

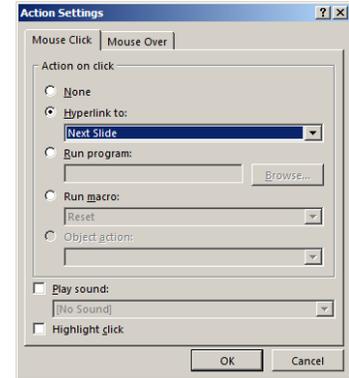
Getting Started with High-Fidelity Wireframes in PowerPoint

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Simple Navigation

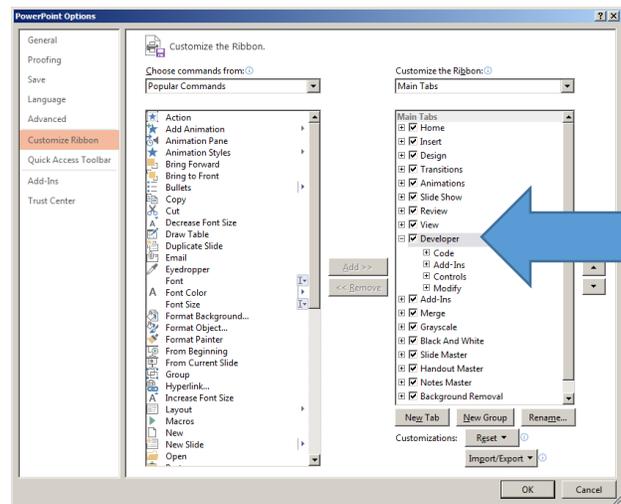
1. Click on an object (e.g., a shape, a picture, a word).
2. Go to Insert > Action
3. Select “Hyperlink to”
4. Choose a selection from the dropdown

This is also how you would assign a macro (i.e., VBA program) to a button or shape.

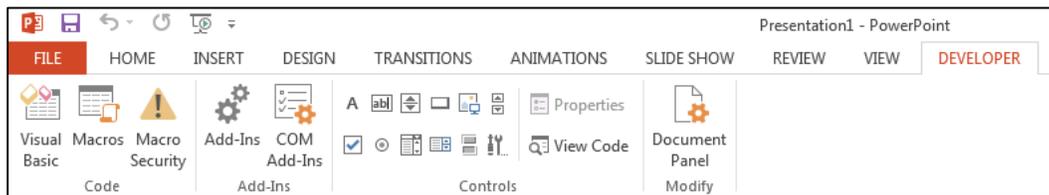


Using Visual Basic for Applications (VBA)

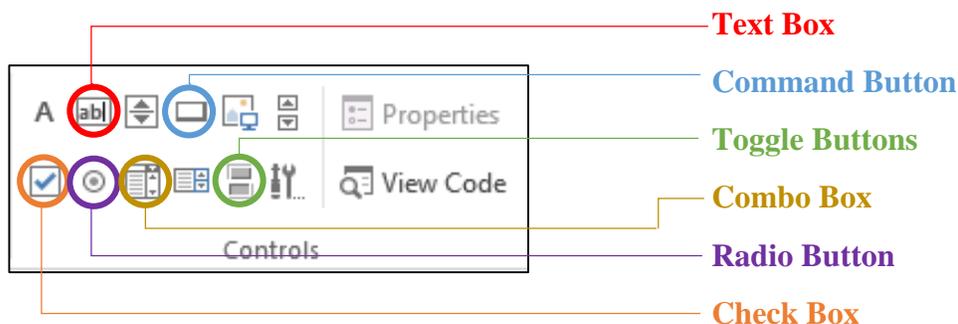
1. Go to File > Options > Customize Ribbon
2. Check the box next to “Developer” in the right-hand pane



3. The Developer toolbar will now appear

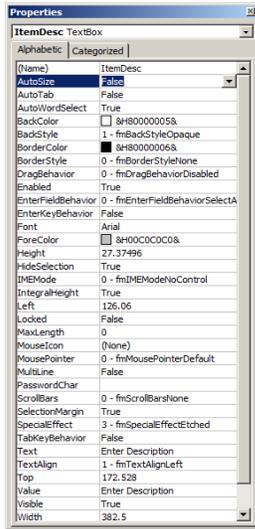


4. Insert a control by clicking on the icon in the toolbar and then clicking in your presentation



Once a control is inserted, it can be used without additional programming. You need to run the PowerPoint show in order to interact with the control.

- If you want to change characteristics about the control (e.g., font in a textbox, background color of a command button), you can alter the control's properties by right-clicking on it and select Property Sheet to see a menu of options for that control (left). If you want anything to happen when you enter a text field or click on a button (e.g., save data), you need to program the control by double-clicking on it to bring up the VBA Programming Screen (right).



Property Sheet

```
'Delete Default Text and Change Font to Black
Private Sub ItemDesc_GotFocus()
If ItemDesc.Text = "Enter Description" Then
ItemDesc.Text = ""
ItemDesc.ForeColor = RGB(0, 0, 0)
Else
ItemDesc.ForeColor = RGB(0, 0, 0)
End If

If Slide60.ItemCategory.ListCount = 0 Then
With Slide60.ItemCategory
.AddItem ""
.AddItem "Food and Drinks Away From Home"
.AddItem "Food and Drinks for Home Consumption"
.AddItem "Clothes, Shoes, Jewelry, and Accessories"
.AddItem "All Other Products, Services, and Expenses"
End With
Else
End If
End Sub

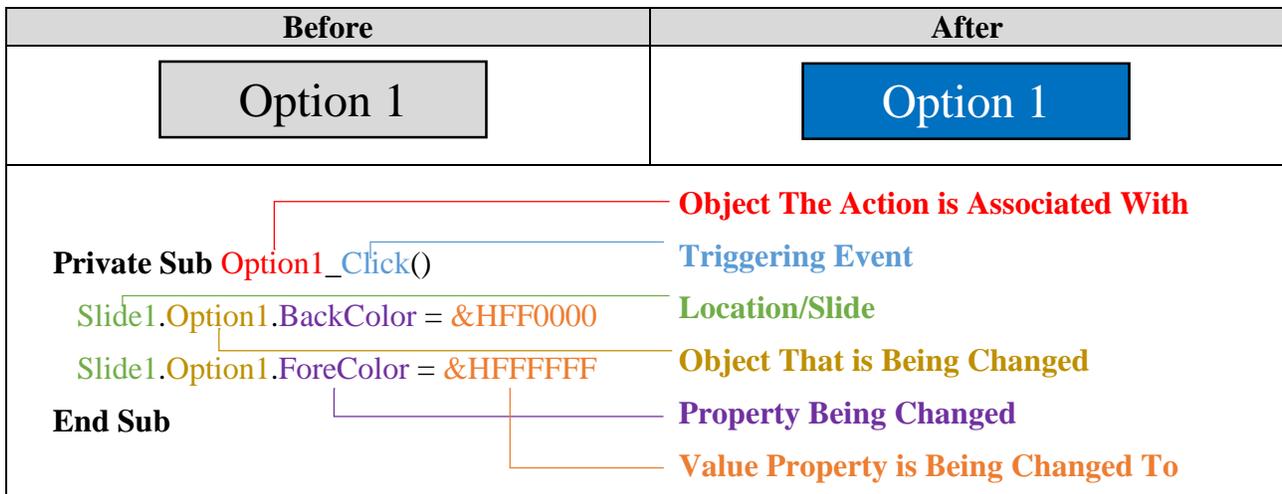
'If nothing is entered return default text and grey color
Private Sub ItemDesc_LostFocus()
If ItemDesc.Text = "" Then
ItemDesc.Text = "Enter Description"
ItemDesc.ForeColor = RGB(192, 192, 192)
ElseIf ItemDesc.Text = "Enter Description" Then
ItemDesc.ForeColor = RGB(192, 192, 192)
Else
ItemDesc.ForeColor = RGB(0, 0, 0)
End If
End Sub

Private Sub Frozen_Click()
Bottledcanned.BackColor = &H8000000F
Bottledcanned.ForeColor = &H04
FoodOther.BackColor = &H8000000F
FoodOther.ForeColor = &H04
If Frozen.BackColor = &H80000000F Then
Frozen.BackColor = &HFF0000
Frozen.ForeColor = &HFFFFFF
ElseIf Frozen.BackColor = &HFF0000 Then
```

VBA Programming Screen

- Programming is not as hard as it might seem. Here is a simple example:

Imagine that you have a command button called Option1. When you click on Option1, you want it to change colors so that the background is blue and the text is white.



Once you understand the structure, you need to learn what is possible (e.g., what are possible trigger events or what properties can be changed about an object).

- When you get stuck, use Google to find a forum where someone else has had the same problem you're having. Often they will provide code that you can use.