

VBA SOURCE CODE BOOK

USERFORM DATA MAPPING

USERFORM DATA MAPPING

PRODUCT LIST

Prod. ID	UPC/SKU	Product Name	Description	Picture	Purchase Price	Sales Price	In Stock	Value On Hand
1	1545154	Coke 2-liter	Coke 2-liter description	Coke 2-liter.jpg	\$ 1.49	\$ 3.94	65	\$ 96.85
2	9250060	Sprite-1.5Liter	Sprite-1.5Liter description this is	Sprite-1.5Liter.jpg	\$ 1.53	\$ 3.19	71	\$ 108.63
3	8285186	Pepsi 2 Liter	Pepsi 2 Liter description	Pepsi 2 Liter.jpg	\$ 1.40	\$ 2.85	45	\$ 63.00
4	8159837	Mountain Dew 2L	Mountain Dew 2L description	Mountain Dew 2L.jpg	\$ 1.56	\$ 3.50	50	\$ 78.00
5	2553863	RC Cola 1L	RC Cola 1L description	Cola 1L.jpg	\$ 1.58	\$ 3.22	21	\$ 33.18
6	4633356	Red Wine 4L	Red Wine 4L description	Red Wine 4L.jpg	\$ 1.15	\$ 2.02	57	\$ 65.55
7	2464168	White Wine 1.5L	White Wine 1.5L description	White Wine 1.5L.jpg				
8	1479002	Noir Wine 750ML	Noir Wine 750ML description	Noir Wine 750ML.jpg				
9	1250066	Colombard Wine 5L	Colombard Wine 5L description	Colombard Wine 5L.jpg				
10	1250066	Dark Red Wine 5L	Dark Red Wine description	Dark Red Wine 5L.jpg				
11	1250066	Heineken 330ml	Heineken 330ml description	Heineken 330ml.jpg				
12	1250066	Corona Extra 355ML	Corona Extra 355ML description	Corona Extra 355ML.jpg				
13	1250066	Bud Light Beer	Bud Light Beer description	Bud Light Beer.jpg				
14	1250066	San Mig Light	San Mig Light description	San Mig Light.jpg				
15	1250066	Coors Light	Coors Light description	Coors Light.jpg				
16	1250066	Gin	Gin description	Gin.jpg				
17	1250066	Rum	Rum description	Rum.jpg				
18	1250066	Whiskey	Whiskey description	Whiskey.jpg				
19	1250066	Vodka	Vodka description	Vodka.jpg				
20	1250066	Scotch	Scotch description	Scotch.jpg				
21	1250066	Powerade	Powerade description	Powerade.jpg				
22	9531234	Rockstar Energy	Rockstar Energy description	Rockstar Energy.jpg				
23	2087123	Bang Energy	Bang Energy description	Bang Energy.jpg				

ADD/EDIT PRODUCT

UPC/SKU: 2553863

Product Name: RC Cola 1L

Description: RC Cola 1L description

Purch. Price: 1.58

Qty. In Stock: 21

Sales Price: 3.22

Value On Hand: 33.18

Buttons: SAVE, CANCEL, DELETE

ALL FROM SCRATCH!



Excel For Freelancers

VBA Hack: How To Use Data Mapping In Any Userform



DOWNLOAD APPLICATION



VIEW TRAINING

by: Randy Austin

ABOUT THE AUTHOR

A 4-time Microsoft MVP & lifetime Excel enthusiast, Randy Austin founded Excel For Freelancers in 2017. Excel For Freelancers quickly became the most prominent resource Excel for developers to learn how to turn their passion for Excel into profits by building & selling their own excel-based applications for passive & recurring income.

With over 471,000 YouTube subscribers, 35,448,742 video views, 430+ comprehensive training videos, and a thriving 65,000 member Facebook community, Excel For Freelancers has positioned itself as the #1 Excel developers resource in the world.

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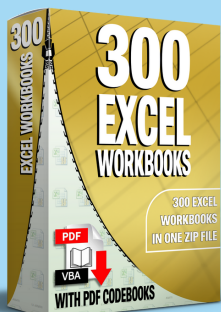
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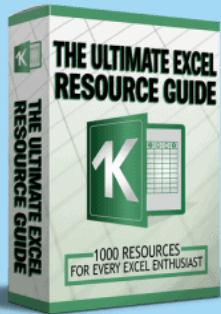
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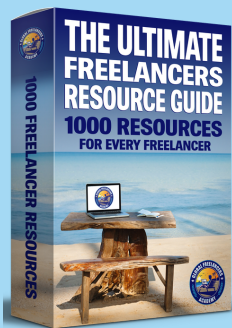
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```
1 Option Explicit
2
3 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
4     If Shapes("EditProdBtn").Visible = True Then Shapes("EditProdBtn").Visible =
5         msoFalse
6     If Not Intersect(Target, Range("A4:I9999")) Is Nothing And Range("A" & Target.Row)
7         .Value <> "" Then
8             Range("L2").Value = Target.Row
9             With Shapes("EditProdBtn")
10                .Left = Range("J" & Target.Row).Left
11                .Top = Range("J" & Target.Row).Top
12                .Visible = msoCTrue
13            End With
14        End If
15    End Sub
```

1 Option Explicit

2

```
1 Option Explicit
2
3
4 Private Sub BrowseBtn_Click()
5     Product_AddPicture
6 End Sub
7
8 Private Sub CancelBtn_Click()
9     Unload Me
10 End Sub
11
12
13
14 Private Sub ClearBtn_Click()
15     Me.ProdPic.Picture = Nothing
16     Me.Field4.Value = ""
17 End Sub
18
19 Private Sub DeleteBtn_Click()
20     Product_Delete
21 End Sub
22
23 Private Sub Field1_Exit(ByVal Cancel As MSForms.ReturnBoolean)
24     ProductSaveOnExit (1)
25 End Sub
26
27
28 Private Sub Field2_Exit(ByVal Cancel As MSForms.ReturnBoolean)
29     ProductSaveOnExit (2)
30 End Sub
31
32
33 Private Sub Field3_Exit(ByVal Cancel As MSForms.ReturnBoolean)
34     ProductSaveOnExit (3)
35 End Sub
36
37
38
39 Private Sub Field4_Exit(ByVal Cancel As MSForms.ReturnBoolean)
40     ProductSaveOnExit (4)
41 End Sub
42
43
44 Private Sub Field5_Exit(ByVal Cancel As MSForms.ReturnBoolean)
45     ProductSaveOnExit (5)
46 End Sub
47
48
49 Private Sub Field6_Exit(ByVal Cancel As MSForms.ReturnBoolean)
50     ProductSaveOnExit (6)
51 End Sub
52
53 Private Sub Field7_Exit(ByVal Cancel As MSForms.ReturnBoolean)
54     ProductSaveOnExit (7)
55 End Sub
56
57 Private Sub Field8_Exit(ByVal Cancel As MSForms.ReturnBoolean)
58     ProductSaveOnExit (8)
59 End Sub
60
61 Private Sub SaveBtn_Click()
```

1


```
62 | 1 Product_SaveUpdate  
63 | End Sub
```

```

1 Option Explicit
2 Dim ProdRow As Long, ProdCol As Long, ProdID As Long
3 Dim ProdPic As FileDialog
4 Dim PicName As String, PicPath As String, PicFolder As String
5 Dim ProdFld As Control
6
7 Sub BrowseForProductFolder()
8     Dim PicFolder As FileDialog
9     Set PicFolder = Application.FileDialog(msoFileDialogFolderPicker)
10    With PicFolder
11        .Title = "Browser for product picture folder"
12        .AllowMultiSelect = False
13        If .Show <> -1 Then Exit Sub
14        ProductDB.Range("L1").Value = .SelectedItems(1)
15    End With
16 End Sub
17
18 Sub Product_AddNew()
19     ProductDB.Range("L2").ClearContents 'clear Selected Row
20     ProductDB.Shapes("EditProdBtn").Visible = msoFalse 'Hide edit Product button
21     ProductFrm.Show
22 End Sub
23
24
25 Sub Product_AddPicture()
26     If [ProductFolder] = "" Then
27         MsgBox "Please select a folder for product pictures"
28         BrowseForProductFolder 'Run macro to browser for picture folder
29         If [ProductFolder] = "" Then Exit Sub '2nd check
30     End If
31     PicFolder = [ProductFolder] 'Set Picture folder
32     Set ProdPic = Application.FileDialog(msoFileDialogFilePicker)
33     With ProdPic
34         .Title = "Select a jpg product picture"
35         .Filters.Clear
36         .Filters.Add "Select jpeg picture", "*.jpg, *.jpeg", 1
37         If .Show <> -1 Then Exit Sub
38         PicPath = .SelectedItems(1) 'Existing Picture Path
39         ProductFrm.ProdPic.Picture = LoadPicture(PicPath)
40         PicName = Dir(PicPath) 'Set Picture Name
41         ProductFrm.Field4.Value = PicName 'Set Name Of Picture
42         'Copy to product folder
43         On Error Resume Next
44         FileCopy PicPath, PicFolder & "\" & PicName
45         On Error GoTo 0
46     End With
47 End Sub
48
49 Sub Product_Delete()
50     If MsgBox("Are you sure you want to delete this product?", vbYesNo, "Delete
51     Product") = vbNo Then Exit Sub
52     With ProductDB
53         If .Range("L2").Value = Empty Then GoTo NotSaved
54         ProdRow = .Range("L2").Value 'Prod row
55         .Range("L2").ClearContents
56         .Shapes("EditProdBtn").Visible = msoFalse 'Hiding Edit Product button
57         .Range(ProdRow & ":" & ProdRow).EntireRow.Delete
58         NotSaved:
59         Unload ProductFrm
60     End With

```

```

61 1 End Sub
62
63
64
65
66
67 Sub Product_Edit()
68     With ProductDB
69         If .Range("L2").Value = Empty Then
70             MsgBox "Please select a product to edit"
71             Exit Sub
72         End If
73         ProdRow = .Range("L2").Value 'Product Row
74         With ProductFrm
75             For ProdCol = 2 To 9
76                 Set ProdFld = .Controls("Field" & ProdCol - 1)
77                 ProdFld.Value = ProductDB.Cells(ProdRow, ProdCol).Value
78             Next ProdCol
79             If .Field4.Value <> Empty Then
80                 PicPath = [ProductFolder] & "\" & .Field4.Value 'Picture Path
81                 On Error Resume Next
82                 .ProdPic.Picture = LoadPicture(PicPath) 'Load Picture
83                 On Error GoTo 0
84             End If
85             .Show
86         End With
87     End With
88 End Sub
89
90 Sub Product_SaveUpdate()
91     With ProductFrm
92         'Check for Required Field
93         If .Field2.Value = Empty Then
94             MsgBox "Please make sure to add a product name"
95             Exit Sub
96         End If
97         If ProductDB.Range("L2").Value = Empty Then
98             ProdRow = ProductDB.Range("A99999").End(xlUp).Row + 1 'First avail Row
99             On Error Resume Next
100            ProdID = Application.WorksheetFunction.Max([Prod_ID]) + 1 'Next Product ID
101            On Error GoTo 0
102            If ProdID = 0 Then ProdID = 1 'Set Default when there is no data
103            ProductDB.Range("A" & ProdRow).Value = ProdID 'Set Product ID
104        Else 'Existing Product
105            ProdRow = ProductDB.Range("L2").Value 'Existing Product Row
106        End If
107        For ProdCol = 2 To 9
108            Set ProdFld = .Controls("Field" & ProdCol - 1)
109            ProductDB.Cells(ProdRow, ProdCol).Value = ProdFld.Value
110        Next ProdCol
111        Unload ProductFrm
112    End With
113 End Sub
114
115
116 Sub ProductSaveOnExit(FieldNumb As Long)
117     With ProductDB
118         If .Range("L2").Value = Empty Then Exit Sub
119         ProdRow = .Range("L2").Value 'Product Row
120         ProdCol = FieldNumb + 1 'Set Product Column
121         Set ProdFld = ProductFrm.Controls("Field" & FieldNumb)

```

1 2

```
122 1 2 If ProdFld.Value <> .Cells(ProdRow, ProdCol).Value Then .Cells(ProdRow, ProdCol).
123     Value = ProdFld.Value
124     End With
125 End Sub
```

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Thank You!

This source code was created and made available to help you gain a better understanding of how VBA is used to create amazing Excel-based applications.

Thank you so much for your continued shares, likes and support. It really helps.



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