

# VBA SOURCE CODE BOOK

## USERFORM POINT OF SALE

POINT OF SALE January Sales: \$167.46 2024 Sales: \$181.64 Fred Fredders

Search Receipt # Sales Order # 100011 PREV. SALE NEXT SALE

Scan UPC/SKU Scan Product UPC/SKU Type/Select Product Name

Name	SKU	QTY	PRICE	TOTAL
Coke 2-liter	1545154	0	\$0.00	\$-
Sprite-1.5Liter	5858103	0	\$0.00	\$-
Pepsi 2 Liter	8285186	0	\$0.00	\$-

PRINT RECEIPT  
ADD NEW SALE

Enter Payment

Payment Details

Enter Payment Amount

Enter Payment Type

Print Type:

PRODUCT CATEGORIES

BEVERAGES BREADS & CEREALS MEATS & SEAFOOD DAIRY & EGGS FRESH FOOD FRUITS & VEGETABLES

DRINKS & BEVERAGES SUB-CATEGORIES

Soda Wine Beer Liquor Energy Drink Drinking Water

Juice Milk Cider Cocktails Tea Coffee

SODA PRODUCTS

Coke 2-liter Sprite-1.5Liter Pepsi 2 Liter Mountain Dew 2L RC Cola 1L Fanta 6pack can

EXCLUSIVE FOR SILVER & GOLD MEMBERS

VOID

SUBTOTAL \$0.00  
GST(8.00%) \$0.00  
TOTAL \$0.00  
PAYMENT  
CHANGE DUE \$0.00

FEATURE, FIX OR FOCUS



*Excel For Freelancers*

Watch Me Build A Point Of  
Sale Application In A  
Userform – FROM SCRATCH.



[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.

Get free content, training, and downloads just by clicking any of the free resources below:



[WEBSITE](#)



[YOUTUBE](#)



[FACEBOOK](#)



[TWITTER](#)



[DISCORD](#)



[INSTAGRAM](#)



[TELEGRAM](#)



[RUMBLE](#)



Microsoft®  
Most Valuable  
Professional



# OUR COURSES & PRODUCTS



This comprehensive program will take you through a 12-phase process that will turn your enthusiasm for Excel into passive income.

[Click here to learn more](#)



16 hour masterclass that will teach you the tips, tricks and techniques on how to create a dynamic single-click dashboard, and a ton more

[Click here to learn more](#)

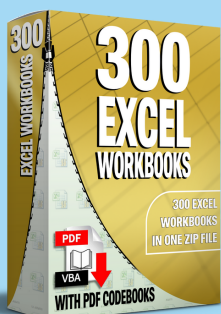
-



This incredible 13-hour freelancer masterclass will teach anyone how to be a successful freelancer with my proven 9-Phase 'Financial Freedom Roadmap' and includes 30+ downloads and exercises.

[Click here to learn more](#)

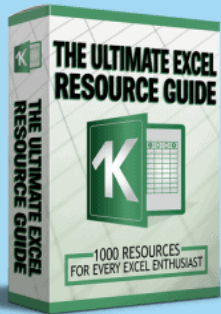
-



Incredible Package of 300 of my BEST Applications with PDF VBA Codebooks packed into a SINGLE ZIP File which also includes the "300 Workbook Library".

[Click here to learn more](#)

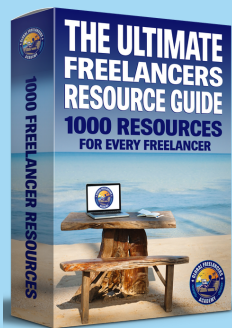
# OUR COURSES & PRODUCTS



With 1000 live links, continuously updating content, sort-able and filterable items, you will always have exactly what you need, when you need it.

[Click here to learn more](#)

-



Freelancing essentials from freelance tools to freelance templates, in this Ultimate Freelancer's Resource Guide for freelancers at any stage in their career. With 1,000 Live Links, and a single click-to-update application, you will always have the most current and up-to-date information at your fingertips.

[Click here to learn more](#)

-



Revolutionize the way you work with Excel and take productivity to the next level with the Excel AI Toolpack - the FIRST AI tool designed for ANY Windows Desktop version of Excel. This incredible add-in combines FIVE powerful AI tools, transforming your Excel into an intelligent powerhouse!

[Click here to learn more](#)

Projects.....	3
VBAProject.....	3
Documents.....	3
Admin.....	3
(Declarations).....	3
OrderDB.....	4
(Declarations).....	4
OrderItemsDB.....	5
(Declarations).....	5
POS.....	6
(Declarations).....	6
ProdDB.....	7
(Declarations).....	7
Worksheet_SelectionChange [Sub ].....	7
ThisWorkbook.....	8
(Declarations).....	8
Forms.....	9
NumberPad.....	9
(Declarations).....	9
Backspace_Click [Sub ].....	9
Numb0_Click [Sub ].....	9
Numb1_Click [Sub ].....	9
Numb2_Click [Sub ].....	9
Numb3_Click [Sub ].....	9
Numb4_Click [Sub ].....	9
Numb5_Click [Sub ].....	9
Numb6_Click [Sub ].....	9
Numb7_Click [Sub ].....	9
Numb8_Click [Sub ].....	9
Numb9_Click [Sub ].....	9
NumberPadButtonClick_Click [Sub ].....	9
Period_Click [Sub ].....	10
UserForm_Click [Sub ].....	10
POSFrm.....	11
(Declarations).....	11
AddNewBtn_MouseDown [Sub ].....	11
BankPmnt_MouseDown [Sub ].....	11
CashPmnt_MouseDown [Sub ].....	11
Category1_MouseDown [Sub ].....	11
Category2_MouseDown [Sub ].....	11
Category3_MouseDown [Sub ].....	11
Category4_MouseDown [Sub ].....	11
Category5_MouseDown [Sub ].....	11
Category6_MouseDown [Sub ].....	11
CreditCardPmnt_MouseDown [Sub ].....	11
Image2_BeforeDragOver [Sub ].....	11
Image2_Error [Sub ].....	12
KeypadPic_MouseDown [Sub ].....	12
NextSaleBtn_MouseDown [Sub ].....	12
OrderItems_Click [Sub ].....	12
PmntAmnt_AfterUpdate [Sub ].....	12
PmntAmnt_Change [Sub ].....	12
PrevSaleBtn_MouseDown [Sub ].....	12
PrintBtn_MouseDown [Sub ].....	12
ProdNameFld_AfterUpdate [Sub ].....	12
ProdSKUfld_Enter [Sub ].....	13
ProdSKUfld_Exit [Sub ].....	13
Product1_MouseDown [Sub ].....	13
Product10_MouseDown [Sub ].....	13
Product11_MouseDown [Sub ].....	13
Product12_MouseDown [Sub ].....	13
Product13_MouseDown [Sub ].....	13
Product14_MouseDown [Sub ].....	13
Product15_MouseDown [Sub ].....	13
Product16_MouseDown [Sub ].....	13
Product17_MouseDown [Sub ].....	14

Product18_MouseDown [Sub ] .....	14
Product2_MouseDown [Sub ] .....	14
Product3_MouseDown [Sub ] .....	14
Product4_MouseDown [Sub ] .....	14
Product5_MouseDown [Sub ] .....	14
Product6_MouseDown [Sub ] .....	14
Product7_MouseDown [Sub ] .....	14
Product8_MouseDown [Sub ] .....	14
Product9_MouseDown [Sub ] .....	14
RemoveItemBtn_MouseDown [Sub ] .....	14
SearchRcptFld_AfterUpdate [Sub ] .....	15
SearchRcptFld_Enter [Sub ] .....	15
SubCat1_MouseDown [Sub ] .....	15
SubCat10_MouseDown [Sub ] .....	15
SubCat11_MouseDown [Sub ] .....	15
SubCat12_MouseDown [Sub ] .....	15
SubCat2_MouseDown [Sub ] .....	15
SubCat3_MouseDown [Sub ] .....	16
SubCat4_MouseDown [Sub ] .....	16
SubCat5_MouseDown [Sub ] .....	16
SubCat6_MouseDown [Sub ] .....	16
SubCat7_MouseDown [Sub ] .....	16
SubCat8_MouseDown [Sub ] .....	16
SubCat9_MouseDown [Sub ] .....	16
UserForm_Error [Sub ] .....	16
UserForm_Initialize [Sub ] .....	16
VoidBtn_MouseDown [Sub ] .....	17
Modules .....	18
Cat_SubCat_Macros .....	18
(Declarations) .....	18
Category_Select [Sub ] .....	18
CheckPicFolder [Sub ] .....	18
Load_Categories [Sub ] .....	18
Product_Select [Sub ] .....	19
ShowPOS [Sub ] .....	20
SubCategory_Select [Sub ] .....	20
Order_macros .....	22
(Declarations) .....	22
NextOrder [Sub ] .....	22
NumberPadShow [Sub ] .....	22
Order_AddNew [Sub ] .....	22
Order_Load [Sub ] .....	22
Order_Print [Sub ] .....	23
Order_SaveUpdate [Sub ] .....	24
Order_SetFooter [Sub ] .....	24
Order_Void [Sub ] .....	25
PrevOrder [Sub ] .....	25
PictureMacros .....	26
(Declarations) .....	26
BrowseForProdPicFolder [Sub ] .....	26
GetPictures [Sub ] .....	26
GetProductPicture [Sub ] .....	26

---

1	Option Explicit
2	

1 Option Explicit

2



---

1	Option Explicit
2	

1 Option Explicit

2

```
1 Option Explicit
2
3 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
4     If Target.CountLarge > 1 Then Exit Sub
5     If Not Intersect(Target, Range("A4:F999" )) Is Nothing And Range("A" & Target.Row).
6         Value <> Empty Then
7         Range("H2" ).Value = Target.Row
8     Else
9         Range("H2" ).ClearContents
10    End If
11 End Sub
```

1 Option Explicit

2

```

1  Option Explicit
2
3
4
5  Private Sub Backspace_Click()
6      NumberPadButtonClick_Click
7  End Sub
8
9  Private Sub Numb0_Click()
10     NumberPadButtonClick_Click
11 End Sub
12
13 Private Sub Numb1_Click()
14     NumberPadButtonClick_Click
15 End Sub
16
17 Private Sub Numb2_Click()
18     NumberPadButtonClick_Click
19 End Sub
20
21 Private Sub Numb3_Click()
22     NumberPadButtonClick_Click
23 End Sub
24
25 Private Sub Numb4_Click()
26     NumberPadButtonClick_Click
27 End Sub
28
29 Private Sub Numb5_Click()
30     NumberPadButtonClick_Click
31 End Sub
32
33 Private Sub Numb6_Click()
34     NumberPadButtonClick_Click
35 End Sub
36
37 Private Sub Numb7_Click()
38     NumberPadButtonClick_Click
39 End Sub
40
41
42 Private Sub Numb8_Click()
43     NumberPadButtonClick_Click
44 End Sub
45
46 Private Sub Numb9_Click()
47     NumberPadButtonClick_Click
48 End Sub
49 Private Sub NumberPadButtonClick_Click()
50     Dim ClickedButton As MSForms.CommandButton
51     Dim BtnName As String, Numb As String
52     Dim PmntVal As String
53     Dim DecPos As Long
54     BtnName = Me.ActiveControl.Name 'Set Button Name
55     PmntVal = Trim(POSfrm.PmntAmnt.Value) 'Set Payment Value
56     Select Case True
57     Case BtnName Like "Numb*"
58         Numb = Replace(BtnName, "Numb" , "" )
59         If InStr(PmntVal, "." ) > 0 Then 'Limit numbers past decimal to 2
60             DecPos = InStr(PmntVal, "." ) - 1

```

1 2 3

```
1 2 3
61 If Len(PmntVal) - DecPos > 2 Then
62     MsgBox "Limit of 2 numbers after the decimal"
63     Exit Sub
64 End If
65 End If
66     POSFrm.PmntAmt.Value = PmntVal & Numb
67 } Case BtnName Like "Period"
68     If InStr(PmntVal, "." ) > 0 Then Exit Sub 'Exit on Existing decimal
69     POSFrm.PmntAmt.Value = PmntVal & "."
70 } Case BtnName Like "Backspace"
71     POSFrm.PmntAmt.Value = Left(PmntVal, Len(PmntVal) - 1)
72 End Select
73 End Sub
74
75 Private Sub Period_Click()
76     NumberPadButtonClick_Click
77 End Sub
78
79 Private Sub UserForm_Click()
80     NumberPadButtonClick_Click
81 End Sub
```

```
1 Option Explicit
2
3
4
5 Private Sub AddNewBtn_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
6     Order_AddNew 'Run Macro to Add new Order
7 End Sub
8
9 Private Sub BankPmnt_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
10    Me.PmntTypeFld.Caption = "Bank Payment"
11 End Sub
12
13 Private Sub CashPmnt_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
14    Me.PmntTypeFld.Caption = "Cash"
15 End Sub
16
17
18
19 Private Sub Category1_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
20    Category_Select (1)
21 End Sub
22
23 Private Sub Category2_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
24    Category_Select (2)
25 End Sub
26
27 Private Sub Category3_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
28    Category_Select (3)
29 End Sub
30
31 Private Sub Category4_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
32    Category_Select (4)
33 End Sub
34
35 Private Sub Category5_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
36    Category_Select (5)
37 End Sub
38
39 Private Sub Category6_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
40    Category_Select (6)
41 End Sub
42
43 Private Sub CreditCardPmnt_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As Single, ByVal Y As Single)
44    Me.PmntTypeFld.Caption = "Credit Card"
45 End Sub
46
47
48
49
50
```

```

51 Private Sub Image2_BeforeDragOver(ByVal Cancel As MSForms.ReturnBoolean, ByVal Data As
MSForms.DataObject, ByVal X As Single, ByVal Y As Single, ByVal DragState As MSForms.
fmDragState, ByVal Effect As MSForms.ReturnEffect, ByVal Shift As Integer)
52
53 End Sub
54
55 Private Sub Image2_Error(ByVal Number As Integer, ByVal Description As MSForms.
ReturnString, ByVal SCode As Long, ByVal Source As String, ByVal HelpFile As String,
ByVal HelpContext As Long, ByVal CancelDisplay As MSForms.ReturnBoolean)
56     NumberPad.Show
57 End Sub
58
59
60 Private Sub KeypadPic_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
X As Single, ByVal Y As Single)
61     NumberPad.Show
62 End Sub
63
64 Private Sub NextSaleBtn_MouseDown(ByVal Button As Integer, ByVal Shift As Integer,
ByVal X As Single, ByVal Y As Single)
65     NextOrder
66 End Sub
67
68 Private Sub OrderItems_Click()
69     Dim ItemRow As Long
70     ItemRow = Me.OrderItems.ListIndex
71     Me.RemoveItemBtn.Visible = True
72 End Sub
73
74 Private Sub PmntAmnt_AfterUpdate()
75     POS.Range("B13").Value = Me.PmntAmnt.Value 'Set Payment Amount
76     Me.PmntAmnt.Value = Format(Me.PmntAmnt.Value, "$#,##0.00")
77     Me.PaymentFld.Caption = Format(POS.Range("B13").Value, "$#,##0.00")
78     Me.ChangeFld.Caption = Format(POS.Range("B14").Value, "$#,##0.00")
79 End Sub
80
81
82
83 Private Sub PmntAmnt_Change()
84     On Error Resume Next
85     POS.Range("B13").Value = Me.PmntAmnt.Value 'Set Payment Amount
86     'Me.PmntAmnt.Value = Format(Me.PmntAmnt.Value, "$#,##0.00")
87     Me.PaymentFld.Caption = Format(POS.Range("B13").Value, "$#,##0.00")
88     Me.ChangeFld.Caption = Format(POS.Range("B14").Value, "$#,##0.00")
89     On Error GoTo 0
90 End Sub
91
92 Private Sub PrevSaleBtn_MouseDown(ByVal Button As Integer, ByVal Shift As Integer,
ByVal X As Single, ByVal Y As Single)
93     PrevOrder
94 End Sub
95
96 Private Sub PrintBtn_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
As Single, ByVal Y As Single)
97     Order_Print
98 End Sub
99
100
101
102 Private Sub ProdNameFld_AfterUpdate()
1

```



```

1
103 If Me.ProdNameFld.Value = Empty Then Exit Sub
104 Dim ProdName As String
105 ProdName = Me.ProdNameFld.Value
106 Product_Select , , ProdName
107 Me.ProdNameFld.Value = ""
108 SendKeys "+{TAB}" , True 'Move Back 1 Field
109 End Sub
110
111
112 Private Sub ProdSKUfld_Enter()
113 Me.ProdSKUfld.Value = "" 'Clear Field on Entry
114 End Sub
115
116 Private Sub ProdSKUfld_Exit(ByVal Cancel As MSForms.ReturnBoolean)
117 If Me.ProdSKUfld.Value = Empty Then Exit Sub
118 Dim ProdSKU As String
119 ProdSKU = Me.ProdSKUfld.Value 'Product SKU
120 Product_Select , ProdSKU
121 Me.ProdSKUfld.Value = ""
122 Me.ProdSKUfld.SetFocus
123 SendKeys "+{TAB}" , True 'Move Back 1 Field
124 End Sub
125
126 '''PRODUCT SELECTIONS
127 Private Sub Product1_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
128 As Single, ByVal Y As Single)
129 Product_Select (1)
130 End Sub
131
132 Private Sub Product10_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
133 X As Single, ByVal Y As Single)
134 Product_Select (10)
135 End Sub
136
137 Private Sub Product11_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
138 X As Single, ByVal Y As Single)
139 Product_Select (11)
140 End Sub
141
142 Private Sub Product12_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
143 X As Single, ByVal Y As Single)
144 Product_Select (12)
145 End Sub
146
147 Private Sub Product13_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
148 X As Single, ByVal Y As Single)
149 Product_Select (13)
150 End Sub
151
152 Private Sub Product14_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
153 X As Single, ByVal Y As Single)
154 Product_Select (14)
155 End Sub
156
157 Private Sub Product15_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
158 X As Single, ByVal Y As Single)
159 Product_Select (15)
160 End Sub
161
162 Private Sub Product16_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
163 X As Single, ByVal Y As Single)
164 Product_Select (16)
165 End Sub
1

```

```

1
156     X As Single, ByVal Y As Single)
157     Product_Select (16)
158     End Sub
159     Private Sub Product17_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
160     X As Single, ByVal Y As Single)
161     Product_Select (17)
162     End Sub
163     Private Sub Product18_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal
164     X As Single, ByVal Y As Single)
165     Product_Select (18)
166     End Sub
167     Private Sub Product2_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
168     As Single, ByVal Y As Single)
169     Product_Select (2)
170     End Sub
171     Private Sub Product3_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
172     As Single, ByVal Y As Single)
173     Product_Select (3)
174     End Sub
175     Private Sub Product4_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
176     As Single, ByVal Y As Single)
177     Product_Select (4)
178     End Sub
179     Private Sub Product5_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
180     As Single, ByVal Y As Single)
181     Product_Select (5)
182     End Sub
183     Private Sub Product6_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
184     As Single, ByVal Y As Single)
185     Product_Select (6)
186     End Sub
187     Private Sub Product7_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
188     As Single, ByVal Y As Single)
189     Product_Select (7)
190     End Sub
191     Private Sub Product8_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
192     As Single, ByVal Y As Single)
193     Product_Select (8)
194     End Sub
195     Private Sub Product9_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
196     As Single, ByVal Y As Single)
197     Product_Select (9)
198     End Sub
199     Private Sub RemoveItemBtn_MouseDown(ByVal Button As Integer, ByVal Shift As Integer,
200     ByVal X As Single, ByVal Y As Single)
201     Dim ItemNum As Long, ItemRow As Long, ItemDBRow As Long, LastItemRow As Long,
202     OrderItemRow As Long, OrdItemDBRow As Long
203     If Me.OrderItems.ListIndex = -1 Then Exit Sub 'Exit on No item Selection
204     ItemNum = Me.OrderItems.ListIndex
205
1

```

```

1
203 LastItemRow = POS.Range("D9999" ).End(xlUp).Row
204 ItemRow = ItemNumb + 6
205 ItemDBRow = POS.Range("C" & ItemRow).Value 'Item DB Row
206 If ItemRow = LastItemRow Then GoTo SkipMoveItems
207 For OrderItemRow = ItemRow + 1 To LastItemRow
208     If POS.Range("C" & OrderItemRow).Value <> "" Then 'Update Order Row in Item DB
209         OrdItemDBRow = POS.Range("C" & OrderItemRow).Value 'Order Item DB Row
210         OrderItemsDB.Range("G" & OrdItemDBRow).Value = OrderItemsDB.Range("G" &
211         OrdItemDBRow).Value - 1 'Reduct Item Row By 1
212         POS.Range("C" & OrderItemRow).Value = POS.Range("C" & OrderItemRow).Value -
213         1 'Reduce DB Row by 1 if after item to be deleted
214     End If
215 Next OrderItemRow
216 POS.Range("C" & ItemRow & ":G" & LastItemRow - 1).Value = POS.Range("C" & ItemRow
217     + 1 & ":G" & LastItemRow).Value
218 SkipMoveItems:
219 If ItemDBRow <> 0 Then OrderItemsDB.Range(ItemDBRow & ":" & ItemDBRow).EntireRow.
220 Delete 'Delete DB Row
221 End Sub
222
223 Private Sub SearchRcptFld_AfterUpdate()
224     If Me.SearchRcptFld.Value = "" Then Exit Sub
225     POS.Range("B3" ).Value = Me.SearchRcptFld.Value
226     Order_Load 'Run Macro to load order
227     Me.SearchRcptFld.Value = "" 'Clear Search Form
228 End Sub
229
230
231 Private Sub SearchRcptFld_Enter()
232     Me.SearchRcptFld.Value = "" 'Clear Field on Entry
233 End Sub
234
235
236 '''SUB-CATEGORY SELECTIONS
237 Private Sub SubCat1_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
238     As Single, ByVal Y As Single)
239     SubCategory_Select (1)
240 End Sub
241
242 Private Sub SubCat10_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
243     As Single, ByVal Y As Single)
244     SubCategory_Select (10)
245 End Sub
246
247 Private Sub SubCat11_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
248     As Single, ByVal Y As Single)
249     SubCategory_Select (11)
250 End Sub
251
252 Private Sub SubCat12_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
253     As Single, ByVal Y As Single)
254     SubCategory_Select (12)
255 End Sub

```

```

254 Private Sub SubCat2_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
255     SubCategory_Select (2)
256 End Sub
257
258 Private Sub SubCat3_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
259     SubCategory_Select (3)
260 End Sub
261
262 Private Sub SubCat4_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
263     SubCategory_Select (4)
264 End Sub
265
266 Private Sub SubCat5_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
267     SubCategory_Select (5)
268 End Sub
269
270 Private Sub SubCat6_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
271     SubCategory_Select (6)
272 End Sub
273
274 Private Sub SubCat7_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
275     SubCategory_Select (7)
276 End Sub
277
278 Private Sub SubCat8_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
279     SubCategory_Select (8)
280 End Sub
281
282 Private Sub SubCat9_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
283     SubCategory_Select (9)
284 End Sub
285
286 Private Sub UserForm_Error(ByVal Number As Integer, ByVal Description As MSForms.
    ReturnString, ByVal SCode As Long, ByVal Source As String, ByVal HelpFile As String,
    ByVal HelpContext As Long, ByVal CancelDisplay As MSForms.ReturnBoolean)
287     Unload Me
288 End Sub
289
290 Private Sub UserForm_Initialize()
291     On Error Resume Next
292     Load_Categories
293     With Me
294         .RemoveItemBtn.Visible = False 'Hide Clear Row Button
295         .OrderItems.ListIndex = -1
296         .SalesStaffLbl.Caption = [SalesStaff] 'Set Sales Staff
297         .TaxLbl.Caption = UCase([TaxName]) & "(" & Format([TaxRate], "#.00%") & ")"
            'Set Tax Label
298         .SubCatLbl.Caption = "PRODUCT SUB-CATEGORIES"
299         .ProdLbl.Caption = "PRODUCTS"
300         .PmntTypeFld.Caption = [DefPayType] 'Set default pay typ
301         .SubtotalFld.Caption = Format([Subtotal], "$#,##0.00" )
302         .TaxFld.Caption = Format([Tax], "$#,##0.00" )
    
```

1 2

```
1 2
303 .TotalFld.Caption = Format([Total], "$#,##0.00" )
304 .PmntTypeFld.Caption = Format(POS.Range("B13" ).Value, "$#,##0.00" ) 'Set
    Payment Field
305 .PmntAmt.Value = Format(POS.Range("B13" ).Value, "$#,##0.00" ) 'Set Payment
    Field
306 .ChangeFld.Caption = Format(POS.Range("B14" ).Value, "$#,##0.00" )
307 .OrderIDFld.Caption = POS.Range("B3" ).Value 'Update Order ID
308 If POS.Range("E4" ).Value = "VOID" Then Me.VoidImg.Visible = True Else Me.
    VoidImg.Visible = False
309 .MonthSalesLbl.Caption = [CurMonthSales] 'Update Current Month Sales Label
310 .YearSalesLbl.Caption = [CurYearSales] 'Update Current Year Sales Label
311 End With
312 End Sub
313
314
315 Private Sub VoidBtn_MouseDown(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
    As Single, ByVal Y As Single)
316     Order_Void
317 End Sub
```

```

1 Option Explicit
2 Dim LastRow As Long, LastResultRow As Long
3 Dim CatName As String, PicPath As String, PicFolder As String, SubCatName As String
4 Dim ProdName As String, ProdSKU As String
5
6
7
8 Sub Category_Select(CatNumb As Long)
9     'Load Subcategories On category Select
10    Dim LblCont As Control
11    Dim SubCatPic As Control, ProdPic As Control
12    Dim SubCatRow As Long, LastSubCatRow As Long, SubCatNumb As Long
13    With ProdDB
14        CheckPicFolder 'Run Macro To Check Picture Folder
15        LastRow = .Range("A99999").End(xlUp).Row
16        If LastRow < 4 Then Exit Sub
17        CatName = .Range("J" & CatNumb + 2).Value 'Set Sub-Category Name
18        .Range("L3").Value = CatName 'Set Category Criteria
19        POSFrm.SubCatLbl.Caption = UCase(CatName) & " SUB-CATEGORIES"
20        .Range("C3:D" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
21            "L2:L3"), CopyToRange:=.Range("N2"), Unique:=True
22        LastSubCatRow = .Range("N99999").End(xlUp).Row
23        'Clear Existing Sub Category & Product Pictures
24        For SubCatNumb = 1 To 12
25            Set SubCatPic = POSFrm.Controls("SubCat" & SubCatNumb)
26            Set ProdPic = POSFrm.Controls("Product" & SubCatNumb)
27        Next SubCatNumb
28        If LastSubCatRow < 3 Then Exit Sub
29        For SubCatRow = 3 To LastSubCatRow
30            SubCatName = .Range("N" & SubCatRow).Value
31            PicPath = [ProductPicFolder] & "\" & SubCatName & ".jpg"
32            Set SubCatPic = POSFrm.Controls("SubCat" & SubCatRow - 2)
33            SubCatPic.ControlTipText = Replace(SubCatName, "&", "&&") 'Sub Category
34            If Dir(PicPath, vbDirectory) <> "" Then SubCatPic.Picture = LoadPicture(
35                PicPath) Else SubCatPic.Picture = Nothing
36            Set LblCont = POSFrm.Controls("SubCatLb" & SubCatRow - 2)
37            LblCont.Caption = Replace(SubCatName, "&", "&&") 'Add Subcategory Name
38            NextSubCat:
39        Next SubCatRow
40    End With
41 End Sub
42
43 Sub CheckPicFolder()
44     If [ProductPicFolder] = "" Then
45         MsgBox "Please make sure to set a picture folder in the Admin screen"
46         BrowseForProdPicFolder
47         If [ProductPicFolder] = "" Then End
48     End If
49     If Dir([ProductPicFolder], vbDirectory) = "" Then
50         MsgBox "Please make sure to set a picture folder in the Admin screen"
51         BrowseForProdPicFolder
52         If [ProductPicFolder] = "" Or Dir([ProductPicFolder], vbDirectory) = "" Then
53             End
54         End If
55     End Sub
56
57 Sub Load_Categories()
58     Dim CatRow As Long, LastCatRow As Long
59     Dim CatPic As Control
60     'Get Unique Categories
61     With ProdDB

```

```

1 2
58 CheckPicFolder 'Run Macro To Check Picture Folder
59 LastRow = .Range("A99999").End(xlUp).Row
60 If LastRow < 4 Then Exit Sub
61 On Error Resume Next
62 .Names("Criteria").Delete
63 On Error GoTo 0
64 .Range("C3:C" & LastRow).AdvancedFilter xlFilterCopy, CopyToRange:=.Range("J2")
, Unique:=True
65 LastCatRow = .Range("J99999").End(xlUp).Row
66 If LastCatRow < 3 Then Exit Sub
67 For CatRow = 3 To LastCatRow
68     CatName = .Range("J" & CatRow).Value
69     PicPath = [ProductPicFolder] & "\" & CatName & ".jpg"
70     If Dir(PicPath, vbDirectory) = "" Then GoTo NextCat
71     Set CatPic = POSFrm.Controls("Category" & CatRow - 2)
72     CatPic.Picture = LoadPicture(PicPath)
73     CatPic.ControlTipText = Replace(CatName, "&" , "&&" )
74     Set CatPic = Nothing 'Clear Object
75     NextCat:
76 Next CatRow
77 End With
78 End Sub
79
80 Sub Product_Select(Optional ProdNum As Long, Optional ProdSKU As String, Optional
ProdName As String)
81     Dim ItemRow As Long, ProdRow As Long
82     If ProdNum <> 0 Then 'On Select Item Picture Button
83         ProdSKU = ProdDB.Range("R" & ProdNum + 2).Value 'Product SKU
84         ProdName = ProdDB.Range("S" & ProdNum + 2).Value 'Product Name
85         On Error Resume Next
86         ProdRow = ProdDB.Range("Prod_SKU").Find(ProdSKU, , xlValues, xlWhole).Row
87         On Error GoTo 0
88         If ProdRow = 0 Then
89             MsgBox "Please select a correct product to load"
90             Exit Sub
91         End If
92     ElseIf ProdSKU <> Empty Then 'On SKU/UPC Enter
93         On Error Resume Next
94         ProdRow = ProdDB.Range("Prod_SKU").Find(ProdSKU, , xlValues, xlWhole).Row
95         On Error GoTo 0
96         If ProdRow = 0 Then
97             MsgBox "Please select a correct product to load"
98             Exit Sub
99         End If
100         ProdName = ProdDB.Range("B" & ProdRow).Value 'Product Name
101     ElseIf ProdName <> Empty Then 'On Prod Name Entry
102         On Error Resume Next
103         ProdRow = ProdDB.Range("Prod_Name").Find(ProdName, , xlValues, xlWhole).Row
104         On Error GoTo 0
105         If ProdRow = 0 Then
106             MsgBox "Please select a correct product to load"
107             Exit Sub
108         End If
109         ProdSKU = ProdDB.Range("A" & ProdRow).Value 'Product SKU
110     End If
111     'Final Check Of Product Row
112     If ProdRow = 0 Then
113         MsgBox "Please select a correct product to load"
114         Exit Sub
115     End If

```

1



```

1
116
117 With POS
118 On Error Resume Next
119 ItemRow = POS.Range("E6:E999").Find(ProdSKU, , xlValues, xlWhole).Row 'Look for
existing Product in bill
120 On Error GoTo 0
121 If ItemRow <> 0 Then 'Product Exists in List already (update qty)
122 .Range("F" & ItemRow).Value = .Range("F" & ItemRow).Value + 1 'Update Qty
123 Else 'Item Not Found, add to bottom
124 ItemRow = .Range("E99999").End(xlUp).Row + 1 'First Available Row
125 .Range("D" & ItemRow).Value = ProdName 'Set Product Name
126 .Range("E" & ItemRow).Value = ProdSKU 'Set Product SKU/UPC
127 .Range("F" & ItemRow).Value = 1 'Set Qty To 1
128 .Range("G" & ItemRow).Value = ProdDB.Range("E" & ProdRow).Value 'Set Price
129 Order_SetFooter 'Run Macro To Update Footer
130 End If
131 'Update Fields & Data
132 With POSFrm
133 .OrderItems.RowSource = "ItemsRange" 'Update items Range
134 .SubtotalFld.Caption = Format([Subtotal], "$#,##0.00") 'Update Subtotal
135 .TaxFld.Caption = Format([Tax], "$#,##0.00") 'Update Tax Value
136 .TotalFld.Caption = Format([Total], "$#,##0.00") 'Update Total Field
137 .PaymentFld.Caption = Format([Payment], "$#,##0.00") 'Update Payment Amount
138 .ChangeFld.Caption = Format([Change], "$#,##0.00") 'Update Change Field
139 End With
140 End With
141 End Sub
142
143
144 Sub ShowPOS()
145 POSFrm.Show
146 End Sub
147
148
149 Sub SubCategory_Select(SubCatNumb As Long)
150 'Load Products On Sub Category Select
151 Dim LblCont As Control, ProdPic As Control
152 Dim ProdRow As Long, LastProdRow As Long, ProdNumb As Long
153 Application.ScreenUpdating = False
154 Application.EnableEvents = False
155 With ProdDB
156 CheckPicFolder 'Run Macro To Check Picture Folder
157 LastRow = .Range("A99999").End(xlUp).Row
158 If LastRow < 4 Then GoTo NoData
159 SubCatName = .Range("N" & SubCatNumb + 2).Value 'Sub Category Name
160 .Range("P3").Value = SubCatName 'Set Product Criteria
161 POSFrm.ProdLbl.Caption = UCase(SubCatName) & " PRODUCTS" 'Update Product Label
162 .Range("A3:F" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
"P2:P3"), CopyToRange:=.Range("R2:T2"), Unique:=True
163 LastProdRow = .Range("R99999").End(xlUp).Row
164 'Clear Existing Product Pictures
165 For ProdNumb = 1 To 18
166 Set ProdPic = POSFrm.Controls("Product" & ProdNumb)
167 ProdPic.Picture = Nothing
168 Set LblCont = POSFrm.Controls("ProdLb" & ProdNumb)
169 LblCont.Caption = ""
170 Next ProdNumb
171 If LastProdRow < 3 Then GoTo NoData
172 If LastProdRow > 21 Then LastProdRow = 21 'Set Max Product to 18
173 For ProdRow = 3 To LastProdRow

```

1 2 3



```
174     ProdSKU = .Range("R" & ProdRow).Value 'Product SKU/UPC
175     ProdName = .Range("S" & ProdRow).Value 'Product Name
176     PicPath = [ProductPicFolder] & "\" & .Range("T" & ProdRow).Value 'Product
        Picture File Path
177     Set ProdPic = POSFrm.Controls("Product" & ProdRow - 2)
178     ProdPic.ControlTipText = ProdSKU 'Product SKU/UPC
179     If Dir(PicPath, vbDirectory) <> "" Then ProdPic.Picture = LoadPicture(PicPath
        ) Else ProdPic.Picture = Nothing
180     Set LblCont = POSFrm.Controls("ProdLb" & ProdRow - 2)
181     LblCont.Caption = Replace(ProdName, "&" , "&&" ) 'Aet Product Name Name
182     Set ProdPic = Nothing 'Clear Object
183     Set LblCont = Nothing 'Clear Object
184     NextSubCat:
185     Next ProdRow
186     Set ProdPic = Nothing 'Clear Object
187     Set LblCont = Nothing 'Clear Object
188     NoData:
189     Application.ScreenUpdating = True
190     Application.EnableEvents = True
191 End With
192 End Sub
```

```

1 Option Explicit
2 Dim ItemRow As Long, LastItemRow As Long, ProdNumb As Long, LastRow As Long, ItemDBRow,
   LastItemDBRow As Long, LastResultRow As Long
3 Dim ResultRow As Long, OrdRow As Long, OrdID As Long
4
5 Sub NextOrder()
6     With POS
7         If .Range("D99999").End(xlUp).Row > 5 Then Order_SaveUpdate 'Save if items
           have been added
8         OrdID = .Range("B3").Value
9         If .Range("B4").Value = Empty Then
10            MsgBox "You are at the last order"
11            Exit Sub
12        End If
13
14        OrdRow = .Range("B4").Value
15        If Application.WorksheetFunction.Max([Ord_ID]) <= OrdID Or OrderDB.Range("A" &
           OrdRow + 1).Value = "" Then
16            MsgBox "You are at the last order"
17            Exit Sub
18        End If
19        .Range("B3").Value = OrderDB.Range("A" & OrdRow + 1).Value 'Set Order ID
20        Order_Load
21    End With
22 End Sub
23
24
25 Sub NumberPadShow()
26     NumberPad.Show
27 End Sub
28
29 Sub Order_AddNew()
30     With POS
31         LastItemRow = .Range("D99999").End(xlUp).Row 'Last Item Row
32         If LastItemRow <> 5 Then Order_SaveUpdate 'Save any existing order
33         .Range("B13,C6:G999").ClearContents 'Payment Amount & Items
34         .Range("B3").Value = .Range("B5").Value 'Set Next Order ID
35     End With
36     With POSFrm
37         .PmntAmnt.Value = "" 'Clear Payment Field
38         .SalesStaffLbl.Caption = [SalesStaff] 'Set Sales Staff
39         .PmntTypeFld.Caption = [DefPayType] 'Set default pay type
40         .SubtotalFld.Caption = [Subtotal]
41         .TaxFld.Caption = [Tax]
42         .TotalFld.Caption = [Total]
43         .PaymentFld.Caption = [Payment]
44         .ChangeFld.Caption = [Change]
45         .OrderIDFld.Caption = POS.Range("B3").Value 'Set Initial order id
46     End With
47
48 End Sub
49
50
51 Sub Order_Load()
52     With POS
53         If .Range("B4").Value = Empty Then
54             'MsgBox "Please enter a correct order to load"
55             Exit Sub
56         End If
57     ' Application.ScreenUpdating = False

```

```

1 2
58     ' Application.EnableEvents = False
59     .Range("B13,C6:G999" ).ClearContents 'Clear Payment Amount & Items
60     OrdRow = .Range("B4" ).Value 'Set Order Row
61     .Range("E4" ).Value = OrderDB.Range("B" & OrdRow).Value 'Date & time
62     POSFrm.SalesStaffLbl.Caption = OrderDB.Range("C" & OrdRow).Value 'Sales Staff
63     POSFrm.PmntTypeFld.Caption = OrderDB.Range("D" & OrdRow).Value 'Payment type
64     .Range("B13" ).Value = OrderDB.Range("F" & OrdRow).Value 'Payment Amount
65     End With
66
67     'Load Items
68     With OrderItemsDB
69         LastRow = .Range("A99999" ).End(xlUp).Row
70         If LastRow < 4 Then GoTo NoItems
71         .Range("A3:H" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
72             "M2:M3" ), CopyToRange:=.Range("P2:U2" ), Unique:=True
73         LastResultRow = .Range("P99999" ).End(xlUp).Row
74         If LastResultRow < 3 Then GoTo NoItems
75         For ResultRow = 3 To LastResultRow
76             ItemRow = .Range("U" & ResultRow).Value
77             POS.Range("C" & ItemRow & ":G" & ItemRow).Value = .Range("P" & ResultRow &
78                 ":T" & ResultRow).Value
79         Next ResultRow
80     End With
81     POS.Calculate
82     Application.ScreenUpdating = True
83     Application.EnableEvents = True
84     'Check for Voided Order
85     If POS.Range("E4" ).Value = "VOID" Then
86         POSFrm.VoidImg.Visible = True 'Show Void Image
87         POSFrm.VoidBtn.Visible = False 'Hide void btn
88     Else
89         POSFrm.VoidImg.Visible = False 'Show/Hide Void
90         POSFrm.VoidBtn.Visible = True 'Show Void Btn
91     End If
92     POSFrm.OrderIDFld.Caption = POS.Range("B3" ).Value 'Update Order ID
93     POSFrm.OrderItems.RowSource = "ItemsRange" 'Update Items List Box
94     POSFrm.SubtotalFld.Caption = Format(POS.Range("B10" ).Value, "$#,##0.00" ) 'Update
95     Subtotal
96     POSFrm.TaxFld.Caption = Format(POS.Range("B11" ).Value, "$#,##0.00" ) 'Update Tax
97     POSFrm.TotalFld.Caption = Format(POS.Range("B12" ).Value, "$#,##0.00" ) 'Update
98     Total
99     POSFrm.PaymentFld.Caption = Format(POS.Range("B13" ).Value, "$#,##0.00" ) 'Update
100    Payment
101    POSFrm.PmntAmnt.Value = Format(POS.Range("B13" ).Value, "$#,##0.00" ) 'Update
102    Payment
103    POSFrm.ChangeFld.Caption = Format(POS.Range("B14" ).Value, "$#,##0.00" ) 'Update
104    Change
105    Order_SetFooter
106 End Sub
107
108 Sub Order_Print()
109     With POS
110         Order_SaveUpdate
111         LastItemRow = .Range("D99999" ).End(xlUp).Row + 7
112         .PageSetup.PrintArea = "$D$1:$H$" & LastItemRow
113         .PrintOut , , , False, True, , , , False
114     End With
115 End Sub

```

```

111
112
113 Sub Order_SaveUpdate()
114     With POS
115         If POS.Range("E4").Value = "VOID" Then Exit Sub 'No saving or updating voided
116             orders
117             LastItemRow = .Range("D99999").End(xlUp).Row 'Last Item Row
118             If LastItemRow < 6 Then
119                 MsgBox "Please make sure to add at least 1 item before saving this order"
120                 Exit Sub
121             End If
122             If .Range("B4").Value = Empty Then 'New Order
123                 OrdRow = OrderDB.Range("A99999").End(xlUp).Row + 1
124                 .Range("B3").Value = .Range("B5").Value 'Set Order ID
125                 OrderDB.Range("A" & OrdRow).Value = .Range("B3").Value
126                 .Range("E4").Value = Now 'Set Current Date & time
127             Else 'Existing Order
128                 OrdRow = .Range("B4").Value 'Existing Order Row
129             End If
130             OrderDB.Range("B" & OrdRow).Value = .Range("E4").Value 'Set Current Date &
131             time
132             OrderDB.Range("C" & OrdRow).Value = [SalesStaff]
133             OrderDB.Range("D" & OrdRow).Value = POSFrm.PmntTypeFld.Caption 'Payment Type
134             OrderDB.Range("E" & OrdRow).Value = .Range("B12").Value 'Order Total
135             OrderDB.Range("F" & OrdRow).Value = .Range("B13").Value 'Payment Amount
136             .Calculate
137             POSFrm.MonthSalesLbl.Caption = [CurMonthSales] 'Update Current Month Sales Label
138             POSFrm.YearSalesLbl.Caption = [CurYearSales] 'Update Current Year Sales Label
139             'Add Update Item Fields
140             For ItemRow = 6 To LastItemRow
141                 If .Range("C" & ItemRow).Value = Empty Then 'New Item
142                     ItemDBRow = OrderItemsDB.Range("A99999").End(xlUp).Row + 1
143                     OrderItemsDB.Range("A" & ItemDBRow).Value = .Range("B3").Value 'Set ID
144                     OrderItemsDB.Range("G" & ItemDBRow).Value = ItemRow 'Set Item Row
145                     OrderItemsDB.Range("H" & ItemDBRow).Value = "=Row()" 'Set DB Row formula
146                     .Range("C" & ItemRow).Value = ItemDBRow
147                 Else 'Prev. Saved Item
148                     ItemDBRow = .Range("C" & ItemRow).Value 'Set Existing Item DB Row
149                 End If
150                 OrderItemsDB.Range("B" & ItemDBRow & ":F" & ItemDBRow).Value = .Range("D" &
151                 ItemRow & ":H" & ItemRow).Value 'Save Item Details
152             Next ItemRow
153         End With
154     End Sub
155
156 Sub Order_SetFooter()
157     With POS
158         LastRow = .Range("E99999").End(xlUp).Row
159         If LastRow < 6 Then LastRow = 6 'Set Min Last Row
160         With .Shapes("FooterGrp")
161             .Left = POS.Range("D1").Left
162             .Top = POS.Range("D" & LastRow + 1).Top
163         End With
164     End With
165 End Sub

```

```

166
167 Sub Order_Void()
168     With POS
169         If MsgBox("Are you sure you want to void this order?" , vbYesNo, "Void Order" ) =
170             vbNo Then Exit Sub
171         If .Range("B4" ).Value = Empty Then
172             Order_AddNew
173             Exit Sub
174         End If
175         OrdRow = .Range("B4" ).Value 'Order Row
176         OrderDB.Range("B" & OrdRow & ",D" & OrdRow).Value = "VOID"
177         OrderDB.Range("E" & OrdRow & ",F" & OrdRow).ClearContents
178     End With
179     'Load Items
180     With OrderItemsDB
181         LastRow = .Range("A99999" ).End(xlUp).Row
182         If LastRow < 4 Then GoTo NoItems
183         .Range("A3:H" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
184             "M2:M3" ), CopyToRange:=.Range("P2:U2" ), Unique:=True
185         LastResultRow = .Range("P99999" ).End(xlUp).Row
186         If LastResultRow < 3 Then GoTo NoItems
187         For ResultRow = 3 To LastResultRow
188             ItemDBRow = .Range("P" & ResultRow).Value 'Item DB Row
189             .Range("D" & ItemDBRow & ":F" & ItemDBRow).Value = 0 'Zero Out Item Qty,
190             Price & total
191         Next ResultRow
192     NoItems:
193     End With
194     Order_Load 'Reload order
195 End Sub
196
197 Sub PrevOrder()
198     With POS
199         If .Range("D99999" ).End(xlUp).Row > 5 Then Order_SaveUpdate 'Save if items
200             have been added
201         If .Range("B4" ).Value = Empty Then
202             .Range("B3" ).Value = OrderDB.Range("A" & OrderDB.Range("A999" ).End(xlUp).
203             Row).Value 'Set Order ID
204         Else
205             OrdID = .Range("B3" ).Value
206             OrdRow = .Range("B4" ).Value
207             If Application.WorksheetFunction.Min([Ord_ID]) = OrdID Or OrdRow = 4 Then
208                 MsgBox "You are at the first order"
209                 Exit Sub
210             End If
211             .Range("B3" ).Value = OrderDB.Range("A" & OrdRow - 1).Value 'Set Order ID
212         End If
213     End With
214     Order_Load
215 End Sub

```

```
1 Option Explicit
2
3 #If VBA7 And Win64 Then
4 Private Declare PtrSafe Function URLDownloadToFile Lib "urlmon" _
5 Alias "URLDownloadToFileA" (ByVal pCaller As Long, _
6 ByVal szURL As String, ByVal szFileName As String, _
7 ByVal dwReserved As LongPtr, ByVal lpfnCB As Long) As Long
8 #Else
9 Private Declare Function URLDownloadToFile Lib "urlmon" _
10 Alias "URLDownloadToFileA" ( _
11 ByVal pCaller As Long, _
12 ByVal szURL As String, _
13 ByVal szFileName As String, _
14 ByVal dwReserved As Long, _
15 ByVal lpfnCB As Long _
16 ) As Long
17 #End If
18
19
20 Sub BrowseForProdPicFolder()
21 Dim BillFolder As FileDialog
22 Set BillFolder = Application.FileDialog(msoFileDialogFolderPicker)
23 With BillFolder
24 .Title = "Browse For Meal Picture Folder"
25 .AllowMultiSelect = False
26 If .Show <> -1 Then GoTo NoSelection
27 Admin.Range("F4" ).Value = .SelectedItems(1)
28 End With
29 NoSelection:
30 End Sub
31
32
33 Sub GetPictures()
34 Dim ProdRow As Long
35 With ProdDB
36 For ProdRow = 645 To 694
37 .Activate
38 .Range("B" & ProdRow).Select
39 GetProductPicture
40 Next ProdRow
41 End With
42 End Sub
43
44 Sub GetProductPicture()
45 Dim FileName As String, PicPath As String, PicURL As String, ProdName As String
46 Dim Prompt As String, SecretKey As String, Model As String, Temp As String, httpBody
47 As String, Response As String
48 Dim ProdRow As Long
49 Dim oXMLHTTP As Object
50 With ProdDB
51 If .Range("H2" ).Value = "" Then
52 MsgBox "Please make sure to select a product in order to generate a picture"
53 Exit Sub
54 End If
55 ProdRow = .Range("H2" ).Value 'Product ROW
56 ProdName = .Range("B" & ProdRow).Value 'Product Name
57 If ProdName = "" Then
58 MsgBox "Please make sure to select a product in order to generate a picture"
59 Exit Sub
60 End If
```

1 2

```

1 2
60
61 If [ProductPicFolder] = "" Then
62     MsgBox "Please make sure to set a picture folder in the Admin screen"
63     BrowseForProdPicFolder
64     If [ProductPicFolder] = "" Then Exit Sub
65 End If
66 If Dir([ProductPicFolder], vbDirectory) = "" Then
67     MsgBox "Please make sure to set a picture folder in the Admin screen"
68     BrowseForProdPicFolder
69     If [ProductPicFolder] = "" Or Dir([ProductPicFolder], vbDirectory) = "" Then
70         Exit Sub
71     End If
72     SecretKey = Admin.Range("K8").Value 'API Key
73     Model = Admin.Range("K9").Value 'Model
74     Temp = Admin.Range("K10").Value 'Temperature
75     If Model = "" Then Model = "text-davinci-003" 'Set Default Model
76     If Temp = "" Then Temp = "0.2" 'Set Default Temp
77     Prompt = ProdName & " with white background"
78     'Set Prompt to meal name
79     Set oXMLHTTP = CreateObject("MSXML2.ServerXMLHTTP")
80     oXMLHTTP.Open "POST", "https://api.openai.com/v1/images/generations", False
81     'Set Open Posts For Text
82     httpBody = "{" & "model" & ": " & "dall-e-3" & ", " & "prompt" & ": " & Prompt & "}"
83     oXMLHTTP.setRequestHeader "Content-Type", "application/json" 'Set Header Type
84     oXMLHTTP.setRequestHeader "Authorization", "Bearer " & SecretKey 'Set Header
85     Authorization
86     Debug.Print httpBody
87     On Error GoTo TimeOut
88     DoEvents
89     oXMLHTTP.send httpBody
90     On Error GoTo 0
91     Response = oXMLHTTP.responseText 'Extract Response
92     If InStr(Response, "You didn't provide an API key") > 0 Then
93         MsgBox "No API Key was added. You can find your API key at " & vbCrLf &
94             "https://platform.openai.com/account/api-keys."
95         Exit Sub
96     End If
97     If InStr(Response, "Incorrect API key provided") > 0 Then
98         MsgBox "Incorrect API key provided. You can find your API key at " & vbCrLf &
99             "https://platform.openai.com/account/api-keys."
100        Exit Sub
101    End If
102    If InStr(Response, "maximum context length") > 0 Then
103        MsgBox "You have reached the maximum content length. Please clear the history
104            above to move forward"
105        Exit Sub
106    End If
107    Debug.Print Response
108    PicURL = Mid(Response, InStr(Response, "url") + 7, InStr(Response, "}") - InStr
109        (Response, "url") - 13)
110    FileName = ProdName & ".jpg" 'Set Unique File Name
111    PicPath = [ProductPicFolder] & "\" & FileName 'Full File Path
112    If Dir(PicPath, vbDirectory) <> "" Then Kill (PicPath) 'Delete any existing
113        picture under the same name
114    URLDownloadToFile 0, PicURL, PicPath, 0, 0
115    .Range("F" & ProdRow).Value = FileName
116
117 Exit Sub

```

1 2

```
112 | 1 2 | TimeOut:  
113 | | MsgBox "The request has timed out or server is busy. Please try again"  
114 | | End With  
115 | | End Sub
```



—  
\_, 26

## A

Activate, 26  
ActiveControl, 9  
AddNewBtn\_MouseDown, 11  
Admin, 26, 27  
AdvancedFilter, 18-20, 23, 25  
AllowMultiSelect, 26  
Application, 20-23, 25, 26

## B

Backspace\_Click, 9  
BankPmnt\_MouseDown, 11  
BillFolder, 26  
BrowseForProdPicFolder, 18, 26, 27  
BtnName, 9, 10  
Button, 11-17

## C

Calculate, 23, 24  
Cancel, 12, 13  
CancelDisplay, 12, 16  
Caption, 11, 12, 16-18, 20-24  
CashPmnt\_MouseDown, 11  
Category\_Select, 11, 18  
Category1\_MouseDown, 11  
Category2\_MouseDown, 11  
Category3\_MouseDown, 11  
Category4\_MouseDown, 11  
Category5\_MouseDown, 11  
Category6\_MouseDown, 11  
CatName, 18, 19  
CatNumb, 18  
CatPic, 18, 19  
CatRow, 18, 19  
Change, 20, 22  
ChangeFld, 12, 17, 20, 22, 23  
CheckPicFolder, 18-20  
ClearContents, 7, 15, 22, 23, 25  
ClickedButton, 9  
CommandButton, 9  
Control, 18, 20  
Controls, 18-21  
ControlTipText, 18, 19, 21  
CopyToRange, 18-20, 23, 25  
CountLarge, 7  
CreateObject, 27  
CreditCardPmnt\_MouseDown, 11  
CriteriaRange, 18, 20, 23, 25  
CurMonthSales, 17, 24  
CurYearSales, 17, 24

## D

Data, 12  
DataObject, 12  
Debug, 27  
DecPos, 9, 10  
DefPayType, 16, 22  
Delete, 15, 19  
Description, 12, 16  
Dir, 18, 19, 21, 27  
DoEvents, 27  
DragState, 12  
dwReserved, 26

## E

Effect, 12

Empty, 7, 13, 19, 22, 24, 25  
EnableEvents, 20, 21, 23  
EntireRow, 15  
Explicit, 3-9, 11, 18, 22, 26

## F

FileDialog, 26  
FileName, 26, 27  
Find, 19, 20  
fmDragState, 12  
Format, 12, 16, 17, 20, 23

## G

GetPictures, 26  
GetProductPicture, 26

## H

HelpContext, 12, 16  
HelpFile, 12, 16  
httpBody, 26, 27

## I

Image2\_BeforeDragOver, 12  
Image2\_Error, 12  
InStr, 9, 10, 27  
Intersect, 7  
ItemDBRow, 14, 15, 22, 24, 25  
ItemNumb, 14, 15  
ItemRow, 12, 14, 15, 19, 20, 22-24

## K

KeypadPic\_MouseDown, 12  
Kill, 27

## L

LastCatRow, 18, 19  
LastItemDBRow, 22  
LastItemRow, 14, 15, 22-24  
LastProdRow, 20  
LastResultRow, 18, 22, 23, 25  
LastRow, 18-20, 22-25  
LastSubCatRow, 18  
LblCont, 18, 20, 21  
Left, 10, 24  
Len, 10  
ListIndex, 12, 14, 16  
Load\_Categories, 16, 18  
LoadPicture, 18, 19, 21  
LongPtr, 26  
lpfnCB, 26

## M

Max, 22  
Mid, 27  
Min, 25  
Model, 26, 27  
MonthSalesLbl, 17, 24  
MSForms, 9, 12, 13, 16  
MsgBox, 10, 18, 19, 22, 24-28  
msoFileDialogFolderPicker, 26

## N

Name, 9  
Names, 19  
NextCat, 19  
NextOrder, 12, 22  
NextSaleBtn\_MouseDown, 12  
NextSubCat, 18, 21  
NoData, 20, 21  
NoItems, 23, 25

NoSelection, 26  
Now, 24  
Numb, 9, 10  
Numb0\_Click, 9  
Numb1\_Click, 9  
Numb2\_Click, 9  
Numb3\_Click, 9  
Numb4\_Click, 9  
Numb5\_Click, 9  
Numb6\_Click, 9  
Numb7\_Click, 9  
Numb8\_Click, 9  
Numb9\_Click, 9  
Number, 12, 16  
NumberPad, 12, 22  
NumberPadButton\_Click, 9, 10  
NumberPadShow, 22

## O

Open, 27  
Ord\_ID, 22, 25  
Order\_AddNew, 11, 22, 25  
Order\_Load, 15, 22, 25  
Order\_Print, 12, 23  
Order\_SaveUpdate, 22-25  
Order\_SetFooter, 15, 20, 23, 24  
Order\_Void, 17, 25  
OrderDB, 22-25  
OrderIDFld, 17, 22, 23  
OrderItemRow, 14, 15  
OrderItems, 12, 14, 16, 20, 23  
OrderItems\_Click, 12  
OrderItemsDB, 15, 23-25  
OrdID, 22, 25  
OrdItemDBRow, 14, 15  
OrdRow, 22-25  
oXMLHTTP, 26, 27

## P

PageSetup, 23  
Payment, 20, 22  
PaymentFld, 12, 20, 22, 23  
pCaller, 26  
Period\_Click, 10  
PicFolder, 18  
PicPath, 18, 19, 21, 26, 27  
Picture, 18-21  
PicURL, 26, 27  
PmntAmnt, 9, 10, 12, 17, 22, 23  
PmntAmnt\_AfterUpdate, 12  
PmntAmnt\_Change, 12  
PmntTypeFld, 11, 16, 17, 22-24  
PmntVal, 9, 10  
POS, 12, 15, 17, 20, 22-25  
POSFrm, 9, 10, 18-24  
PrevOrder, 12, 25  
PrevSaleBtn\_MouseDown, 12  
Print, 27  
PrintArea, 23  
PrintBtn\_MouseDown, 12  
PrintOut, 23  
ProdDB, 18-20, 26  
ProdLbl, 16, 20  
ProdName, 13, 18-21, 26, 27  
ProdNameFld, 13  
ProdNameFld\_AfterUpdate, 12  
ProdNumb, 19, 20, 22  
ProdPic, 18, 20, 21  
ProdRow, 19-21, 26, 27  
ProdSKU, 13, 18-21

ProdSKUfld, 13  
 ProdSKUfld\_Enter, 13  
 ProdSKUfld\_Exit, 13  
 Product\_Select, 13, 14, 19  
 Product1\_MouseDown, 13  
 Product10\_MouseDown, 13  
 Product11\_MouseDown, 13  
 Product12\_MouseDown, 13  
 Product13\_MouseDown, 13  
 Product14\_MouseDown, 13  
 Product15\_MouseDown, 13  
 Product16\_MouseDown, 13  
 Product17\_MouseDown, 14  
 Product18\_MouseDown, 14  
 Product2\_MouseDown, 14  
 Product3\_MouseDown, 14  
 Product4\_MouseDown, 14  
 Product5\_MouseDown, 14  
 Product6\_MouseDown, 14  
 Product7\_MouseDown, 14  
 Product8\_MouseDown, 14  
 Product9\_MouseDown, 14  
 ProductPicFolder, 18, 19, 21, 27  
 Prompt, 26, 27  
 PtrSafe, 26

**R**

Range, 7, 12, 15, 17-27  
 RemoveItemBtn, 12, 16  
 RemoveItemBtn\_MouseDown, 14  
 Replace, 9, 18, 19, 21  
 Response, 26, 27  
 responseText, 27  
 ResultRow, 22, 23, 25  
 ReturnBoolean, 12, 13, 16  
 ReturnEffect, 12  
 ReturnString, 12, 16  
 Row, 7, 15, 18-20, 22-25  
 RowSource, 20, 23

**S**

SalesStaff, 16, 22, 24  
 SalesStaffLbl, 16, 22, 23  
 SCode, 12, 16  
 ScreenUpdating, 20, 21, 23  
 SearchRcptFld, 15  
 SearchRcptFld\_AfterUpdate, 15  
 SearchRcptFld\_Enter, 15  
 SecretKey, 26, 27  
 SelectedItems, 26  
 send, 27  
 SendKeys, 13  
 SetFocus, 13  
 setRequestHeader, 27  
 Shapes, 24  
 Shift, 11-17  
 Show, 12, 20, 22, 26  
 ShowPOS, 20  
 SkipMoveItems, 15  
 Source, 12, 16  
 SubCat1\_MouseDown, 15  
 SubCat10\_MouseDown, 15  
 SubCat11\_MouseDown, 15  
 SubCat12\_MouseDown, 15  
 SubCat2\_MouseDown, 16  
 SubCat3\_MouseDown, 16  
 SubCat4\_MouseDown, 16  
 SubCat5\_MouseDown, 16  
 SubCat6\_MouseDown, 16  
 SubCat7\_MouseDown, 16

SubCat8\_MouseDown, 16  
 SubCat9\_MouseDown, 16  
 SubCategory\_Select, 15, 16, 20  
 SubCatLbl, 16, 18  
 SubCatName, 18, 20  
 SubCatNumb, 18, 20  
 SubCatPic, 18  
 SubCatRow, 18  
 Subtotal, 16, 20, 22  
 SubtotalFld, 16, 20, 22, 23  
 szFileName, 26  
 szURL, 26

**T**

Target, 7  
 Tax, 16, 20, 22  
 TaxFld, 16, 20, 22, 23  
 TaxLbl, 16  
 TaxName, 16  
 TaxRate, 16  
 Temp, 26, 27  
 Timeout, 27, 28  
 Title, 26  
 Top, 24  
 Total, 17, 20, 22  
 TotalFld, 17, 20, 22, 23  
 Trim, 9

**U**

UCase, 16, 18, 20  
 Unique, 18-20, 23, 25  
 Unload, 16  
 URLDownloadToFile, 26, 27  
 UserForm\_Click, 10  
 UserForm\_Error, 16  
 UserForm\_Initialize, 16

**V**

Value, 7, 9, 10, 12, 13, 15, 17-27  
 VBA7, 26  
 vbCrLf, 27  
 vbDirectory, 18, 19, 21, 27  
 vbNo, 25  
 vbYesNo, 25  
 Visible, 12, 16, 17, 23  
 VoidBtn, 23  
 VoidBtn\_MouseDown, 17  
 VoidImg, 17, 23

**W**

Win64, 26  
 Worksheet\_SelectionChange, 7  
 WorksheetFunction, 22, 25

**X**

X, 11-17  
 xlFilterCopy, 18-20, 23, 25  
 xlUp, 15, 18-20, 22-25  
 xlValues, 19, 20  
 xlWhole, 19, 20

**Y**

Y, 11-17  
 YearSalesLbl, 17, 24

# 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.



*Excel For Freelancers*