

# VBA SOURCE CODE BOOK



## How To Create Your Own Membership Application In Excel



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by: *Randy Austin*

# ABOUT THE AUTHOR

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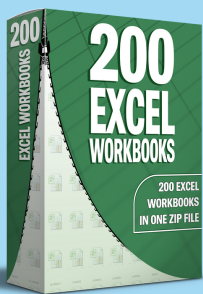
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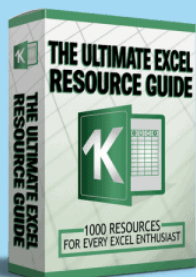
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## Option Explicit

```
Private Sub Worksheet_Change(ByVal Target As Range)
```

```
    'On Member Name Change
```

```
    If Not Intersect(Target, Range("I5" )) Is Nothing And Range("B3" ).Value <> Empty Then
```

```
        If Target.Value <> Empty And Range("B3" ).Value <> Empty Then
```

```
            Dim MemberRow As Long
```

```
            MemberRow = Range("B3" ).Value 'Customer Row
```

```
            Range("I6" ).Value = MemberDB.Range("C" & MemberRow).Value 'Address 1
```

```
            Range("I7" ).Value = MemberDB.Range("D" & MemberRow).Value & ", " & MemberDB.Range  
            ("E" & MemberRow).Value & " " & MemberDB.Range("F" & MemberRow).Value 'Address
```

```
                2
```

```
        End If
```

```
    End If
```

```
    'On Invoice Item Name Change (But not on Invoice Load)
```

```
    If Not Intersect(Target, Range("H10:H29" )) Is Nothing And Range("B7" ).Value = False Then
```

```
        If Range("H" & Target.Row).Value <> Empty Then
```

```
            Dim ItemRow As Long
```

```
            On Error Resume Next
```

```
            ItemRow = ServiceItems.Range("Service_Name" ).Find(Target.Value, , xlValues, xlWhole  
            ).Row 'Item Row
```

```
            On Error GoTo 0
```

```
            If ItemRow <> 0 Then
```

```
                Range("I" & Target.Row).Value = ServiceItems.Range("C" & ItemRow).Value 'Item  
                Description
```

```
                Range("J" & Target.Row).Value = 1 'Set Default Qty
```

```
                Range("K" & Target.Row).Value = ServiceItems.Range("E" & ItemRow).Value 'Item  
                Sales Price
```

```
            End If
```

```
        Else: 'Deleted Item (Clear Row)
```

```
            Range("I" & Target.Row & ":K" & Target.Row).ClearContents
```

```
            If Range("M" & Target.Row).Value <> "" Then
```

```
                Dim InvItemDBRow As Long
```

```
                InvItemDBRow = Range("M" & Target.Row).Value
```

```
                InvoiceItems.Range(InvItemDBRow & ":" & InvItemDBRow).EntireRow.Delete
```

```
                Range("M" & Target.Row).ClearContents
```

```
            End If
```

```
        End If
```

```
    End If
```

```
    'On Change of Invoice #, Load Invoice
```

```
    If Not Intersect(Target, Range("N2" )) Is Nothing And Range("N2" ).Value <> Empty Then
```

```
        If Range("B5" ).Value = Empty Then
```

```
            MsgBox "Invoice not found. Please enter another Invoice #"
```

```
            Exit Sub
```

```
        End If
```

```
        Range("B8,L2" ).Value = Range("N2" ).Value 'Copy over Searched Invoice ID
```

```
        Invoice_Load 'Load Invoice
```

```
        Recurring_Load 'Check For Recurring Invoice Template
```

```
        Range("N2" ).ClearContents
```

```
    End If
```

```
    'On Change of 'Every Month' option ensure no Weekday is set when on or above 'every 5th'  
    (we can't have the 7th Monday in a month)
```

```
    If Not Intersect(Target, Range("D6" )) Is Nothing And Range("B7" ).Value = False And Range  
    ("B13" ).Value > 5 Then Range("E6" ).Value = "Day"
```

```
End Sub
```



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 > 3 Then Exit Sub
5     If Not Intersect(Target, Range("D15:O99" )) Is Nothing And Range("D" & Target.Row).Value
6         <> Empty Then
7             Range("B2" ).Value = Target.Row 'Set Selected Row
8             MembPlan_Load 'Run Macro to load plan
9         End If
    End Sub
```

```

1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     'Member Name Search
5     If Not Intersect(Target, Range("F3" )) Is Nothing And Range("F3" ).Value <> Empty Then
6         If Range("B2" ).Value = Empty Then
7             MsgBox "Please enter a correct Member Name"
8             Exit Sub
9         Else
10            Range("B4" ).Value = Range("B2" ).Value 'Load Member ID
11            Member_Load
12        End If
13    End If
14
15    'Member ID Search
16    If Not Intersect(Target, Range("H3" )) Is Nothing And Range("H3" ).Value <> Empty Then
17        If Range("B3" ).Value = Empty Then
18            MsgBox "Please enter a correct Member ID"
19            Exit Sub
20        Else
21            Range("B4" ).Value = Range("H3" ).Value 'Load Member ID
22            Member_Load
23        End If
24    End If
25
26    'On Plan change, show description
27    If Not Intersect(Target, Range("F15" )) Is Nothing And Range("F15" ).Value <> Empty And
Range("B15" ).Value <> Empty Then
28        Dim PlanRow As Long
29        PlanRow = Range("B15" ).Value 'Plan Row
30        Range("F17" ).Value = MemberPlans.Range("F" & PlanRow).Value & " (" & MemberPlans.
Range("G" & PlanRow).Value & ")" 'Set Plan Description & Frequency
31    End If
32
33 End Sub
34
35 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
36     If Target.CountLarge > 1 Then Exit Sub
37     If Not Intersect(Target, Range("E5:G5" )) Is Nothing Then
38         Application.ScreenUpdating = False
39         If Not Intersect(Target, Range("E5" )) Is Nothing Then Tab_GeneralInfo
40         If Not Intersect(Target, Range("F5" )) Is Nothing Then Tab_Billing
41         If Not Intersect(Target, Range("G5" )) Is Nothing Then Tab_CheckinOut
42         Range("F3" ).Select
43         Application.ScreenUpdating = True
44     End If
45 End Sub

```

```

1 Option Explicit
2 Dim PicFolder As String, PicPath As String
3 Dim SignDBRow As Long, MembRow As Long
4 Private Sub Worksheet_Change(ByVal Target As Range)
5     If Not Intersect(Target, Range("E8" )) Is Nothing And Range("E8" ).Value <> Empty Then
6         If Range("B8" ).Value = Empty Then 'Incorrect ID
7             MsgBox "Please enter a correct Member ID"
8             Target.ClearContents
9             Target.Select
10            Exit Sub
11        Else 'Correct ID
12            'New Sign in
13            If Range("B6" ).Value = Empty Or SignInOutDB.Range("D" & Range("B6" ).Value).Value
14                <> "" Then 'New Sign In
15                SignDBRow = SignInOutDB.Range("A9999" ).End(xlUp).Row + 1
16                SignInOutDB.Range("A" & SignDBRow).Value = Range("E8" ).Value 'Member ID
17                SignInOutDB.Range("B" & SignDBRow).Value = Range("B7" ).Value 'Set Current Date
18                SignInOutDB.Range("C" & SignDBRow).Value = Now 'Set Sign in Time
19                SignInOutDB.Range("F" & SignDBRow).Value = "=Row()"
20            Else 'Existing DB Row (Sign Out)
21                SignDBRow = Range("B6" ).Value 'Sign In/Out DB Row
22                SignInOutDB.Range("D" & SignDBRow).Value = Now 'Set Sign Out Time
23            End If
24            'Create Fade Out message
25            Calculate
26            'Check for Member Picture
27            If Setup.Range("MemberFolder" ).Value <> Empty Then
28                PicFolder = Setup.Range("MemberFolder" ).Value & "\"
29                MembRow = Range("B8" ).Value 'Member Row
30                PicPath = PicFolder & MemberDB.Range("K" & MembRow).Value 'Picture Path
31                If Dir(PicPath, vbDirectory) = "" Or Dir(PicPath, vbDirectory) = "." Then
32                    Shapes("MembPic" ).Fill.Visible = msoFalse
33                Else 'Existing Picture
34                    Shapes("MembPic" ).Fill.UserPicture (PicPath) 'Add Member Picture
35                    Shapes("MembPic" ).Fill.Visible = msoCTrue
36                End If
37            End If
38            NoPic:
39            With Shapes("MembMsg" )
40                Dim i As Long, Delay As Double, StartTime As Double
41                .Visible = True
42                Shapes("MembPic" ).Visible = msoCTrue
43                For i = 1 To 75
44                    .Fill.Transparency = i / 75
45                    Shapes("MembPic" ).Fill.Transparency = i / 75
46                    Delay = 0#
47                    StartTime = Timer
48                    Do
49                        DoEvents
50                        Loop While Timer - StartTime < Delay
51                    Next i
52                    .Visible = False
53                    Shapes("MembPic" ).Visible = False
54                End With
55            End If
56            Range("E8" ).ClearContents
57            If ActiveSheet.CodeName = "ScaninOut" Then Range("E8" ).Select
58        End If
59    End Sub

```

1 Option Explicit

2

1	Option Explicit
2	



1 Option Explicit  
2

1 Option Explicit

2

```
1 Option Explicit
2
3 Private Sub Workbook_Open()
4     'Recurring_CheckAndCreate
5 End Sub
```

```

1 Option Explicit
2 Dim InvRow As Long, InvItemRow As Long, LastRow As Long, LastItemRow As Long
3 Dim ResultRow As Long, LastResultRow As Long, ItemRow As Long, MembRow As Long
4
5 Sub Invoice_Load()
6     With Invoice
7         If .Range("B4").Value = Empty Then
8             MsgBox "Please enter a correct Invoice #"
9             Exit Sub
10        End If
11
12        .Range("B7").Value = True 'Set Invoice Load To True
13        InvRow = .Range("B4").Value 'Invoice Row
14        .Range("D16:F16,D18:F32,K8:L8,I5:I7,K8:L8,H10:K26,M10:M29").ClearContents 'Clear Invoice Fields
15        .Range("B2,B9:B11").Value = False 'Set Email, Save & Print to Unselected
16        .Range("L3").Value = InvoiceList.Range("B" & InvRow).Value 'Date
17        .Range("I5").Value = InvoiceList.Range("C" & InvRow).Value 'Member
18        .Range("K8").Value = InvoiceList.Range("E" & InvRow).Value 'Staff
19
20        'Load Invoice Items
21        LastRow = InvoiceItems.Range("A9999").End(xlUp).Row 'Last Item Row
22        If LastRow < 3 Then GoTo NoItems
23        InvoiceItems.Range("A2:G" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=
24        InvoiceItems.Range("I2:I3"), CopyToRange:=InvoiceItems.Range("K2:Q2"), Unique:=False
25        LastResultRow = InvoiceItems.Range("K9999").End(xlUp).Row
26        If LastResultRow < 3 Then GoTo NoItems
27        For ResultRow = 3 To LastResultRow
28            InvItemRow = InvoiceItems.Range("P" & ResultRow).Value 'Invoice Row
29            .Range("H" & InvItemRow & ":K" & InvItemRow).Value = InvoiceItems.Range("L" &
30            ResultRow & ":O" & ResultRow).Value 'Item, Desc, Qty, Price
31            .Range("M" & InvItemRow).Value = InvoiceItems.Range("Q" & ResultRow).Value 'Bring
32            over item row
33        Next ResultRow
34        NoItems:
35        .Range("B7").Value = False 'Set Invoice Load To False
36    End With
37 End Sub
38
39 Sub Invoice_New()
40     With Invoice
41         .Range("B7").Value = True 'Invoice Load to True
42         .Range("B2").Value = False 'Set recurring to false
43         .Range("B8,D16:F16,D18:F32,L2,K8:L8,I5:I7,H10:K26,M10:M29").ClearContents 'Clear Invoice Fields
44         .Range("L2").Value = .Range("B6").Value 'Set Next Inv. #
45         .Range("B18,L3").Value = Date 'Set Current Date
46         .Range("B9:B11").Value = False 'Set Email, Save & Print to Unselected
47         .Range("B7").Value = False
48     End With
49 End Sub
50
51 Sub Invoice_Print()
52     Invoice.PrintOut , , , False, , , , False
53 End Sub
54
55 Sub Invoice_SavedMsg()
56     With Invoice.Shapes("InvSavedMsg")
57         Dim i As Long, Delay As Double, StartTime As Double
58         .Visible = True
59         For i = 1 To 100
60             .Fill.Transparency = i / 100
61         Next i
62     End With
63 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 = False
64 End With
65 End Sub

66
67 Sub Invoice_SaveUpdate()
68     With Invoice
69         'Determine New or Existing Invoice
70         If .Range("B4").Value = Empty Then 'New Invoice
71             InvRow = InvoiceList.Range("A99999").End(xlUp).Row + 1 'First Available Row
72             .Range("L2").Value = .Range("B6").Value 'Add Invoice Number
73             InvoiceList.Range("A" & InvRow).Value = .Range("B6").Value 'Add Invoice #
74         Else: 'Existing Invoice
75             InvRow = .Range("B4").Value 'Existing Invoice Row
76         End If
77         InvoiceList.Range("B" & InvRow).Value = .Range("L3").Value 'Date
78         InvoiceList.Range("C" & InvRow).Value = .Range("I5").Value 'Member Name
79         InvoiceList.Range("D" & InvRow).Value = .Range("B26").Value 'Member ID
80         InvoiceList.Range("E" & InvRow).Value = .Range("K8").Value 'Assigned Staff
81         InvoiceList.Range("F" & InvRow).Value = .Range("L32").Value 'Invoice Total
82
83         'Add / Update Invoice Items
84         LastItemRow = .Range("H29").End(xlUp).Row 'Last Invoice Item Row
85         If LastItemRow < 10 Then GoTo NoItems
86         For ItemRow = 10 To LastItemRow
87             If .Range("M" & ItemRow).Value <> Empty Then 'Existing Row
88                 InvItemRow = .Range("M" & ItemRow).Value 'Invoice Item DB Row
89             Else 'New Row
90                 InvItemRow = InvoiceItems.Range("A9999").End(xlUp).Row + 1 'First Available
91                 Row
92                 InvoiceItems.Range("A" & InvItemRow).Value = .Range("L2").Value 'Invoice #
93                 .Range("M" & ItemRow).Value = InvItemRow 'Invoice Item Row
94                 InvoiceItems.Range("G" & InvItemRow).Value = "=Row()" 'Add Row #
95             End If
96             InvoiceItems.Range("B" & InvItemRow & ":E" & InvItemRow).Value = .Range("H" &
97                 ItemRow & ":K" & ItemRow).Value 'Add Desc, Qty, Price
98             InvoiceItems.Range("F" & InvItemRow).Value = ItemRow 'Add/Update Invoice Row
99         Next ItemRow
100        NoItems:
101        'Save Recurring Template (option)
102        If .Range("B2").Value = True Then 'On Recurring Active
103            If .Range("B1").Value = Empty Or .Range("B8").Value <> "" Then
104                Recurring_SaveUpdate 'Save /Update Invoice Template
105                'Update Next Bill Date For Members
106                If .Range("B3").Value <> Empty Then
107                    MembRow = .Range("B3").Value 'Member Row
108                    MemberDB.Range("L" & MembRow).Value = .Range("B16").Value 'Next
109                    Invoice/Billing Date
110                End If
111            End If
112        End With
113
114        Invoice_SavedMsg 'Run Fade out message
115    End Sub

```

```

1 Option Explicit
2 Dim MembRow As Long, MembCol As Long, LastRow As Long, LastResultRow As Long
3 Dim PicFolder As String, DefaultPic As String, PicPath As String
4 Dim PicFile As FileDialog
5
6
7
8 Sub Member_AddNew()
9     Members.Range(
10         "B4,F3,H3,F7,F9,F11,F13,F15,F17:H17,F19,F21:H24,J20,H7,H9,H11,H13,H15,E29:J58,E62:J92" ).
11         ClearContents
12     Member_ClearPicture 'Clear Member Picture
13     Tab_GeneralInfo 'Select Gen Info Tab
14     Members.Range("F7" ).Select
15 End Sub
16
17 Sub Member_AddPicture()
18     If Setup.Range("MemberFolder" ).Value = Empty Then
19         MsgBox "Please make sure to add a Member Folder path in the Setup screen"
20         Setup_AddMemberPicFolder
21         Exit Sub
22     End If
23     PicFolder = Setup.Range("MemberFolder" ).Value & "\"
24     If Dir(PicFolder, vbDirectory) = "" Then
25         MsgBox "Please make sure to set a correct Member Folder path in the Setup screen"
26         Setup_AddMemberPicFolder
27         Exit Sub
28     End If
29
30     Set PicFile = Application.FileDialog(msoFileDialogFilePicker)
31     With PicFile
32         .Title = "Please select a Member picture"
33         .Filters.Add "Picture Files" , "*.jpg,*.png,*.gif" , 1
34         .AllowMultiSelect = False
35         If .Show <> -1 Then GoTo NoSelection
36         PicPath = PicFolder & Dir(.SelectedItems(1))
37         If PicPath = .SelectedItems(1) Then GoTo SkipCopy
38         If Dir(PicFolder & Dir(.SelectedItems(1)), vbDirectory) <> "" Then Kill (PicFolder &
39             Dir(.SelectedItems(1))) 'Remove picture if exists
40         FileCopy .SelectedItems(1), PicPath 'Copy Member Picture into Members picture folder
41         SkipCopy:
42         Members.Range("J20" ).Value = Dir(.SelectedItems(1)) 'Set Picture Name
43         Member_ShowPicture
44     End With
45     NoSelection:
46 End Sub
47
48 Sub Member_BillingHistory()
49     With InvoiceList
50         LastRow = .Range("A99999" ).End(xlUp).Row
51         If LastRow < 3 Then Exit Sub
52         .Range("A2:F" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range("I2:I3" ),
53             CopyToRange:=.Range("K2:N2" ), Unique:=True
54         LastResultRow = .Range("K99999" ).End(xlUp).Row
55         If LastResultRow < 3 Then Exit Sub
56         Members.Range("E29:H59" ).Value = .Range("K3:N33" ).Value
57     End With
58 End Sub
59
60 Sub Member_ClearPicture()
61     DefaultPic = Setup.Range("DefaultMembPic" ).Value 'Default Member Picture
62     'On Error Resume Next

```

```

1
58 If Dir(DefaultPic, vbDirectory) <> "" Then
59     Members.Shapes("IDGrp" ).GroupItems("PicFrame" ).Fill.UserPicture (DefaultPic)
60     Members.Shapes("IDGrp" ).GroupItems("PicFrame" ).Fill.Visible = msoCTrue
61 Else 'No Default Picture
62     Members.Shapes("IDGrp" ).GroupItems("PicFrame" ).Fill.Visible = msoFalse 'Hide Picture
63 End If
64 End Sub

65
66 Sub Member_CreateInvoice()
67     Dim PlanRow As Long
68     With Members
69         If .Range("B5" ).Value = Empty Then 'Check for saved Member
70             MsgBox "Please save this member before creating an invoice"
71             Exit Sub
72         End If
73         If .Range("B15" ).Value = Empty Then 'Check For added Member Plan
74             MsgBox "Please add a Membership Plan before creating an invoice"
75             Exit Sub
76         End If
77         PlanRow = .Range("B15" ).Value 'Member Plan Row
78         Invoice_New 'Clear Out Existing Invoice
79         Invoice.Range("I5" ).Value = .Range("F7" ).Value 'Set Member Name
80         Invoice.Range("H10" ).Value = .Range("F15" ).Value 'Plan Name
81         Invoice.Range("I10" ).Value = MemberPlans.Range("F" & PlanRow).Value 'Plan
            Description
82         Invoice.Range("J10" ).Value = 1 'Default Qty
83         Invoice.Range("K10" ).Value = MemberPlans.Range("E" & PlanRow).Value 'Plan Amount
84         'Add Recurring details
85         Invoice.Range("B2,B9:B11" ).Value = True 'Set Recurring options to True
86         Invoice.Range("E4" ).Value = MemberPlans.Range("J" & PlanRow).Value 'Every Qty
87         Invoice.Range("F4" ).Value = MemberPlans.Range("K" & PlanRow).Value 'Every Frequency
88         Invoice.Range("E5" ).Value = MemberPlans.Range("L" & PlanRow).Value 'Weekly Freq
89         Invoice.Range("D6" ).Value = MemberPlans.Range("M" & PlanRow).Value 'Monthly Option
90         Invoice.Range("E6" ).Value = MemberPlans.Range("N" & PlanRow).Value 'Monthly day
91         Invoice.Range("E7" ).Value = MemberPlans.Range("O" & PlanRow).Value 'Days Before
92         Invoice.Activate 'Activate Invoice
93     End With
94
95 End Sub
96 Sub Member_Delete()
97     If MsgBox("Are you sure you want to delete this Member?" , vbYesNo, "Delete Member" ) =
        vbNo Then Exit Sub
98     If Members.Range("B5" ).Value = Empty Then 'New Member (unsaved)
99         Member_AddNew
100        Exit Sub
101    Else
102        MembRow = Members.Range("B5" ).Value 'Member Row
103        MemberDB.Range(MembRow & ":" & MembRow).EntireRow.Delete
104        Member_AddNew
105    End If
106 End Sub
107 Sub Member_Load()
108     With Members
109         .Range(
            "F3,H3,F7,F9,F11,F13,F15,F17:H17,F19,F21:H24,J20,H7,H9,H11,H13,H15,E29:J58,E62:J92" ).
            ClearContents
110         If .Range("B5" ).Value = Empty Then
111             MsgBox "Please enter a correct Member Name or Member ID to load member"
112             Exit Sub
113         End If

```

```

1 2
114     MembRow = .Range("B5" ).Value 'Member Row
115     For MembCol = 2 To 14
116         .Range(MemberDB.Cells(1, MembCol).Value).Value = MemberDB.Cells(MembRow, MembCol).
            Value 'Load Data
117     Next MembCol
118     Member_ShowPicture 'Show Member Picture
119     Member_BillingHistory 'Load Billing History
120     Member_LoadSignInOutHistory 'Load Sign In/Out History
121 End With
122 End Sub
123
124 Sub Member_LoadSignInOutHistory()
125     With SignInOutDB
126         LastRow = .Range("A99999" ).End(xlUp).Row
127         If LastRow < 3 Then Exit Sub
128         .Range("A2:F" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range("I2:I3" ),
            CopyToRange:=.Range("K2:O2" ), Unique:=True
129         LastResultRow = .Range("K99999" ).End(xlUp).Row
130         If LastResultRow < 3 Then Exit Sub
131         Members.Range("E62:H" & LastResultRow + 59).Value = .Range("K3:N" & LastResultRow).
            Value
132     End With
133 End Sub
134
135
136 Sub Member_PrintIDCard()
137     Members.PageSetup.PrintArea = "$J$8:$J$17" 'Set Print Area
138     Members.PrintOut , , , , True, False, , , False
139 End Sub
140 Sub Member_SavedMessage()
141     With Members.Shapes("MembSavedMsg" )
142         Dim i As Long, Delay As Double, StartTime As Double
143         .Visible = True
144         For i = 1 To 100
145             .Fill.Transparency = i / 100
146             Delay = 0.005
147             StartTime = Timer
148             Do
149                 DoEvents
150                 Loop While Timer - StartTime < Delay
151             Next i
152             .Visible = False
153         End With
154 End Sub
155 Sub Member_SaveUpdate()
156     With Members
157         If .Range("F7" ).Value = Empty Then
158             MsgBox "Please make sure to add a Member Name before saving"
159             Exit Sub
160         End If
161         If .Range("B5" ).Value = Empty Then 'New member
162             MembRow = MemberDB.Range("A999999" ).End(xlUp).Row + 1 'First Avail Row
163             .Range("B4" ).Value = .Range("B6" ).Value 'New Member ID
164             MemberDB.Range("A" & MembRow).Value = .Range("B4" ).Value 'New Member ID
165         Else 'Existing Member
166             MembRow = .Range("B5" ).Value 'Member Row
167         End If
168         'Data Mapping
169         For MembCol = 2 To 14
170             MemberDB.Cells(MembRow, MembCol).Value = .Range(MemberDB.Cells(1, MembCol).Value).
                Value 'Save Data

```

1 2 3



```
171     1 2 3  
172     Next MembCol  
173     End With  
174     Member_SavedMessage  
174 End Sub  
175 Sub Member_ShowPicture()  
176     If Members.Range("J20").Value = Empty Then  
177         Member_ClearPicture  
178         Exit Sub  
179     End If  
180     PicFolder = Setup.Range("MemberFolder").Value & "\"  
181     PicPath = PicFolder & Members.Range("J20").Value & "Member Picture"  
182     If Dir(PicPath, vbDirectory) = "" Then  
183         MsgBox "Please make sure to set a correct Member Folder path in the Setup screen"  
184         Exit Sub  
185     End If  
186     Members.Shapes("IDGrp").GroupItems("PicFrame").Fill.UserPicture (PicPath) 'Set Picture  
187     Members.Shapes("IDGrp").GroupItems("PicFrame").Fill.Visible = msoCTrue 'Ensure picture  
187     is visible  
188 End Sub
```

```

1 Option Explicit
2 Dim PlanRow As Long, PlanCol As Long
3
4 Sub MembPlan_AddNew()
5     MemberPlans.Range("B2,E3:F3,H3,E5:H5" ).ClearContents
6     MemberPlans.Range("E3" ).Select
7 End Sub
8
9 Sub MembPlan_Delete()
10    If MsgBox("Are you sure you want to delete this Member Plan?" , vbYesNo, "Delete Member
11    Plan" ) = vbNo Then Exit Sub
12    With MemberPlans
13        If .Range("B2" ).Value = Empty Then GoTo NotSaved
14        PlanRow = .Range("B2" ).Value 'Member Row
15        .Range(PlanRow & ":" & PlanRow).EntireRow.Delete
16        NotSaved:
17        MembPlan_AddNew 'Run Macro to add new
18    End With
19 End Sub
20
21
22
23 Sub MembPlan_Load()
24    With MemberPlans
25        MemberPlans.Range("E3:F3,H3,E5:H5" ).ClearContents
26        If .Range("B2" ).Value = Empty Then Exit Sub
27        PlanRow = .Range("B2" ).Value
28        For PlanCol = 4 To 15
29            If PlanCol = 7 Or PlanCol = 8 Or PlanCol = 9 Then GoTo SkipCol 'Skip on empty
30            columns
31            .Range(.Cells(14, PlanCol).Value).Value = .Cells(PlanRow, PlanCol).Value 'Load Data
32        Next PlanCol
33    End With
34 End Sub
35
36 Sub MembPlan_SavedMessage()
37    With MemberPlans.Shapes("PlanSavedMsg" )
38        Dim i As Long, Delay As Double, StartTime As Double
39        .Visible = True
40        For i = 1 To 100
41            .Fill.Transparency = i / 100
42            Delay = 0.005
43            StartTime = Timer
44            Do
45                DoEvents
46            Loop While Timer - StartTime < Delay
47        Next i
48        .Visible = False
49    End With
50 End Sub
51
52 Sub MembPlan_SaveUpdate()
53    With MemberPlans
54        If .Range("E3" ).Value = Empty Then
55            MsgBox "Please make sure to add a Plan Name before saving"
56            Exit Sub
57        End If
58    End With

```

```
59 1 2 If .Range("B2" ).Value = Empty Then 'New Plan
60     PlanRow = .Range("D99" ).End(xlUp).Row + 1
61     .Range("B2" ).Value = PlanRow 'Set Selected Plan Row
62 Else 'Existing Plan
63     PlanRow = .Range("B2" ).Value
64 End If
65
66 For PlanCol = 4 To 15
67     If PlanCol = 8 Or PlanCol = 9 Then GoTo SkipCol 'Skip on empty columns
68     .Cells(PlanRow, PlanCol).Value = .Range(.Cells(14, PlanCol).Value).Value
69     SkipCol:
70 Next PlanCol
71 End With
72 MembPlan_SavedMessage
73 End Sub
```

```

1 Option Explicit
2 Dim TempRow As Long, TempCol As Long, LastRow As Long, LastResultRow As Long, ResultRow As
   Long
3 Dim TempDBRow As Long, VarRow As Long
4 Dim EmailTo As String, Subj As String, Mesg As String, SaveFolder As String, FileName As
   String, FilePath As String, SendEmail As String
5 Dim OutApp As Object, OutMail As Object
6 Dim SaveTo As FileDialog
7
8 Sub Browse_SaveToFolder()
9     Set SaveTo = Application.FileDialog(msoFileDialogFolderPicker)
10    With SaveTo
11        .Title = "Select Folder to Save to"
12        .AllowMultiSelect = False
13        If .Show <> -1 Then GoTo NoSelection
14        Invoice.Range("E13" ).Value = .SelectedItems(1)
15    NoSelection:
16    End With
17 End Sub
18
19 Sub Invoice_SaveToFile()
20     If Invoice.Range("B10" ).Value = True Then
21         Invoice.Shapes("SaveFolderBtn" ).Visible = msoCTrue
22     Else
23         Invoice.Shapes("SaveFolderBtn" ).Visible = msoFalse
24     End If
25 End Sub
26
27 Sub Recurring_CheckAndCreate()
28     With InvTempDB
29         LastRow = .Range("A99999" ).End(xlUp).Row
30         If LastRow < 3 Then Exit Sub
31         .Range("A3:U" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range("W2:X3" ),
           CopyToRange:=.Range("AA2:A02" ), Unique:=True
32         LastResultRow = .Range("AA99999" ).End(xlUp).Row
33         If LastResultRow < 3 Then Exit Sub
34         Invoice.PageSetup.PrintArea = Invoice.Range("H2:L32" ).Address 'Set Print Range
35         Set OutApp = CreateObject("Outlook.Application" ) 'Set Outlook Application
36         For ResultRow = 3 To LastResultRow
37             TempDBRow = .Range("A0" & ResultRow).Value
38             Invoice.Range("N2" ).Value = .Range("AA" & ResultRow).Value 'Set Invoice # to Load
           Invoice
39             Invoice.Range("L2" ).Value = .Range("B6" ).Value 'Set New Invoice #
40             Invoice.Range("M10:M29" ).ClearContents 'Clear Assigned Invoice Item DB Rows
41             Invoice.Range("L3" ).Value = .Range("AM" & ResultRow).Value 'Next Invoice Date
42             Invoice_SaveUpdate 'Create New Invoice
43             'Check for Email or Save
44             If Invoice.Range("B9" ).Value = True Or Invoice.Range("B10" ).Value = True Then
           'Save As PDF
45                 SaveFolder = .Range("AH" & ResultRow).Value & "\" 'Save Invoice Folder
46                 FileName = .Range("AF" & ResultRow).Value & .Range("AG" & ResultRow).Value '
           File Name
47                 EmailTo = Invoice.Range("B29" ).Value 'Member Email (if any)
48                 Subj = .Range("AI" & ResultRow).Value 'Email Subject (if any)
49                 Mesg = .Range("AJ" & ResultRow).Value 'Email Message (if any)
50                 SendEmail = .Range("AK" & ResultRow).Value 'Display/Send Email Option
51                 'Get File & Email Variables
52                 For VarRow = 28 To 35
53                     FileName = Replace(FileName, Invoice.Range("A" & VarRow).Value, Invoice.Range
           ("B" & VarRow).Value) 'Replace Variables in File Name
54                 If Invoice.Range("B9" ).Value = True Then 'Sending Email, Get Variables

```

1 2 3 4 5 6

```

55     1 2 3 4 5 6 Subj = Replace(Subj, Invoice.Range("A" & VarRow).Value, Format(Invoice.
Range("B" & VarRow).Value, Invoice.Range("B" & VarRow).NumberFormat))
'Replace Variables in Email Subject
56     Mesg = Replace(Mesg, Invoice.Range("A" & VarRow).Value, Format(Invoice.
Range("B" & VarRow).Value, Invoice.Range("B" & VarRow).NumberFormat))
'Replace variables in Email Message
57     End If
58     Next VarRow
59     FilePath = SaveFolder & FileName & ".pdf"
60     If Dir(FilePath, vbDirectory) <> "" Then Kill (FilePath) 'Remove any existing
file with the same name
61     If Dir(FilePath, vbDirectory) = "" Then
62         MsgBox "Incorrect Folder Path"
63         GoTo SkipEmail
64     End If
65
66     Invoice.ExportAsFixedFormat xlTypePDF, FilePath, , , False, , , False
67     If Invoice.Range("B9" ).Value = True Then 'Create Email
68         Set OutMail = OutApp.CreateItem(0) 'Create Email
69         With OutMail
70             .To = EmailTo
71             .Subject = Subj
72             .body = Mesg
73             .attachments.Add FilePath
74             If SendEmail = "Send Email" Then .send Else .display
75         End With
76     End If
77     SkipEmail:
78     End If
79     If Invoice.Range("B11" ).Value = True Then Invoice.PrintOut , , , False, True, False
, , , False 'Print Out
80     Invoice.Range("B18" ).Value = .Range("AM" & ResultRow).Value 'Set Last Invoice
Date
81     Invoice.Calculate 'Force calculation
82     .Range("R" & TempDBRow).Value = Invoice.Range("L3" ).Value 'Set Last Invoice date
83     .Range("S" & TempDBRow).Value = Invoice.Range("B16" ).Value 'Next Invoice Date
84     .Range("T" & TempDBRow).Value = Invoice.Range("B17" ).Value 'Set Create on Date
85     Next ResultRow
86     End With
87     'ThisWorkbook.Close True ' (you can uncomment this out to save and close the workbook on
completion of the macro)
88 End Sub
89
90
91 Sub Recurring_Load()
92     With Invoice
93         If .Range("B1" ).Value = Empty Then Exit Sub
94         TempRow = .Range("B1" ).Value 'Template Row
95         For TempCol = 2 To 18
96             .Range(InvTempDB.Cells(1, TempCol).Value).Value = InvTempDB.Cells(TempRow, TempCol).
Value 'Load Data
97         Next TempCol
98     End With
99
100 End Sub
101
102 Sub Recurring_SaveUpdate()
103     With Invoice
104         If .Range("B4" ).Value = Empty Then
105             MsgBox "Please save the Invoice before saving the recurring details"
106             Exit Sub

```

```

107     End If
108     If .Range("B1").Value = Empty Then 'New Template
109         TempRow = InvTempDB.Range("A99999").End(xlUp).Row + 1
110         InvTempDB.Range("A" & TempRow).Value = .Range("L2").Value 'Invoice ID
111         InvTempDB.Range("U" & TempRow).Value = "=Row()"
112     Else 'Existing Template
113         TempRow = .Range("B1").Value 'Existing Invoice Template Row
114     End If
115
116     For TempCol = 2 To 20
117         InvTempDB.Cells(TempRow, TempCol).Value = .Range(InvTempDB.Cells(1, TempCol).Value).
118         Value 'Save/Update Data
119     Next TempCol
120     InvTempDB.Range(TempRow & ":" & TempRow).WrapText = False
121     .Range("B8").Value = .Range("L2").Value 'Set Invoice # for template
122 End With
123 End Sub
124
125 Sub Recurring_Toggle()
126     With Invoice
127         If .Range("B2").Value = False Then 'No Recurring
128             .Shapes("AfterCreateGrp").Visible = msoFalse
129             .Shapes("SaveFolderBtn").Visible = msoFalse
130         Else 'Recurring
131             .Shapes("AfterCreateGrp").Visible = msoCTrue
132             .Shapes("SaveFolderBtn").Visible = msoCTrue
133             .Range("B9:B11").Value = True
134         End If
135     End With
136 End Sub

```

```
1 Option Explicit
2 Dim PicFolder As FileDialog, DefPic As FileDialog
3
4
5 Sub Setup_AddDefaultMemberPic()
6     Set DefPic = Application.FileDialog(msoFileDialogFilePicker)
7     With DefPic
8         .Title = "Please select a the member default picture"
9         .Filters.Add "Picture Files" , "*.jpg,*.png,*.gif" , 1
10        .AllowMultiSelect = False
11        If .Show <> -1 Then GoTo NoSelection
12        Setup.Range("M10" ).Value = .SelectedItems(1) 'Set Folder Path
13        NoSelection:
14    End With
15 End Sub
16 Sub Setup_AddMemberPicFolder()
17     Set PicFolder = Application.FileDialog(msoFileDialogFolderPicker)
18     With PicFolder
19         .Title = "Please select a the member picture folder"
20         .AllowMultiSelect = False
21         If .Show <> -1 Then GoTo NoSelection
22         Setup.Range("M9" ).Value = .SelectedItems(1) 'Set Folder Path
23         NoSelection:
24     End With
25 End Sub
```

```
1 Option Explicit
2
3 Sub Tab_Billing()
4     With Members
5         .Range("B1" ).Value = 6 'Set Tab Column
6         .Range("27:59" ).EntireRow.Hidden = False
7         .Range("7:26,60:92" ).EntireRow.Hidden = True
8         .Shapes("IDGrp" ).Visible = msoFalse 'Hide ID Group
9     End With
10 End Sub
11
12 Sub Tab_CheckinOut()
13     With Members
14         .Range("B1" ).Value = 7 'Set Tab Column
15         .Range("60:92" ).EntireRow.Hidden = False 'Show Roww
16         .Range("7:59" ).EntireRow.Hidden = True 'Hide Rows
17         .Shapes("IDGrp" ).Visible = msoFalse 'Hide ID Group
18     End With
19 End Sub
20
21 Sub Tab_GeneralInfo()
22     With Members
23         .Range("B1" ).Value = 5 'Set Tab Column
24         .Range("7:26" ).EntireRow.Hidden = False 'Display rows
25         .Range("27:92" ).EntireRow.Hidden = True
26         .Shapes("IDGrp" ).Visible = msoCTrue 'Show ID Group
27     End With
28 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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