

VBA SOURCE CODE BOOK

AUTO WORKSHOP MANAGER

FEATURE, FIX OR FOCUS

Customer	Vehicle	Status
Fred Fredders	Toyota Camry	Pending
John J. James	Toyota Camry	Pending
Mary Badger	Yellow Volkswagen Jetta	In Progress
Nancy Smith	Porsche 911	Pending
John J. James	Toyota Camry	In Progress
Jacky Tubman	Honda Civic	In Progress
Lisa Perkins	Kia Optima	Pending
David	Nissan Altima	Pending

Type	Part/Tech	Part/Labor Description	Qty/Hrs	Amount	Total
		Remove & Replace Starter moto	1.00	\$155.00	\$ 155.00
Labor	Peter Parker	Labor Service Performed	1.00	\$78.30	\$ 78.30

Item	Amount
Billed Labor	\$ 78.30
Billed Parts	\$ 155.00
Total Billed	\$ 233.30
Labor Costs	\$ 54.00
Parts Costs	\$ 100.00
Total Costs	\$ 154.00
Total Profit	\$ 101.46

 *Excel For Freelancers*

How To Manage An ENTIRE Auto Workshop With Excel



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.

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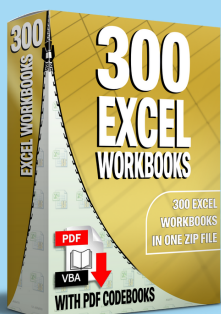
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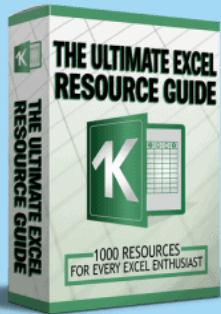
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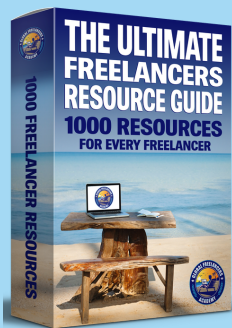
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```
1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     'On Custom Field Type Change, Change Field Format
5     If Not Intersect(Target, Range("K14:K17" )) Is Nothing And Range("K" & Target.Row).
6         Value <> Empty Then
7         Dim FieldType As String
8         FieldType = Target.Value 'Field T ype
9         Select Case FieldType
10            Case Is = "Text"
11                AutoWS.Range("O" & Target.Row + 18).NumberFormat = "@"
12            Case Is = "Number"
13                AutoWS.Range("O" & Target.Row + 18).NumberFormat = "0"
14            Case Is = "Date"
15                AutoWS.Range("O" & Target.Row + 18).NumberFormat = "mm/dd/yyyy"
16            Case Is = "Time"
17                AutoWS.Range("O" & Target.Row + 18).NumberFormat = "h:mm AM/PM;"
18            Case Is = "Amount"
19                AutoWS.Range("O" & Target.Row + 18).NumberFormat = "$#,##0.00"
20            Case Is = "Percentage"
21                AutoWS.Range("O" & Target.Row + 18).NumberFormat = "0.00%"
22            End Select
23        End If
24    End Sub
25
26
27 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
28
29 End Sub
```



```

1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     'On Search Order Change
5     If Not Intersect(Target, Range("E4" )) Is Nothing Then Orders_List
6
7     'On Customer Change, Load Customer (On Order Load as well)
8     If Not Intersect(Target, Range("L3" )) Is Nothing And Range("L3" ).Value <> Empty
9     Then
10        If Range("B7" ).Value = Empty Then
11            MsgBox "Please select a customer from the list or enter a new customer"
12            Exit Sub
13        End If
14        Customer_Load 'Run Macro to load customer
15        Vehicle_LoadCustVehicles 'Run Macro to load Customer Vehicles
16    End If
17
18    'On Item Type Change, update Parts or Labor Data Validation (But not on order Load)
19
20    If Not Intersect(Target, Range("Q9:Q33" )) Is Nothing And Range("Q" & Target.Row).
21    Value <> Empty And Range("B1" ).Value = False Then
22        'On Part Type
23        Range("R" & Target.Row).Validation.Delete 'Clear Validation (Item Details, Qty,
24        Amount & Cost)
25        Range("R" & Target.Row & ":U" & Target.Row).ClearContents 'Clear Item Details
26        Range("W" & Target.Row).ClearContents 'Clear item cost
27        If Target.Value = "Part" Then
28            Range("R" & Target.Row).Validation.Add Type:=xlValidateList, AlertStyle:=
29            xlValidAlertStop, Operator:=xlBetween, Formula1:="=Parts_Name"
30        Else:
31            Range("R" & Target.Row).Validation.Add Type:=xlValidateList, AlertStyle:=
32            xlValidAlertStop, Operator:=xlBetween, Formula1:="=Tech_Name"
33        End If
34    End If
35
36    'On Item Name Change add Part/Labor Details, Costs & Amounts
37    If Not Intersect(Target, Range("R9:R33" )) Is Nothing And Range("R" & Target.Row).
38    Value <> Empty And Range("B1" ).Value = False Then
39        If Range("Q" & Target.Row).Value = "Part" Then 'On Part Item Change
40            Dim PartRow As Long
41            On Error Resume Next
42            PartRow = PartsDB.Range("Parts_Name" ).Find(Target.Value, , xlValues, xlWhole)
43            .Row
44            On Error GoTo 0
45            If PartRow = 0 Then Exit Sub
46            Range("S" & Target.Row).Value = PartsDB.Range("C" & PartRow).Value
47            'Description
48            Range("U" & Target.Row).Value = "=W" & Target.Row & "+(W" & Target.Row &
49            "*PartsMarkup)"
50            Range("W" & Target.Row).Value = PartsDB.Range("D" & PartRow).Value 'Cost
51        Else 'Labor
52            Dim TechRow As Long
53            On Error Resume Next
54            TechRow = TechDB.Range("Tech_Name" ).Find(Target.Value, , xlValues, xlWhole).
55            Row
56            On Error GoTo 0
57            If TechRow = 0 Then Exit Sub
58            Range("S" & Target.Row).Value = "Labor Service Performed" 'Description
59            Range("U" & Target.Row).Value = "=W" & Target.Row & "+(W" & Target.Row &

```

1 2 3


```

1 2 3
    "*LaborMarkup"
50     Range("W" & Target.Row).Value = TechDB.Range("D" & TechRow).Value 'Cost
51     End If
52     Range("T" & Target.Row).Value = 1 'Set Default Qty
53     End If
54
55     'On Bay Change, Check For Occupied Bay
56     If Not Intersect(Target, Range("05,06" )) Is Nothing And Range("06" ).Value <> Empty
57         And Range("B1" ).Value = False And Range("B12" ).Value = True Then
58             MsgBox Range("06" ).Value & " is already occupied. Please locate an empty " & [
59                 areaname]
60             Range("06" ).ClearContents
61         End If
62     End Sub
63
64 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
65     If Target.CountLarge > 1 Then Exit Sub
66
67     'On Order Selection
68     If Not Intersect(Target, Range("D7:F9999" )) Is Nothing And Range("D" & Target.Row)
69         .Value <> Empty Then
70         Dim VehCol As String
71         Dim OrderRow As Long
72         Dim VehShp As Shape
73         For Each VehShp In Shapes
74             If InStr(VehShp.Name, "SelCarOrder" ) > 0 Then VehShp.Delete 'Clear any
75             existing car shape
76         Next VehShp
77         Range("B2" ).Value = Range("C" & Target.Row).Value 'Set Order ID
78         Order_Load 'Run macro to load order
79
80         'UPDATED
81         'Show & Select mini-vehicle to be placed
82         If Range("B3" ).Value = Empty Then Exit Sub 'Exit on no order db row
83         OrderRow = Range("B3" ).Value
84         VehCol = OrderDB.Range("F" & OrderRow).Value 'Vehicle Color
85         If VehCol = "" Then Exit Sub
86         Shapes("Car_" & VehCol).Duplicate.Name = "SelCarOrder" & Range("B2" ).Value '
87         Combine text with order #
88         With Shapes("SelCarOrder" & Range("B2" ).Value)
89             .Left = Range("G" & Target.Row).Left + 28
90             .Top = Range("G" & Target.Row).Top - 68
91             .Height = 12
92             .Width = 15
93             .OnAction = "OrderVehicle_Select"
94         End With
95     End If
96
97     'On Vehicle Selection, load Vehicle (but not on Order Load)
98     If Not Intersect(Target, Range("L12:L15" )) Is Nothing And Range("L" & Target.Row).
99         Value <> Empty And Range("B1" ).Value = False Then
100         Range("B18" ).Value = Range("M" & Target.Row).Value 'Set Vehicle ID
101         Vehicle_Load 'Run Macro To load Vehicle
102     End If
103
104     'On Vehicle Picture Selection
105     If Not Intersect(Target, Range("K30:K36" )) Is Nothing And Range("K" & Target.Row).
106         Value <> Empty Then
107         Range("B29" ).Value = Target.Row

```

```
102 | 1 2 Vehicle_ShowPicture 'Run Macro to display picture
103 | End If
104 |
105 | End Sub
```

1 Option Explicit

2

1 Option Explicit

2

1	Option Explicit
2	

1 Option Explicit

2

1 Option Explicit

2

1 Option Explicit

2

1	Option Explicit
2	

```

1 Option Explicit
2 Dim CustRow As Long, CustCol As Long
3 Sub Customer_Clear()
4     AutoWS.Range("L3:L9").ClearContents
5     AutoWS.Range("L4").Select
6 End Sub
7
8 Sub Customer_Delete()
9     If MsgBox("Are you sure you want to delete this Customer?", vbYesNo, "Delete
10 Customer") = vbNo Then Exit Sub
11 With AutoWS
12     If .Range("B7").Value = Empty Then GoTo SkipDel
13     CustRow = .Range("B7").Value
14     CustomerDB.Range(CustRow & ":" & CustRow).EntireRow.Delete
15 End With
16 SkipDel:
17 Customer_Clear 'Clear Customer Fields
18 Customer_ListRefresh 'Update Customer List
19 End Sub
20
21 Sub Customer_ListRefresh()
22 Dim LastRow As Long
23 With CustomerDB
24     .Range("J2:J999").ClearContents 'Clear existing sorted customer list
25     LastRow = .Range("A99999").End(xlUp).Row
26     If LastRow < 4 Then Exit Sub
27     .Range("J2:J" & LastRow - 2).Value = .Range("B4:B" & LastRow).Value 'Copy
28     Customersm
29 With .Sort
30     .SortFields.Clear
31     .SortFields.Add Key:=CustomerDB.Range("J2"), SortOn:=xlSortOnValues, Order:=
32     xlAscending, DataOption:=xlSortNormal 'Sort
33     .SetRange CustomerDB.Range("J2:J" & LastRow - 2) 'Set Range
34     .Apply 'Apply Sort
35 End With
36 End With
37 End Sub
38
39 Sub Customer_Load()
40 With AutoWS
41     If .Range("B7").Value = Empty Then
42         MsgBox "Please make sure to enter a correct customer"
43         Exit Sub
44     End If
45     CustRow = .Range("B7").Value
46     For CustCol = 2 To 7
47         .Range("L" & CustCol + 2).Value = CustomerDB.Cells(CustRow, CustCol).Value
48         'Load Customer Details
49     Next CustCol
50 End With
51 End Sub
52
53 Sub Customer_SavedMsg()
54 With AutoWS.Shapes("CustomerSavedMsg")
55     Dim i As Long, Delay As Double, StartTime As Double
56     .Visible = msoCTrue
57     For i = 1 To 75
58         .Fill.Transparency = i / 75
59         Delay = 0.005
60         StartTime = Timer

```

1 2 3

```
1 2 3
57 Do
58 DoEvents
59 Loop While Timer - StartTime < Delay
60 Next i
61 .Visible = msoFalse
62 End With
63 End Sub
64
65 Sub Customer_SaveUpdate()
66 With AutoWS
67 If .Range("L4").Value = "" Then
68 MsgBox "Please make sure to add a Customer Name before saving"
69 Exit Sub
70 End If
71 If .Range("B7").Value = Empty Then 'New Customer
72 CustRow = CustomerDB.Range("A9999").End(xlUp).Row + 1
73 CustomerDB.Range("A" & CustRow).Value = .Range("B8").Value 'Customer ID
74 Else 'Existing Customer
75 CustRow = .Range("B7").Value
76 End If
77 For CustCol = 2 To 7
78 CustomerDB.Cells(CustRow, CustCol).Value = .Range("L" & CustCol + 2).Value
79 'Save Customer Details
80 Next CustCol
81 End With
82 Customer_ListRefresh 'Update Customer List
83 Customer_SavedMsg 'Customer Saved Fade Out message
End Sub
```

```

1 Option Explicit
2 Dim OrderID As String
3 Dim OrderRow As Long, VehShp As Shape
4 Sub OrderVehicle_Select()
5     With AutoWS
6         If .Range("B2" ).Value = Empty Then Exit Sub
7         OrderID = .Range("B2" ).Value
8         On Error Resume Next
9         Set VehShp = .Shapes("SelCarOrder" & OrderID)
10        On Error GoTo 0
11        If VehShp Is Nothing Then Exit Sub
12        .Range("B13" ).Value = VehShp.Left 'Set Left Position
13        .Range("B14" ).Value = VehShp.Top 'Set Top position
14        .Range("B15" ).Value = False 'Set move to false
15        VehShp.Select
16        Vehicle_CheckForMove
17    End With
18 End Sub
19
20
21
22 Sub Vehicle_CheckForMove()
23     Dim DestRow As Long, DestCol As Long, OrderRow As Long, OrderCol As Long, CountDelay
24     As Long
25     Dim OrderID As String, BayName As String
26     With AutoWS
27         If .Range("B3" ).Value = Empty Then Exit Sub 'Database Row Of Your Order
28         OrderID = .Range("B2" ).Value 'Order ID 'Set Your ID
29
30         For CountDelay = 1 To 100000 'Create a loop with delay
31             DoEvents 'Allow user to continue to work in Excel while loop runs
32             If .Range("B15" ).Value = True Then End 'Exit Loop on Move Order Move = True
33             'Set Your Exit Loop Qualifier
34             On Error GoTo EndDragDrop
35             With .Shapes("SelCarOrder" & OrderID) 'Based On your Selected Move
36                 'Check to see if shape has been moved from it's original top position or
37                 left position
38                 If .Left <> AutoWS.Range("B13" ).Value Or .Top <> AutoWS.Range("B14" ).
39                 Value Then 'Move Detect
40                     AutoWS.Range("B15" ).Value = True 'Set Change to True
41                     OrderRow = AutoWS.Range("B3" ).Value 'Order DB Row
42                     'Check for incorrect move outside of the specified boundaries
43                     If .Left < AutoWS.Range("H1" ).Left Or .Left > AutoWS.Range("J1" ).Left
44                     Or .Top > AutoWS.Range("A999" ).Top Or .Top < AutoWS.Range("A3" ).Top -
45                     1 Then
46                         MsgBox "Plase make sure to move the vehicle to a correct bay area"
47                         GoTo EndDragDrop
48                     End If
49                     'On Bay Change
50                     BayName = AutoWS.Range("H" & ((.TopLeftCell.Row - 3) \ 5) * 5 + 3).
51                     Value 'Bay Name
52                     If BayName = "0" Or BayName = "" Then
53                         MsgBox "Please move to an existing Bay"
54                         GoTo EndDragDrop
55                     End If
56                     'Check For Occupied Bay
57                     AutoWS.Range("B16" ).Value = BayName
58                     AutoWS.Calculate
59                     If AutoWS.Range("B17" ).Value = True Then
60                         MsgBox "Please select an empty bay. " & BayName & " is already

```

1 2 3 4 5 6

```
1 2 3 4 5 6
54     occupied"
55     GoTo EndDragDrop
56     End If
57     OrderDB.Range("O" & OrderRow).Value = "In Progress" 'Set Status
58     OrderDB.Range("P" & OrderRow).Value = BayName 'Set Bay
59
60     GoTo EndDragDrop
61
62     AutoWS.Range("B15" ).Value = True 'Set Move Order to true
63     End
64     End If
65     End With
66     Next CountDelay
67     EndDragDrop:
68     Order_AutoBayRefresh 'Reload Vehicle AutoBay Pictures
69     Orders_List 'Reload list
70     .Range("B15" ).Value = True 'Set Move Order Movement to True
71     End With
72     End Sub
73
```

```

1 Option Explicit
2 Dim OrderRow As Long, OrderCol As Long, ItemRow As Long, LastRow As Long, LastItemRow
   As Long, ItemDBRow As Long, ItemDBCol As Long
3 Dim LastResultRow As Long, ResultRow As Long, VehRow As Long
4 Dim VehShp As Shape
5
6 Sub Order_AddNew()
7     With AutoWS
8         .Range("B1" ).Value = True 'Set Order Load To True
9         .Range(
10            "B2,B18,B29,L3:L9,L12:L15,L17:M20,L23:L26,J30:K36,O3:O9,O12:O15,O18:O21,Q9:U33,W9:
11            W33,Y9:Y33,O32:O35" ).ClearContents
12         .Range("B2" ).Value = .Range("B4" ).Value 'Next Order ID
13         .Range("O3" ).Value = Date 'Set Service Date
14         .Range("O4" ).Value = Admin.Range("E16" ).Value 'Order Type
15         .Range("O5" ).Value = Admin.Range("E17" ).Value 'Order Status
16         .Range("O7" ).Value = Admin.Range("E18" ).Value 'Payment Type
17         .Range("O9" ).Value = Admin.Range("E19" ).Value 'Manager
18         .Range("O20" ).Value = Admin.Range("E12" ).Value 'Default Labor Markup
19         .Range("O21" ).Value = Admin.Range("E13" ).Value 'Default Parts Markup
20         .Range("R9:R33" ).Validation.Delete 'Clear Part/Tech Validation
21         On Error Resume Next
22         .Shapes("VehPic" ).Delete 'Remove any Vehicle Picture
23         On Error GoTo 0
24         .Range("B1" ).Value = False 'Set Order Load To False
25     End With
26 End Sub
27
28 Sub Order_AutoBayRefresh()
29     Dim VehPic As Shape
30     Dim BayNumb As Long, BayItemNumb As Long
31     Dim BayName As String, VehColor As String, CustName As String, VehModel As String,
   OrdID As String
32     With AutoWS
33         'Remove Vehicle Bay Pictures
34         For Each VehPic In .Shapes
35             If InStr(VehPic.Name, "VehPicBayOrd" ) > 0 Then VehPic.Delete
36         Next VehPic
37         Set VehPic = Nothing 'Clear Object
38         'Clear Vehicle Bay Text
39         For BayNumb = 1 To 10
40             .Shapes("TextShpBay" & BayNumb).TextFrame2.TextRange.Text = "" 'Clear Text
41         Next BayNumb
42         'Load Orders 'In Progress'
43         With OrderDB
44             LastRow = .Range("A99999" ).End(xlUp).Row
45             If LastRow < 4 Then Exit Sub
46             .Range("A3:P" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
47                 "AR2:AR3" ), CopyToRange:=.Range("AU2:AY2" ), Unique:=True
48             LastResultRow = .Range("AU99999" ).End(xlUp).Row
49             If LastResultRow < 3 Then Exit Sub
50             For ResultRow = 3 To LastResultRow
51                 OrdID = .Range("AU" & ResultRow).Value 'Order ID
52                 CustName = .Range("AV" & ResultRow).Value 'Customer Name
53                 VehModel = .Range("AW" & ResultRow).Value 'Vehicle Model
54                 VehColor = .Range("AX" & ResultRow).Value 'Vehicle Color
55                 BayName = .Range("AY" & ResultRow).Value 'Assigned Bay
56                 On Error Resume Next
57                 BayItemNumb = Admin.Range("AutoBays" ).Find(BayName, , xlValues, xlWhole).
58                 Row - 6 'Get Bay Item Numb

```

1 2 3 4


```

1 2 3 4
55 On Error GoTo 0
56 If BayItemNumb = 0 Then GoTo NextResult
57 On Error Resume Next
58 Set VehPic = AutoWS.Shapes("Car_" & VehColor) 'Set Sample car shape
59 On Error GoTo 0
60 If VehPic Is Nothing Then GoTo SkipVehicle
61 VehPic.Duplicate.Name = "VehPicBayOrd" & OrdID
62 With AutoWS.Shapes("VehPicBayOrd" & OrdID)
63     .Left = AutoWS.Range("I3").Left + 32
64     .Top = AutoWS.Range("I" & 3 + ((BayItemNumb - 1) * 5)).Top - 24
65     .OnAction = "Vehicle_Select"
66 End With
67 SkipVehicle:
68 AutoWS.Shapes("TextShpBay" & BayItemNumb).TextFrame2.TextRange.Text =
69     CustName & " - " & VehColor & " " & VehModel
70 NextResult:
71 Next ResultRow
72 End With
73 End Sub

74
75 Sub Order_ClearFilter()
76     AutoWS.Range("E3:F4").ClearContents
77 End Sub

78
79
80 Sub Order_Delete()
81     With AutoWS
82         If MsgBox("Are you sure you want to delete this order?" , vbYesNo, "Delete
83             Order" ) = vbNo Then Exit Sub
84         If .Range("B3").Value = Empty Then GoTo NotSaved
85         OrderRow = .Range("B3").Value
86         Application.ScreenUpdating = False
87         OrderDB.Range(OrderRow & ":" & OrderRow).EntireRow.Delete
88
89         'Delete Order Items
90         With OrderItemsDB
91             LastRow = .Range("A9999").End(xlUp).Row
92             If LastRow < 4 Then GoTo NoItems
93             .Range("A3:K" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
94                 "R2:R3" ), CopyToRange:=.Range("X2:AE2" ), Unique:=True
95             LastResultRow = .Range("X9999").End(xlUp).Row
96             If LastResultRow < 3 Then GoTo NoItems
97
98             For ResultRow = 3 To LastResultRow
99                 ItemDBRow = .Range("AD" & ResultRow).Value 'Item DB Row
100                .Range("A" & ItemDBRow & ":K" & ItemDBRow).ClearContents 'Clear Item
101                Details
102            Next ResultRow
103            'Resort List to Clear empty rows
104            With .Sort
105                .SortFields.Clear
106                .SortFields.Add Key:=OrderItemsDB.Range("A4" ), SortOn:=xlSortOnValues,
107                Order:=xlAscending, DataOption:=xlSortNormal 'Sort
108                .SetRange OrderItemsDB.Range("A4:K" & LastRow) 'Set Range
109                .Apply 'Apply Sort
110            End With
111        End With
112    NoItems:

```

```

1 2
110 NotSaved:
111 Orders_List 'Reload List
112 Order_AddNew
113 Application.ScreenUpdating = False
114 End With
115 End Sub
116
117 Sub Order_ListTodaysJobs()
118 AutoWS.Range("E3" ).Value = "Service Date"
119 AutoWS.Range("E4" ).Value = Date 'Current Date
120 End Sub
121 Sub Order_Load()
122 With AutoWS
123 .Range("B1" ).Value = True 'Set Order Load to True
124 .Range(
" B18,B29,L3:L9,L12:L15,L17:M20,L23:L26,J30:K36,03:09,012:015,018:021,Q9:U33,W9:W33
,Y9:Y33,032:035" ).ClearContents
125 .Range("R9:R33" ).Validation.Delete 'Clear Part/Tech Validation
126 On Error Resume Next
127 .Shapes("VehPic" ).Delete 'Delete any vehicle picture
128 On Error GoTo 0
129 If .Range("B3" ).Value = Empty Then
130 MsgBox "Please enter a correct Order # to load"
131 .Range("B1" ).Value = False 'Set Order Load to False
132 Exit Sub
133 End If
134 OrderRow = .Range("B3" ).Value 'Order DB Row
135 Application.ScreenUpdating = False
136 For OrderCol = 3 To 32 '(Exclude Cust ID & Totals & Payment Amount which are
calculated)
137 If OrderCol <> 28 Then .Range(OrderDB.Cells(1, OrderCol).Value).Value =
OrderDB.Cells(OrderRow, OrderCol).Value 'Bring over order data
138 Next OrderCol
139 'Update Quote/Sales Order Option
140 If .Range("O4" ).Value = "Quote" Then .Range("B9" ).Value = 1 Else .Range("B9" )
.Value = 2 'Update Order Option values
141 End With
142 'Load Items
143 With OrderItemsDB
144 LastRow = .Range("A99999" ).End(xlUp).Row
145 If LastRow < 4 Then GoTo SkipItems
146 .Range("A3:K" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
"R2:R3" ), CopyToRange:=.Range("X2:AE2" ), Unique:=True
147 LastResultRow = .Range("X99999" ).End(xlUp).Row
148 If LastResultRow < 3 Then GoTo SkipItems
149 For ResultRow = 3 To LastResultRow
150 ItemRow = .Range("AE" & ResultRow).Value 'Item Row
151 AutoWS.Range("Q" & ItemRow & ":U" & ItemRow).Value = .Range("X" & ResultRow
& ":AB" & ResultRow).Value 'Product ID, Name, Qty & Amount
152 AutoWS.Range("W" & ItemRow).Value = .Range("AC" & ResultRow).Value 'Item
Cost
153 AutoWS.Range("Y" & ItemRow).Value = .Range("AD" & ResultRow).Value 'DB Row
154
155 'Update Part/Labor Validation
156 If .Range("X" & ResultRow).Value = "Part" Then
157 AutoWS.Range("R" & ItemRow).Validation.Add Type:=xlValidatelist,
AlertStyle:=xlValidAlertStop, Operator:=xlBetween, Formula1:="=Parts_Name"
158 Else: 'Labor
159 AutoWS.Range("R" & ItemRow).Validation.Add Type:=xlValidatelist,

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1 2 3 4
160     AlertStyle:=xlValidAlertStop, Operator:=xlBetween, Formula1:="=Tech_Name"
161     End If
162     Next ResultRow
163     SkipItems:
164     End With
165     Vehicle_LoadCustVehicles 'Load Customer Vehicles (if any)
166     'Load Selected Vehicle
167     If AutoWS.Range("B19").Value = Empty Then GoTo SkipVehicle
168     'Load Pictures (if any)
169     If AutoWS.Range("B18").Value = Empty Then GoTo NoPics
170     With PicDB
171     LastRow = .Range("A99999").End(xlUp).Row
172     If LastRow < 4 Then GoTo NoPics
173     .Range("A3:C" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
174     "G2:G3" ), CopyToRange:=.Range("I2:J2" ), Unique:=True
175     LastResultRow = .Range("I99999").End(xlUp).Row
176     If LastResultRow < 3 Then GoTo NoPics
177     AutoWS.Range("J30:K36").Value = .Range("I3:J9").Value 'Copy over Row & picture
178     name
179     NoPics:
180     End With
181     SkipVehicle:
182
183     Application.ScreenUpdating = True
184     AutoWS.Range("B1").Value = False 'Set Order Load to False
185 End Sub
186
187 Sub Order_Print()
188     AutoWS.PrintOut , , , , True, , , , False
189 End Sub
190
191 Sub Order_SavedMsg()
192     With AutoWS.Shapes("OrderSavedMsg" )
193     Dim i As Long, Delay As Double, StartTime As Double
194     .Visible = msoCTrue
195     For i = 1 To 75
196     .Fill.Transparency = i / 75
197     Delay = 0.005
198     StartTime = Timer
199     Do
200     DoEvents
201     Loop While Timer - StartTime < Delay
202     Next i
203     .Visible = msoFalse
204     End With
205 End Sub
206
207 Sub Order_SaveUpdate()
208     With AutoWS
209     'Check For required Customer, Vehicle & Status
210     If .Range("B7").Value = Empty Then
211     MsgBox "Please select or add a customer to save this order"
212     Exit Sub
213     End If
214     If .Range("B19").Value = Empty Then
215     MsgBox "Please select or add a vehicle to save this order"
216     Exit Sub

```

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1 2 3
217 End If
218 If .Range("O5" ).Value = Empty Then
219     MsgBox "Please make sure to add an Order Status before saving"
220     Exit Sub
221 End If
222 If .Range("B12" ).Value = True Then 'Conflicting Bay
223     MsgBox "It appears that " & .Range("O6" ).Value & " is already in progress.
224     Pleas select another " & [areaname] & " or change the order status"
225     Exit Sub
226 End If
227 Application.ScreenUpdating = False
228 If .Range("B3" ).Value = Empty Then 'New Order
229     OrderRow = OrderDB.Range("A9999" ).End(xlUp).Row + 1
230     .Range("B2" ).Value = .Range("B4" ).Value 'Next Order ID
231     OrderDB.Range("A" & OrderRow).Value = .Range("B2" ).Value 'Next Order ID
232 Else 'Existing Order
233     OrderRow = .Range("B3" ).Value 'Existing Order DB Row
234 End If
235 For OrderCol = 2 To 32 'Include Order total
236     OrderDB.Cells(OrderRow, OrderCol).Value = .Range(OrderDB.Cells(1, OrderCol).
237     Value).Value 'Save order data
238 Next OrderCol
239 'Save/Udpate Items
240 LastItemRow = .Range("R34" ).End(xlUp).Row
241 If LastItemRow < 9 Then GoTo NoItems
242 For ItemRow = 9 To LastItemRow
243     If .Range("Y" & ItemRow).Value = Empty Then 'New Item DB
244         ItemDBRow = OrderItemsDB.Range("A9999" ).End(xlUp).Row + 1 'First avail
245         Row
246         OrderItemsDB.Range("A" & ItemDBRow).Value = .Range("B2" ).Value 'Order #
247         OrderItemsDB.Range("J" & ItemDBRow).Value = ItemRow 'Set Item Row
248         OrderItemsDB.Range("K" & ItemDBRow).Value = "=Row()" 'Database row
249         formula
250         .Range("Y" & ItemRow).Value = ItemDBRow
251     Else 'Existing
252         ItemDBRow = .Range("Y" & ItemRow).Value 'Existing Order Items DB Row
253     End If
254     OrderItemsDB.Range("B" & ItemDBRow & ":I" & ItemDBRow).Value = .Range("Q" &
255     ItemRow & ":X" & ItemRow).Value 'Save Item Details
256 Next ItemRow
257 NoItems:
258 Orders_List 'Reload List
259 Order_AutoBayRefresh 'Reload Auto Bays
260 Application.ScreenUpdating = True
261 Order_SavedMsg
262 End With
263 End Sub
264
265
266 Sub Order_TypeChange()
267     If AutoWS.Range("B9" ).Value = 1 Then AutoWS.Range("O4" ).Value = "Quote" Else
268     AutoWS.Range("O4" ).Value = "Sales Order"
269 End Sub
270
271 Sub Orders_List()
272     AutoWS.Range("C7:F9999" ).ClearContents 'Clear out existing order list
273     'Clear out any car icons
274     For Each VehShp In AutoWS.Shapes
275     If InStr(VehShp.Name, "SelCarOrder" ) > 0 Then VehShp.Delete 'Clear any existing

```

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1 2
car shape
271 Next VehShp
272 With OrderDB
273     LastRow = .Range("A99999" ).End(xlUp).Row
274     If LastRow < 4 Then Exit Sub
275     .Range("A3:AB" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
"AG2:AH3" ), CopyToRange:=.Range("AK2:AN2" ), Unique:=True
276     LastResultRow = .Range("AK99999" ).End(xlUp).Row
277     If LastResultRow < 3 Then Exit Sub
278     If LastResultRow < 4 Then GoTo SkipSort
279     With .Sort
280         .SortFields.Clear
281         .SortFields.Add Key:=OrderDB.Range("AK3" ), SortOn:=xlSortOnValues, Order:=
xlDescending, DataOption:=xlSortNormal 'Sort
282         .SetRange OrderDB.Range("AK3:AN" & LastResultRow) 'Set Range
283         .Apply 'Apply Sort
284     End With
285     SkipSort:
286     AutoWS.Range("C7:F" & LastResultRow + 4).Value = .Range("AK3:AN" &
LastResultRow).Value
287 End With
288 End Sub
289
290 Sub Vehicle_Select()
291     On Error Resume Next
292     AutoWS.Range("B2" ).Value = Replace(Application.Caller, "VehPicBayOrd" , "" )
'Extract Order ID
293     Order_Load
294     On Error GoTo 0
295 End Sub
```

```

1 Option Explicit
2 Dim VehRow As Long, VehCol As Long, LastRow As Long, LastResultRow As Long
3
4 Sub Vehicle_Clear()
5     AutoWS.Range("B18,L17:L20").ClearContents
6     AutoWS.Range("L17").Select
7 End Sub
8
9 Sub Vehicle_Delete()
10    If MsgBox("Are you sure you want to delete this Vehicle?" , vbYesNo, "Delete
11    Vehicle" ) = vbNo Then Exit Sub
12    With AutoWS
13        If .Range("B19").Value = Empty Then GoTo SkipDel
14        VehRow = .Range("B19").Value
15        VehicleDB.Range(VehRow & ":" & VehRow).EntireRow.Delete
16    End With
17    SkipDel:
18    Vehicle_Clear 'Clear Vehicle Fields
19    Vehicle_LoadCustVehicles 'Update Vehicle List
20 End Sub
21
22 Sub Vehicle_Load()
23    With AutoWS
24        If .Range("B19").Value = Empty Then
25            MsgBox "Please make sure to enter a correct Vehicle"
26            Exit Sub
27        End If
28        VehRow = .Range("B19").Value 'Vehicle Row
29        For VehCol = 3 To 6
30            .Range("L" & VehCol + 14).Value = VehicleDB.Cells(VehRow, VehCol).Value
31            'Load Vehicle Details
32        Next VehCol
33    End With
34    Vehicle_LoadPictures 'Load Vehicle Pictures
35 End Sub
36
37 Sub Vehicle_LoadCustVehicles()
38    If AutoWS.Range("B6").Value = "" Then Exit Sub 'Exit On No Customer ID
39    With VehicleDB
40        LastRow = .Range("A99999").End(xlUp).Row
41        If LastRow < 4 Then GoTo NoVehicles
42        .Range("A3:E" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
43        "K2:K3" ), CopyToRange:=.Range("M2:O2" ), Unique:=True
44        LastResultRow = .Range("M99999").End(xlUp).Row
45        If LastResultRow < 3 Then GoTo NoVehicles
46        AutoWS.Range("L12:L15").Value = .Range("P3:P6").Value 'Copy Over Color & Model
47        AutoWS.Range("M12:M15").Value = .Range("M3:M6").Value 'Vehicle ID's
48    End With
49    NoVehicles:
50 End Sub
51
52 Sub Vehicle_SavedMsg()
53    With AutoWS.Shapes("VehicleSavedMsg")
54        Dim i As Long, Delay As Double, StartTime As Double
55        .Visible = msoCTrue
56        For i = 1 To 75
57            .Fill.Transparency = i / 75
58        Next i
59    End With
60 End Sub

```

1 2 3

```
1 2 3
57 Delay = 0.005
58 StartTime = Timer
59 Do
60     DoEvents
61     Loop While Timer - StartTime < Delay
62 Next i
63     .Visible = msoFalse
64 End With
65 End Sub

66
67 Sub Vehicle_SaveUpdate()
68     With AutoWS
69         If .Range("L17").Value = "" Or .Range("L18").Value = Empty Then
70             MsgBox "Please make sure to add a Vehicle Model and Color before saving"
71             Exit Sub
72         End If
73         If .Range("B19").Value = Empty Then 'New Vehicle
74             VehRow = VehicleDB.Range("A9999").End(xlUp).Row + 1
75             .Range("B18").Value = .Range("B20").Value 'Next Vehicle ID
76             VehicleDB.Range("A" & VehRow).Value = .Range("B20").Value 'Vehicle ID
77             VehicleDB.Range("B" & VehRow).Value = .Range("B6").Value 'Customer ID
78         Else 'Existing Vehicle
79             VehRow = .Range("B19").Value
80         End If
81         For VehCol = 3 To 6
82             VehicleDB.Cells(VehRow, VehCol).Value = .Range("L" & VehCol + 14).Value
83             'Save Vehicle Details
84         Next VehCol
85     End With
86     Vehicle_LoadCustVehicles 'Update Vehicle List
87     Vehicle_SavedMsg 'Vehicle Saved Fade Out message
88 End Sub
```



```

1 Option Explicit
2 Dim PicPath As String, PicFolder As String
3 Dim LastRow As Long, LastResultRow As Long, PicRow As Long, PicDBRow As Long
4
5
6 Sub BrowseForVehPicFolder()
7     Dim VehPicFolder As FileDialog
8     Set VehPicFolder = Application.FileDialog(msoFileDialogFolderPicker)
9     With VehPicFolder
10        .Title = "Browse For Vehicle Picture Folder"
11        .AllowMultiSelect = False
12        If .Show <> -1 Then GoTo NoSelection
13        Admin.Range("C2").Value = .SelectedItems(1)
14    End With
15    NoSelection:
16 End Sub
17
18
19 Sub Vehicle_AddPicture()
20     Dim VehPic As FileDialog
21     Dim PicRow As Long
22     If AutoWS.Range("B18").Value = Empty Then
23         MsgBox "Please make sure to select a vehicle before adding pictures"
24         Exit Sub
25     End If
26     AutoWS.Range("L23").Select 'Select Something other than a picture
27     Set VehPic = Application.FileDialog(msoFileDialogFilePicker)
28     PicFolder = [VehiclePicFolder]
29     If PicFolder = "" Or Dir(PicFolder, vbDirectory) = "" Then
30         BrowseForVehPicFolder
31         PicFolder = [VehiclePicFolder]
32         If PicFolder = "" Or Dir(PicFolder, vbDirectory) = "" Then Exit Sub
33     End If
34     With VehPic
35         .Title = "Select Item Picture"
36         .Filters.Add "Select Item Picture", "*.jpg, *.png, *.jpeg, *.giff", 1
37         If .Show <> -1 Then GoTo NoSelection
38         PicPath = PicFolder & "\" & Dir(.SelectedItems(1))
39         If .SelectedItems(1) = PicPath Then GoTo SkipCopy
40         If Dir(PicPath, vbDirectory) <> "" Then Kill (PicPath)
41         FileCopy .SelectedItems(1), PicPath 'Copy to new location
42         SkipCopy:
43     End With
44     'Add to Picture Database
45     With PicDB
46         PicRow = .Range("A99999").End(xlUp).Row + 1
47         .Range("A" & PicRow).Value = AutoWS.Range("B18").Value 'Set Vehicle ID
48         .Range("B" & PicRow).Value = Dir(PicPath) 'Set Picture Name
49         .Range("C" & PicRow).Value = "=Row()" 'Database Row
50     End With
51     Vehicle_LoadPictures 'Reload Pictures
52     AutoWS.Range("K30").Select 'Selct Picture To Display
53     NoSelection:
54 End Sub
55
56
57 Sub Vehicle_DeletePicture()
58     With AutoWS
59         If .Range("B29").Value = Empty Then
60             MsgBox "Please select a picture to remove"
61         End If
62     End With

```

1 2 3

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1 2 3
61 Exit Sub
62 End If
63 PicRow = .Range("B29").Value
64 PicDBRow = .Range("J" & PicRow).Value 'Picture DB Row
65 PicDB.Range(PicDBRow & ":" & PicDBRow).EntireRow.Delete
66 .Range("B29").ClearContents
67 On Error Resume Next
68 AutoWS.Shapes("VehPic").Delete
69 On Error GoTo 0
70 Vehicle_LoadPictures 'Reload Pictures
71 End With
72 End Sub
73
74 Sub Vehicle_LoadPictures()
75 AutoWS.Range("J30:K36").ClearContents
76 On Error Resume Next
77 AutoWS.Shapes("VehPic").Delete 'Delete Any Picture
78 On Error GoTo 0
79 If AutoWS.Range("B18").Value = Empty Then Exit Sub 'Exit on no vehicle ID
80 With PicDB
81 LastRow = .Range("A9999").End(xlUp).Row
82 If LastRow < 4 Then Exit Sub
83 .Range("A3:C" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
84 "G2:G3"), CopyToRange:=.Range("I2:J2"), Unique:=True
85 LastResultRow = .Range("I9999").End(xlUp).Row
86 If LastResultRow < 3 Then Exit Sub
87 If LastResultRow < 4 Then GoTo NoSort
88 With .Sort
89 .SortFields.Clear
90 .SortFields.Add Key:=PicDB.Range("I3"), SortOn:=xlSortOnValues, Order:=
91 xlDescending, DataOption:=xlSortNormal 'Sort
92 .SetRange PicDB.Range("I3:J" & LastResultRow) 'Set Range
93 .Apply 'Apply Sort
94 End With
95 NoSort:
96 AutoWS.Range("J30:K36").Value = .Range("I3:J9").Value 'Bring Over Max 7
97 Pictures
98 End With
99 End Sub
100 Sub Vehicle_OpenPicture()
101 With AutoWS
102 If .Range("B29").Value = Empty Then
103 MsgBox "Please select a picture to open"
104 Exit Sub
105 End If
106 PicRow = .Range("B29").Value
107 PicFolder = [VehiclePicFolder] 'Vehicle Picture Folder (if any)
108 PicPath = PicFolder & "\" & .Range("K" & PicRow).Value 'Picture path
109 On Error Resume Next
110 If Dir(PicPath, vbDirectory) = "" Then Exit Sub
111 ThisWorkbook.FollowHyperlink PicPath
112 End With
113 End Sub
114
115 Sub Vehicle_ShowPicture()
116 With AutoWS
117 If .Range("B29").Value = Empty Then
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118     MsgBox "Please select a picture to display"
119     Exit Sub
120 End If
121 PicRow = .Range("B29" ).Value
122 PicFolder = [VehiclePicFolder] 'Vehicle Picture Folder (if any)
123 On Error Resume Next
124 AutoWS.Shapes("VehPic" ).Delete 'Delete any picture if it exists
125 On Error GoTo 0
126 PicPath = PicFolder & "\" & .Range("K" & PicRow).Value 'Picture path
127 On Error Resume Next
128 If Dir(PicPath, vbDirectory) = "" Then Exit Sub
129 On Error GoTo 0
130 .Pictures.Insert(PicPath).Name = "VehPic"
131 With .Shapes("VehPic" )
132     .LockAspectRatio = msoCTrue
133     If .Width > .Height Then .Width = 105 Else .Height = 90
134     .Left = AutoWS.Range("L30" ).Left + (AutoWS.Range("L:L" ).Width - .Width) / 2
135     .Top = AutoWS.Range("L30" ).Top + (AutoWS.Range("30:36" ).Height - .Height) / 2
136 End With
137 End With
138 End Sub
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