancel".

	A	B	C
1	Paradise Electro		
2			
3			
4	Model #	In Stock	
5	C100	10	
6	C200	5	
7	D430	10	
8	D480	6	
9	G250	8	
10	H290	9	
11	H560	15	
12	H780	20	
13	J480	3	
14	J631	5	
15	J651	7	
16	M222	8	
17	M345	8	
18	P123	4	
19			
20			

Click event procedure for Update Command button

- Form control names

The screenshot shows an Excel spreadsheet with a table of electronic components and an 'Update Inventory' form overlaid on it. The spreadsheet has columns A through H and rows 1 through 19. Row 1 contains the text 'Paradise Electronics'. Row 2 is empty. Row 3 is empty. Row 4 has headers 'Model #' and 'In Stock'. Rows 5 through 18 contain data for various models and their stock levels. Row 19 is empty.

Model #	In Stock
C100	8
C200	5
D430	10
D480	6
G250	8
H290	9
H560	12
H780	18
J480	3
J631	1
J651	7
M222	8
M345	8
P123	3

The 'Update Inventory' form has a blue title bar and a close button. It contains three text boxes: 'Model number:' with the value 'h560', 'Number sold:' with the value '2', and 'Updated amount:' which is empty. There are two buttons: 'Update' and 'Cancel'. A label 'lblUpdated' is positioned next to the 'Update' button.

Annotations with red boxes and lines pointing to the form controls:

- Textbox called txtModel (points to the 'Model number:' text box)
- Textbox called txtNumSold (points to the 'Number sold:' text box)
- Label called lblUpdated (points to the 'Update' button)

Note: the update button searches the list for the specified model and if it is found, updates the inventory and displays the Updated amount on the form.

Variables required

Variable	Data type
strModel	String
intNumSold	Integer
intUpdated	Integer
wksInventory	Worksheet
rngCell	range

Variables used by Update button's click event procedure.

Start of Update Button's Click Event Procedure

```
Private Sub cmdUpdate_Click()
```

```
'declare variables and assign address to Worksheet variable
```

```
Dim strModel As String, intNumSold As Integer, intUpdated As Integer
```

```
Dim wksInventory As Worksheet,
```

```
Dim rngCell As Range
```

```
Set wksInventory = _
```

```
Application.Workbooks("computer  
inventory.xls").Worksheets("inventory")
```

```
.....
```

```
End Sub
```

Click event procedure for Update Command button

Example – updating an inventory [Computer Inventory complete For Each version.xlsm](#)

```
Private Sub cmdUpdate_Click()
```

'declare variables and assign address to Worksheet variable

```
Dim strModel As String
```

```
Dim intNumSold As Integer
```

```
Dim intUpdated As Integer
```

```
Dim wksInventory As Worksheet
```

```
Set wksInventory = _
```

```
Application.Workbooks("computer inventory complete do loop  
version.xlsm").Worksheets("inventory")
```

'assign user input to variables

```
strModel = UCase(txtModel.Text)
```

```
intNumSold = Val(txtNumSold.Text)
```

Declaring and assigning
variables

Capturing user input
and assigning to
variables

Model number:	h560
Number sold:	2

Completed Click Event Procedure for the cmdUpdate Control

```
Private Sub cmdUpdate_Click()
    'declare variables and assign address to Worksheet variable
    Dim strModel As String, intNumSold As Integer, intUpdated As Integer
    Dim wksInventory As Worksheet, rngCell As Range
    Set shtInventory = _
        Application.Workbooks("computer inventory.xls").Worksheets("inventory")

    'assign user input to variables
    strModel = UCase(txtModel.Text)
    intNumSold = Val(txtNumSold.Text)

    'search for the model number, then update its inventory amount
    For Each rngCell In wksInventory.Range("models").cells
        If rngCell.Value = strModel Then
            intUpdated = rngCell.Offset(columnoffset:=1).Value - intNumSold
            lblUpdated.Caption = intUpdated
            rngCell.Offset(columnoffset:=1).Value = intUpdated
        End If
    Next rngCell
End Sub
```

Update Inventory

Model number: G250

Number sold: 3

Updated amount:

Update

Cancel

C100
C200
D430
D480
G250
H290
H560
H780
J480
J631
J651
M222
M345
P123

Model #	In Stock
C100	8
C200	5
D430	10
D480	6
G250	8
H290	9
H560	12
H780	20
J480	3
J631	5
J651	7
M222	8
M345	8
P123	3

Update Inventory

Model number: G250

Number sold: 3

Updated amount: 5

Update

Cancel

Updated Inventory Amount Shown in the Dialog Box and in the Worksheet

	A	B	C	D	E	F	G	H
1	<i>Paradise Electronics</i>							
2								
3								
4	Model #	In Stock						
5	C100	8						
6	C200	5						
7	D430	10						
8	D480	6						
9	G250	5						
10	H290	5						
11	H560	12						
12	H780	20						
13	J480	3						
14	J631	5						
15	J651	7						
16	M222	8						
17	M345	8						
18	P123	3						
19								
20								

Update Inventory

Model number:

Number sold:

Updated amount:

Alternate Click event procedure for Update Command button – using a Do Loop

- Example – updating an inventory

Code continued:

'search for the model number, then update its inventory amount

```
wksInventory.Range("model").Select
```

```
Do Until IsEmpty(ActiveCell)
```

```
  If ActiveCell.Value = strModel Then
```

```
    intUpdated = ActiveCell.Offset(columnoffset:=1).Value - intNumSold
```

```
    lblUpdated.Caption = intUpdated
```

```
    ActiveCell.Offset(columnoffset:=1).Value = intUpdated
```

```
  Exit Do
```

```
End If
```

```
ActiveCell.Offset(1, 0).Select
```

```
Loop
```

```
End Sub
```

"model" refers to cell A4

Runs through the list of models

If the model is found, the details are updated

	A	B
1	Paradise	
2		
3		
4	Model #	In Stock
5	C100	8

Summary

- To create a **user form** or **custom dialog box**:
- Add a form to the project, then add controls to the form:
 - Click Insert on the menu bar, and then click UserForm
 - Align the controls wherever possible to minimize the number of different margins on the form
- To follow the Windows standards for controls:
 - Use a **label control** to display text that you don't want the user to modify
 - Use a **text box** control to provide an area in the dialog box where data can be entered
 - Use a **command button** control to process one or more instructions as soon as the button is clicked

Summary

- Position the **command button** either at the **bottom** or on the **right** side of the dialog box
- Group related command buttons together by positioning them close to each other in the dialog box
- Provide keyboard access to the essential controls in the dialog box using **accelerator** keys
- To select an appropriate accelerator key for a control:
 - Use the first letter of the control's caption, unless another letter provides a more meaningful association

Summary

- To specify a command button as the default button:
 - Set the command button's **Default** property to **True**
- To specify a command button as the **cancel** button:
 - Set the command button's Cancel property to **True**
- Set an appropriate tab order
- To change the properties of an object:
 - Use the Properties window

Summary

- To have a procedure display a custom dialog box on the screen:
 - Use the Show method, whose syntax is: **formName.Show**
- To have a procedure remove a form from both the screen and the computer's memory:
 - Use the Unload statement, whose syntax is **Unload formName**
- To have an object respond to an event in a particular way:
 - Enter VBA instructions in the appropriate event procedure for the object