

# VBA SOURCE CODE BOOK

## WEEK VIEW SCHEDULER PT. 2

Week View Scheduler [Part 2]  
Sunday, May 06, 2018 to Saturday, May 12, 2018

Time	Dur.	Details	Time	Dur.	Details
5:00a			5:00a		
5:15a			5:15a		
5:30a			5:30a		
5:45a	0:45	David Breakman	5:45a		
6:00a			6:00a		
6:15a			6:15a	1:00	Jeff Johns
6:30a			6:30a		
6:45a			6:45a		
7:00a			7:00a		
7:15a			7:15a		
7:30a			7:30a		
7:45a			7:45a		
8:00a	0:45	David Breakman	8:00a		
8:15a			8:15a		
8:30a			8:30a		
8:45a			8:45a	1:00	Alex Sampson
9:00a			9:00a		
9:15a			9:15a		
9:30a			9:30a		
			9:45a		

Reminder for your appointment on Monday, May 07, 2018 at 10:30 AM - Message (HTML)

Reminder for your appointment on Monday, May 07, 2018 at 6:15 AM - Message (HTML)

Reminder for your appointment on Monday, May 07, 2018 at 10:30 AM - Message (HTML)

Reminder for your appointment on Monday, May 07, 2018 at 10:30 AM - Message (HTML)

From: Randy@ExcelForFreelancers.com  
To: Jeff@Gmail.com  
Subject: Reminder for your appointment on Monday, May 07, 2018 at 10:30 AM  
Attachments: OfficeMap.png (890 KB)

Hello David Breakman,



*Excel For Freelancers*

Create Automated Reminder  
Emails with Customized  
Templates in this Excel Week  
View Schedule  
[Part 2]



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by: *Randy Austin*

# ABOUT THE AUTHOR

A two-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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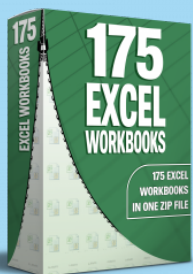
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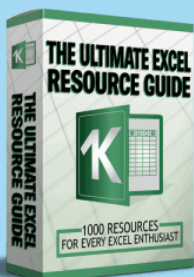
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```
1 Option Explicit
2 Dim DbCol As Long
3 Dim DbSht As String
4 Private Sub Worksheet_Change(ByVal Target As Range)
5     If Target.Count > 1 Then Exit Sub
6     If Not Intersect(Target, Range("E6:X101")) Is Nothing And Range("B2").Value = False Then
7         'Any Change withing the Schedule but not on Schedule Refresh
8         DbSht = Cells(110, Target.Column).Value 'Get Sheet Name
9         DbCol = Cells(111, Target.Column).Value 'Get Sheet Column
10        'On Duration Change
11        If Cells(5, Target.Column).Value = "Dur." And Cells(111, Target.Column).Value <> Empty
12            Then 'Duration Change and Check for proper database columnn
13                'Update Colors
14                If Range("B6").Value <> Empty Then Range(Cells(Target.Row, Target.Column), Cells(
15                    Target.Row + Range("B6").Value - 1, Target.Column + 1)).Interior.Color = 16777215
16                'Clear Previos Colors Based on Previous Duration (if any)
17                Range("B5").Value = Target.Value 'Set New Duration in holding cell
18                If Target.Value <> Empty Then Range(Cells(Target.Row, Target.Column), Cells(Target.
19                    Row + Range("B6").Value - 1, Target.Column + 1)).Interior.Color = Range(
20                    "FillColor").Interior.Color 'Add New Color
21                Sheets("" & DbSht & "").Cells(Target.Row, DbCol).Value = Range("B6").Value
22                'Place Appointment Info in Database
23            End If
24        'On Details Change
25        If Cells(5, Target.Column).Value = "Details" And Cells(111, Target.Column).Value <>
26            Empty Then
27            Sheets("" & DbSht & "").Cells(Target.Row, DbCol + 1).Value = Target.Value
28            If Target.Value <> Empty Then 'To Send Email for newly Scheduled Appointment
29                Sheet4.Range("B2").Value = Target.Address 'Enter Address of Changed Cell
30                SendNewApptEmail
31            End If
32        End If
33    End If
34
35    If Not Intersect(Target, Range("B3,AB4")) Is Nothing Then ScheduleRefresh 'Refresh
36    Schedule on Date Change or Start Day Change
37 End Sub
38
39 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
40     If Target.Count > 1 Then Exit Sub
41     If Not Intersect(Target, Range("E6:E101,H6:H101,K6:K101,N6:N101,Q6:Q101,T6:T101,W6:W101"))
42         Is Nothing And Target.Value <> Empty Then
43         Range("B5").Value = Target.Value 'Place Selected Duration if Exist
44     End If
45 End Sub
46
47
```

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1 Option Explicit

2



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1 Option Explicit

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```
1 Option Explicit
2
3 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
4     Dim FirstRow, LastRow As Long
5     If Not Intersect(Target, Range("E3:I3" )) Is Nothing Then
6         If Target.Count > 1 Then Exit Sub
7         StopCode
8         Range("4:53" ).EntireRow.Hidden = True
9         FirstRow = 4 + (10 * (Target.Column - 5))
10        LastRow = FirstRow + 9
11        Range(Cells(FirstRow, 1), Cells(LastRow, 1)).EntireRow.Hidden = False
12        Range("B3" ).Value = Target.Column
13        ResetCode
14    End If
15 End Sub
16
17
```

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```

1 Option Explicit
2 Dim ThisDay As Date
3 Dim ThisYear, ThisMth As Date
4 Dim CreateCal As Boolean
5 Dim i As Integer
6 Private Sub Build_Calendar()
7     'the routine that actually builds the calendar each time
8     If CreateCal = True Then
9         CalendarFrm.Caption = " " & CB_Mth.Value & " " & CB_Yr.Value
10        'sets the focus for the todays date button
11        CommandButton1.SetFocus
12        For i = 1 To 42
13            If i < Weekday((CB_Mth.Value) & "/1/" & (CB_Yr.Value)) Then
14                Controls("D" & (i)).Caption = Application.WorksheetFunction.Text(DateAdd("d", (
15                    i - Weekday((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), _
16                    ((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), "d" )
17                Controls("D" & (i)).ControlTipText = Application.WorksheetFunction.Text(DateAdd(
18                    "d", (i - Weekday((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), _
19                    ((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), "m/d/yy" )
20            ElseIf i >= Weekday((CB_Mth.Value) & "/1/" & (CB_Yr.Value)) Then
21                Controls("D" & (i)).Caption = Application.WorksheetFunction.Text(DateAdd("d", (
22                    i - Weekday((CB_Mth.Value) _
23                    & "/1/" & (CB_Yr.Value))), ((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), "d" )
24                Controls("D" & (i)).ControlTipText = Application.WorksheetFunction.Text(DateAdd(
25                    "d", (i - Weekday((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), _
26                    ((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), "m/d/yy" )
27            End If
28            If Application.WorksheetFunction.Text(DateAdd("d", (i - Weekday((CB_Mth.Value) &
29                "/1/" & (CB_Yr.Value))), _
30                ((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), "mmm" ) = ((CB_Mth.Value)) Then
31                If Controls("D" & (i)).BackColor <> &H80000016 Then Controls("D" & (i)).
32                BackColor = &H80000018 '&H80000010
33                Controls("D" & (i)).Font.Bold = True
34                If Application.WorksheetFunction.Text(DateAdd("d", (i - Weekday((CB_Mth.Value) &
35                    "/1/" & (CB_Yr.Value))), _
36                    ((CB_Mth.Value) & "/1/" & (CB_Yr.Value))), "m/d/yy" ) = Application.
37                WorksheetFunction.Text(ThisDay, "m/d/yy" ) Then Controls("D" & (i)).SetFocus
38            Else
39                If Controls("D" & (i)).BackColor <> &H80000016 Then Controls("D" & (i)).
40                BackColor = &H8000000F
41                Controls("D" & (i)).Font.Bold = False
42            End If
43        Next
44    End If
45 End Sub
46 Private Sub CB_Mth_Change()
47     'rebuilds the calendar when the month is changed by the user
48     Build_Calendar
49 End Sub
50 Private Sub CB_Yr_Change()
51     'rebuilds the calendar when the year is changed by the user
52     Build_Calendar
53 End Sub
54 Private Sub D1_Click()
55     'this sub and the ones following represent the buttons for days on the form
56     'retrieves the current value of the individual controltipText and
57     'places it in the active cell
58     ActiveCell.Value = D1.ControlTipText
59     Unload Me
60     'after unload you can call a different userform to continue data entry

```



```
1
52 'uncomment this line and add a userform named UserForm2
53 'Userform2.Show
54
55 End Sub
56 Private Sub D10_Click()
57     ActiveCell.Value = D10.ControlTipText
58     Unload Me
59
60 End Sub
61 Private Sub D11_Click()
62     ActiveCell.Value = D11.ControlTipText
63     Unload Me
64
65 End Sub
66 Private Sub D12_Click()
67     ActiveCell.Value = D12.ControlTipText
68     Unload Me
69
70 End Sub
71 Private Sub D13_Click()
72     ActiveCell.Value = D13.ControlTipText
73     Unload Me
74
75 End Sub
76 Private Sub D14_Click()
77     ActiveCell.Value = D14.ControlTipText
78     Unload Me
79
80 End Sub
81 Private Sub D15_Click()
82     ActiveCell.Value = D15.ControlTipText
83     Unload Me
84
85 End Sub
86 Private Sub D16_Click()
87     ActiveCell.Value = D16.ControlTipText
88     Unload Me
89
90 End Sub
91 Private Sub D17_Click()
92     ActiveCell.Value = D17.ControlTipText
93     Unload Me
94
95 End Sub
96 Private Sub D18_Click()
97     ActiveCell.Value = D18.ControlTipText
98     Unload Me
99
100 End Sub
101 Private Sub D19_Click()
102     ActiveCell.Value = D19.ControlTipText
103     Unload Me
104
105 End Sub
106 Private Sub D2_Click()
107     ActiveCell.Value = D2.ControlTipText
108     Unload Me
109
110 End Sub
111 Private Sub D20_Click()
112     ActiveCell.Value = D20.ControlTipText
113
114 End Sub
1
```

```
1
113     Unload Me
114
115 End Sub
116 Private Sub D21_Click()
117     ActiveCell.Value = D21.ControlTipText
118     Unload Me
119
120 End Sub
121 Private Sub D22_Click()
122     ActiveCell.Value = D22.ControlTipText
123     Unload Me
124
125 End Sub
126 Private Sub D23_Click()
127     ActiveCell.Value = D23.ControlTipText
128     Unload Me
129
130 End Sub
131 Private Sub D24_Click()
132     ActiveCell.Value = D24.ControlTipText
133     Unload Me
134
135 End Sub
136 Private Sub D25_Click()
137     ActiveCell.Value = D25.ControlTipText
138     Unload Me
139
140 End Sub
141 Private Sub D26_Click()
142     ActiveCell.Value = D26.ControlTipText
143     Unload Me
144
145 End Sub
146 Private Sub D27_Click()
147     ActiveCell.Value = D27.ControlTipText
148     Unload Me
149
150 End Sub
151 Private Sub D28_Click()
152     ActiveCell.Value = D28.ControlTipText
153     Unload Me
154
155 End Sub
156 Private Sub D29_Click()
157     ActiveCell.Value = D29.ControlTipText
158     Unload Me
159
160 End Sub
161 Private Sub D3_Click()
162     ActiveCell.Value = D3.ControlTipText
163     Unload Me
164
165 End Sub
166 Private Sub D30_Click()
167     ActiveCell.Value = D30.ControlTipText
168     Unload Me
169
170 End Sub
171 Private Sub D31_Click()
172     ActiveCell.Value = D31.ControlTipText
173     Unload Me
```

1

```
1
174 End Sub
175 Private Sub D32_Click()
176     ActiveCell.Value = D32.ControlTipText
177     Unload Me
178
179
180 End Sub
181 Private Sub D33_Click()
182     ActiveCell.Value = D33.ControlTipText
183     Unload Me
184
185 End Sub
186 Private Sub D34_Click()
187     ActiveCell.Value = D34.ControlTipText
188     Unload Me
189
190 End Sub
191 Private Sub D35_Click()
192     ActiveCell.Value = D35.ControlTipText
193     Unload Me
194
195 End Sub
196 Private Sub D36_Click()
197     ActiveCell.Value = D36.ControlTipText
198     Unload Me
199
200 End Sub
201 Private Sub D37_Click()
202     ActiveCell.Value = D37.ControlTipText
203     Unload Me
204
205 End Sub
206 Private Sub D38_Click()
207     ActiveCell.Value = D38.ControlTipText
208     Unload Me
209
210 End Sub
211 Private Sub D39_Click()
212     ActiveCell.Value = D39.ControlTipText
213     Unload Me
214
215 End Sub
216 Private Sub D4_Click()
217     ActiveCell.Value = D4.ControlTipText
218     Unload Me
219
220 End Sub
221 Private Sub D40_Click()
222     ActiveCell.Value = D40.ControlTipText
223     Unload Me
224
225 End Sub
226 Private Sub D41_Click()
227     ActiveCell.Value = D41.ControlTipText
228     Unload Me
229
230 End Sub
231 Private Sub D42_Click()
232     ActiveCell.Value = D42.ControlTipText
233     Unload Me
234
```

1

```
1
235 End Sub
236
237
238 Private Sub D5_Click()
239     ActiveCell.Value = D5.ControlTipText
240     Unload Me
241
242 End Sub
243 Private Sub D6_Click()
244     ActiveCell.Value = D6.ControlTipText
245     Unload Me
246
247 End Sub
248 Private Sub D7_Click()
249     ActiveCell.Value = D7.ControlTipText
250     Unload Me
251
252 End Sub
253 Private Sub D8_Click()
254     ActiveCell.Value = D8.ControlTipText
255     Unload Me
256
257 End Sub
258 Private Sub D9_Click()
259     ActiveCell.Value = D9.ControlTipText
260     Unload Me
261
262 End Sub
263
264
265
266 Private Sub HelpLabel_Click()
267
268 End Sub
269
270 Private Sub UserForm_Initialize()
271     Application.EnableEvents = False
272     'starts the form on todays date
273     If Sheet1.Range("B3" ).Value = Empty Then ThisDay = VBA.DateTimes.Date Else: ThisDay =
274     Sheet1.Range("B3" ).Value 'Use "VBA.DateTimes.Date" for current date
275     ThisMth = Application.WorksheetFunction.Text(ThisDay, "mm" )
276     ThisYear = Application.WorksheetFunction.Text(ThisDay, "yyyy" )
277     For i = 1 To 12
278         CB_Mth.AddItem Application.WorksheetFunction.Text(DateSerial(Year(ThisDay), Month(
279             ThisDay) + i, 0), "mmm" )
280     Next
281     CB_Mth.ListIndex = Application.WorksheetFunction.Text(ThisDay, "mm" ) - Application.
282     WorksheetFunction.Text(ThisDay, "mm" )
283     For i = -20 To 50
284         If i = 1 Then CB_Yr.AddItem Application.WorksheetFunction.Text((ThisDay), "yyyy" ) Else
285         CB_Yr.AddItem _
286         Application.WorksheetFunction.Text((DateAdd("yyyy" , (i - 1), ThisDay)), "yyyy" )
287     Next
288     CB_Yr.ListIndex = 21
289     'Builds the calendar with todays date
290     CalendarFrm.Width = CalendarFrm.Width
291     CreateCal = True
292     Call Build_Calendar
293     Application.EnableEvents = True
294 End Sub
```

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1 Option Explicit
2
3 Sub ResetCode()
4     With Application
5         .EnableEvents = True
6         .Calculation = xlCalculationAutomatic
7         .ScreenUpdating = True
8     End With
9 End Sub
10
11 Sub StopCode()
12     With Application
13         .EnableEvents = False
14         .Calculation = xlCalculationManual
15         .ScreenUpdating = False
16     End With
17 End Sub
18
```

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```
1 Option Explicit
2 Sub AttachFile()
3     Dim AttFile As FileDialog
4     Dim sItem, strPath As String
5     Dim AttRow As Long
6     Set AttFile = Application.FileDialog(msoFileDialogFilePicker)
7     With AttFile
8         .Title = "Select a File"
9         .AllowMultiSelect = False
10        .InitialFileName = strPath
11        If .Show <> -1 Then GoTo NextCode
12        sItem = .SelectedItems(1)
13    End With
14    AttRow = 4 + (10 * (Sheet4.Range("B3").Value - 5))
15    Sheet4.Range("F" & AttRow).Value = sItem
16    NextCode:
17    'GetFolder = sItem
18    Set AttFile = Nothing
19 End Sub
20
```



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## Option Explicit

```

1  Option Explicit
2
3  Sub SendNewApptEmail()
4      Dim OutApp, OutMail As Object
5      Dim EmailTempRow, ContRow As Long
6      Dim FoundContName, ContNameRng As Range
7      Dim ContName, Subj, Mesg, Attach, Email, SelAddr As String
8      Dim ApptDate As Date
9      Dim ApptTime As Double
10
11     'Determine Valid Contact and Valid Email Address First
12     Set ContNameRng = Sheet3.Range("Contact" )
13     EmailTempRow = Sheet1.Range("B23" ).Value 'Email Template Row
14
15     With Sheet4
16         SelAddr = .Range("B2" ).Value
17         ContName = Sheet1.Range(SelAddr).Value 'Contact Name
18         Set FoundContName = ContNameRng.Find(ContName, , xlValues, xlWhole)
19         If FoundContName Is Nothing Then Exit Sub 'Exit if Contact Name is not found
20         ContRow = FoundContName.Row
21
22         Email = Sheet3.Range("J" & ContRow).Value
23         ApptDate = Sheet1.Cells(4, Sheet1.Range(SelAddr).Column - 2).Value 'Appointment Date
24         ApptTime = Sheet1.Cells(Sheet1.Range(SelAddr).Row, Sheet1.Range(SelAddr).Column - 2).
25         Value 'Appointment Time
26         Sheet3.Range("K" & ContRow).Value = ApptDate + ApptTime 'Add in Next Appointment Date
27         & Time
28         Sheet3.Range("L" & ContRow).ClearContents 'Clear Any Previous Appointment Reminder
29         If Sheet3.Range("J" & ContRow).Value = Empty Then Exit Sub 'Exit If no email address
30         Attach = .Range("F" & EmailTempRow).Value 'Attachment (if any)
31         Subj = .Range("F" & EmailTempRow + 1).Value 'Email Subject
32         Mesg = .Range("F" & EmailTempRow + 2).Value 'Email Message
33
34         Subj = Replace(Replace(Replace(Subj, "#ContactName#" , ContName), "#ApptDt#" , Format(
35         ApptDate, "dddd, mmmm dd, yyyy" )), "#ApptTime#" , Format(ApptTime, "h:mm AM/PM" ))
36         Mesg = Replace(Replace(Replace(Mesg, "#ContactName#" , ContName), "#ApptDt#" , Format(
37         ApptDate, "dddd, mmmm dd, yyyy" )), "#ApptTime#" , Format(ApptTime, "h:mm AM/PM" ))
38
39         Set OutApp = CreateObject("Outlook.Application" )
40         Set OutMail = OutApp.CreateItem(0)
41
42         With OutMail
43             .To = Email
44             If Attach <> "" Then .attachments.Add Attach
45             .Subject = Subj
46             .Body = Mesg
47             .Display 'Change to .Send to Send emails without displaying them first
48         End With
49         On Error GoTo 0
50         Set OutMail = Nothing
51     End With
52 End Sub

```

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## Option Explicit

```

1  Option Explicit
2
3  Sub ApptReminderEmail()
4      Dim OutApp, OutMail As Object
5      Dim EmailTempRow, ContRow, LastContRow, LastFilterRow As Long
6      Dim FoundContName, ContNameRng As Range
7      Dim ContName, Subj, Mesg, Attach, Email As String
8      Dim ApptDate As Date
9      Dim ApptTime As Double
10
11     With Sheet4
12         'Determine Valid Contact and Valid Email Address First
13         Set ContNameRng = Sheet3.Range("Contact" )
14         EmailTempRow = Sheet1.Range("B25" ).Value 'Email Template Row
15         Attach = .Range("F" & EmailTempRow).Value 'Attachment (if any)
16
17         LastContRow = Sheet3.Range("E9999" ).End(xlUp).Row 'Last Contact Row
18         Sheet3.Range("AA2:AH2,AA4:AH999" ).ClearContents 'Clear Previous Criteria & Results
19         Sheet3.Range("Z2" ).Value = ">" & Sheet1.Range("B1" ).Value
20         Sheet3.Range("AG2" ).Value = "<" & Sheet1.Range("B1" ).Value + 2
21         Sheet3.Range("AH2" ).Value = "=" '& 'Blank values only
22         Sheet3.Range("E4:M" & LastContRow).AdvancedFilter xlFilterCopy, CriteriaRange:=Sheet3.
Range("Z1:AI2" ), CopyToRange:=Sheet3.Range("AA3:AI3" ), Unique:=True
23         LastFilterRow = Sheet3.Range("AA999" ).End(xlUp).Row
24         If LastFilterRow < 4 Then Exit Sub
25
26         For ContRow = 4 To LastFilterRow
27             Subj = .Range("F" & EmailTempRow + 1).Value 'Email Subject
28             Mesg = .Range("F" & EmailTempRow + 2).Value 'Email Message
29             ContName = Sheet3.Range("AA" & ContRow).Value 'Contact Name
30             Email = Sheet3.Range("AF" & ContRow).Value 'Email Address
31             ApptDate = Sheet3.Range("AG" & ContRow).Value 'Appointment Date
32             ApptTime = Sheet3.Range("AG" & ContRow).Value - Int(Sheet3.Range("AG" & ContRow).
Value) 'Appointment Time
33
34             Subj = Replace(Replace(Replace(Subj, "#ContactName#", ContName), "#ApptDt#",
Format(ApptDate, "dddd, mmmm dd, yyyy" )), "#ApptTime#", Format(ApptTime, "h:mm
AM/PM" ))
35             Mesg = Replace(Replace(Replace(Mesg, "#ContactName#", ContName), "#ApptDt#",
Format(ApptDate, "dddd, mmmm dd, yyyy" )), "#ApptTime#", Format(ApptTime, "h:mm
AM/PM" ))
36
37             Set OutApp = CreateObject("Outlook.Application" )
38             Set OutMail = OutApp.CreateItem(0)
39
40             With OutMail
41                 .To = Email
42                 If Attach <> "" Then .attachments.Add Attach
43                 .Subject = Subj
44                 .Body = Mesg
45                 .Display 'Change to .Send to Send emails without displaying them first
46             End With
47             On Error GoTo 0
48             Set OutMail = Nothing
49             Sheet3.Range("L" & Sheet3.Range("AI" & ContRow).Value).Value = Now 'Add in
Current Time & Date to Show Reminder Sent
50         Next ContRow
51     End With
52 End Sub
53
54

```

55

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```

1 Option Explicit
2 Dim DbSht As String
3 Dim LastRow, ScRow, DbCol, WeekCol, Dur As Long
4 Sub NextWeek()
5     Sheet1.Range("B3" ).Value = Sheet1.Range("B3" ).Value + 7
6 End Sub
7 Sub OpenCalendar()
8     Sheet1.Range("B3" ).Select
9     CalendarFrm.Show
10 End Sub
11
12 Sub PrevWeek()
13     Sheet1.Range("B3" ).Value = Sheet1.Range("B3" ).Value - 7
14 End Sub
15
16
17 Sub ScheduleRefresh()
18     StopCode
19     With Sheet1
20         .Range("B2" ).Value = True 'Set Schedule Refresh To True
21         'Clear Existing Week
22         With .Range("E6:F101,H6:I101,K6:L101,N6:O101,Q6:R101,T6:U101,W6:X101" )
23             .ClearContents 'Clear Any Values
24             .Interior.Color = 16777215 'Change Color to white
25         End With
26         .Calculate
27
28         For WeekCol = 5 To 23 Step 3 'Step through each of the 7 days of the week
29             DbSht = .Cells(110, WeekCol).Value 'Determine the Sheet Name (Year) for each day
30             'When Database Sheet (year) does not exist
31             If .Cells(111, WeekCol).Value = Empty Then 'If calculated column is empty then that
32                 Sheets.Add 'Add A new Sheet
33                 ActiveSheet.Name = DbSht 'Set the Sheet Name for the correct year
34                 Sheets("2018" ).Range("A1:ABD1" ).Copy 'Copy All Dates from 2018 Sheet
35                 Sheets("" & DbSht & "" ).Range("A1:ABD1" ).PasteSpecial xlPasteAll 'Paste All
36                 Dates & Formulas of the Year from Row 1
37                 Sheets("" & DbSht & "" ).Range("A1" ) = "1/1/" & DbSht 'Set the first cell
38                 with the correct year, which updates all other dates
39                 Application.CutCopyMode = False 'Exit Cut Copy Mode
40                 'Sheets("" & DbSht & "").Visible = xlHidden 'Uncomment this if you want to hide
41                 the sheet
42                 Sheet1.Activate 'Reactivate the schedule sheet
43                 Application.Calculate 'Calculate entire application which updates all dates &
44                 formulas
45             End If
46
47             DbCol = .Cells(111, WeekCol).Value 'Determin Schedule Column
48             LastRow = Sheets("" & DbSht & "" ).Cells(102, DbCol + 1).End(xlUp).Row 'Get Last
49             Column Row with Data in database sheet
50             If LastRow < 6 Then GoTo NextCol
51             For ScRow = 6 To LastRow 'Loop through all scheduling rows
52                 .Cells(ScRow, WeekCol + 1).Value = Sheets("" & DbSht & "" ).Cells(ScRow, DbCol +
53                 1).Value 'Add Appointment Details Main Schedule database
54                 If Sheets("" & DbSht & "" ).Cells(ScRow, DbCol).Value <> Empty Then 'If
55                 Duration is not Empty
56                     Dur = Sheets("" & DbSht & "" ).Cells(ScRow, DbCol).Value 'Determine the
57                     Duration Number (not the actual duration, but the number on the duration
58                     list)
59                     .Cells(ScRow, WeekCol).Value = .Range("A" & 22 + Dur).Value 'Set the Actual

```

1 2 3 4 5

```
1 2 3 4 5
Duration based on the List of Durations
52 If .Cells(4, WeekCol - 1).Value + .Cells(ScRow, WeekCol - 1).Value >= Now Then
    'Standard Color
53 Range(.Cells(ScRow, WeekCol), .Cells(ScRow + Dur - 1, WeekCol + 1)).
    Interior.Color = .Range("FillColor" ).Interior.Color 'Color the Cells of
    the duration based on Duration # and Set Schedule Color
54 Else: 'Color For Past Appointments
55 Range(.Cells(ScRow, WeekCol), .Cells(ScRow + Dur - 1, WeekCol + 1)).
    Interior.Color = 14277081 'Color the Cells of the duration For
    appointments in the past
56 End If
57 End If
58 Next ScRow
59 NextCol:
60 Next WeekCol
61 ActiveWindow.ScrollRow = .Range("B7" ).Value 'Scroll to the Row based on the Starting
    Time
62 .Range("B2" ).Value = False 'Set Schedule Refresh To False
63 End With
64 ResetCode
65 End Sub
66
67 Sub ThisWeek()
68 Sheet1.Range("B3" ).Value = Sheet1.Range("B1" ).Value
69 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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