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Attribute VB_Name = "mod01"
Option Explicit

Global Const rmv_modeInitial As Integer = 1
Global Const rmv_modeCreation As Integer = 2
Global Const rmv_modeAffichage As Integer = 3
Global Const rmv_modeModification As Integer = 4

Global rmv_state As Integer

Global savedClient As String
Global savedActivite As String
Global savedHeures As String
Global savedFacturable As Boolean
Global savedCommNote As String

Sub FilterProfDate()

    'Minimum - Professionnel + Date
    If Trim(frmSaisieHeures.cmbProfessionnel.value) = "" Or _
        Trim(frmSaisieHeures.txtDate.value) = "" Then
        Exit Sub
    End If

    'Date in the appropriate format (AAAA-MM-JJ)
    Dim dateUSFormatted As String
    dateUSFormatted = Format(CDate(frmSaisieHeures.txtDate.value), "m/d/yyyy")

    'Base worksheet (Heures) contains all entries
    Dim sh As Worksheet
    Set sh = ThisWorkbook.Sheets("Heures")
    sh.AutoFilterMode = False

    'Once filtered, worksheet should only show the filtered records
    Dim shFiltered As Worksheet
    Set shFiltered = ThisWorkbook.Sheets("HeuresFiltered")
    shFiltered.UsedRange.Clear
    'shFiltered.Activate

    sh.Activate
    With sh.UsedRange
        .AutoFilter Field:=2, Criterial:=frmSaisieHeures.cmbProfessionnel.value
        .AutoFilter Field:=3, Operator:=xlFilterValues, _
            Criteria2:=Array(2, dateUSFormatted)
        .AutoFilter Field:=12, Criterial:="FAUX"
    End With

    sh.UsedRange.Select
    sh.UsedRange.Copy shFiltered.Range("A1")

    shFiltered.Activate

    sh.Activate
    sh.AutoFilterMode = False

```

End Sub

Sub ImportClientsList() '----- 'v1.0 - 2023-03-23 @ 07:40

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'Delete all cells, but the headers in the current worksheet
shImportedClients.Range("A1").CurrentRegion.Offset(1, 0).Clear

'Source workbook (closed Excel file) - MUST BE IN THE SAME DIRECTORY
Dim sourceWorkbook As String
Dim sourceWorksheet As String
sourceWorkbook = ThisWorkbook.Path & Application.PathSeparator & _
    "GCF_Clients.xlsx"
sourceWorksheet = "Clients"

'ADODB connection
Dim connStr As ADODB.Connection
Set connStr = New ADODB.Connection

'Connection String specific to EXCEL
connStr.ConnectionString = _
    "Provider = Microsoft.ACE.OLEDB.12.0;" & _
    "Data Source = " & sourceWorkbook & ";" & _
    "Extended Properties = 'Excel 12.0 Xml; HDR = YES';"
connStr.Open

'Recordset
Dim recSet As ADODB.Recordset
Set recSet = New ADODB.Recordset

recSet.ActiveConnection = connStr
recSet.Source = "SELECT * FROM [" & sourceWorksheet & "$]"
recSet.Open

'Copy to destination workbook (actual) into the 'Top2000' worksheet
shImportedClients.Range("A2").CopyFromRecordset recSet
shImportedClients.Range("A1").CurrentRegion.EntireColumn.AutoFit

'Close resource
recSet.Close
connStr.Close
```

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MsgBox _
    Prompt:="J'ai un total de " & _
    Format(shImportedClients.Range("A1").CurrentRegion.Rows.count - 1, _
    "## #0") & " clients", _
    Title:="Vérification du nombre de clients", _
    Buttons:=vbInformation
```

End Sub

'***** EffaceFormulaire

Sub EffaceFormulaire()

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'Empty the dynamic fields after resetting the form
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.txtActivite.value = ""
.txtHeures.value = ""
.txtCommNote.value = ""
.cmbProfessionnel.Enabled = True
.txtDate.Enabled = True
End With

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Call FilterProfDate
Call RefreshListBox

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With frmSaisieHeures
.cmdClear.Enabled = False
.cmdAdd.Enabled = False
.cmdDelete.Enabled = False
.cmdUpdate.Enabled = False
End With

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frmSaisieHeures.txtClient.SetFocus

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End Sub

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'***** AjouteLigneDetail

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Sub AjouteLigneDetail()

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Dim sh As Worksheet
Set sh = ThisWorkbook.Sheets("Heures")

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Dim lastRow As Long
lastRow = Application.WorksheetFunction.CountA(sh.Range("A:A"))

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'Validations first (one field at a time)
If frmSaisieHeures.cmbProfessionnel.value = "" Then
MsgBox _
    Prompt:="Le professionnel est OBLIGATOIRE !", _
    Title:="Vérification", _
    Buttons:=vbCritical
frmSaisieHeures.cmbProfessionnel.SetFocus
Exit Sub
End If

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If frmSaisieHeures.txtDate.value = "" Or _
IsDate(frmSaisieHeures.txtDate.value) = False Then
MsgBox _
    Prompt:="La date est OBLIGATOIRE !", _
    Title:="Vérification", _
    Buttons:=vbCritical
frmSaisieHeures.txtDate.SetFocus
Exit Sub
End If

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If frmSaisieHeures.txtClient.value = "" Then
MsgBox _
    Prompt:="Le client est OBLIGATOIRE !", _
    Title:="Vérification", _

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Exit Sub
End If

If frmSaisieHeures.txtHeures.value = "" Or _
    IsNumeric(frmSaisieHeures.txtHeures.value) = False Then
    MsgBox _
        Prompt:="Le nombre d'heures est OBLIGATOIRE !", _
        Title:="Vérification", _
        Buttons:=vbCritical
    frmSaisieHeures.txtHeures.SetFocus
    Exit Sub
End If

' Dim formattedDate As Date
' formattedDate = CDate(frmSaisieHeures.txtDate.value)

'Load the cmb & txt into the 'Heures' worksheet
With sh
    .Range("A" & lastRow + 1).value = "=row()-1"
    .Range("B" & lastRow + 1).value = frmSaisieHeures.cmbProfessionnel.value
    .Range("C" & lastRow + 1).value = CDate(frmSaisieHeures.txtDate.value)
    .Range("D" & lastRow + 1).value = frmSaisieHeures.txtClient.value
    .Range("E" & lastRow + 1).value = frmSaisieHeures.txtActivite.value
    .Range("F" & lastRow + 1).value = Format(frmSaisieHeures.txtHeures.value,
"#0.00")
    .Range("G" & lastRow + 1).value = frmSaisieHeures.txtCommNote.value
    .Range("H" & lastRow + 1).value = frmSaisieHeures.chbFacturable.value
    .Range("I" & lastRow + 1).value = Now
    .Range("J" & lastRow + 1).value = False
    .Range("K" & lastRow + 1).value = ""
    .Range("L" & lastRow + 1).value = False
End With

'Empty the fields after saving
frmSaisieHeures.txtClient.value = ""
frmSaisieHeures.txtActivite.value = ""
frmSaisieHeures.txtHeures.value = ""
frmSaisieHeures.txtCommNote.value = ""

Call FilterProfDate
Call RefreshListBox

With frmSaisieHeures
    .cmdClear.Enabled = False
    .cmdAdd.Enabled = False
    .cmdUpdate.Enabled = False
End With

frmSaisieHeures.txtClient.SetFocus

End Sub

'*****
Sub ModifieLigneDetail()
ModifieLigneDetail

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MsgBox _
    Prompt:="Vous devez choisir un enregistrement à modifier !", _
    Title:="", _
    Buttons:=vbCritical
Exit Sub
End If

'Validations first (one field at a time)
If frmSaisieHeures.cmbProfessionnel.value = "" Then
    MsgBox _
        Prompt:="Le professionnel est OBLIGATOIRE !", _
        Title:"Vérification", _
        Buttons:=vbCritical
    frmSaisieHeures.cmbProfessionnel.SetFocus
Exit Sub
End If

If frmSaisieHeures.txtDate.value = "" Or _
    IsDate(frmSaisieHeures.txtDate.value) = False Then
    MsgBox _
        Prompt:="La date est OBLIGATOIRE !", _
        Title:"Vérification", _
        Buttons:=vbCritical
    frmSaisieHeures.txtDate.SetFocus
Exit Sub
End If

If frmSaisieHeures.txtClient.value = "" Then
    MsgBox _
        Prompt:="Le client est OBLIGATOIRE !", _
        Title:"Vérification", _
        Buttons:=vbCritical
    frmSaisieHeures.txtClient.SetFocus
Exit Sub
End If

If frmSaisieHeures.txtHeures.value = "" Or _
    IsNumeric(frmSaisieHeures.txtHeures.value) = False Then
    MsgBox _
        Prompt:="Le nombre d'heures est OBLIGATOIRE !", _
        Title:"Vérification", _
        Buttons:=vbCritical
    frmSaisieHeures.txtHeures.SetFocus
Exit Sub
End If

Dim sh As Worksheet
Set sh = ThisWorkbook.Sheets("Heures")

Dim selectedRow As Long
selectedRow = Application.WorksheetFunction.Match(CLng(frmSaisieHeures.txtID.
value), _
    sh.Range("A:A"), 0)

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sh.Range("C" & selectedRow).value = Format(.txtDate.value, "dd-mm-yyyy")
sh.Range("D" & selectedRow).value = .txtClient.value
sh.Range("E" & selectedRow).value = .txtActivite.value
sh.Range("F" & selectedRow).value = Format(.txtHeures.value, "#0.00")
sh.Range("G" & selectedRow).value = .txtCommNote.value
sh.Range("H" & selectedRow).value = .chbFacturable.value
sh.Range("I" & selectedRow).value = Now
sh.Range("J" & selectedRow).value = False
sh.Range("K" & selectedRow).value = ""
sh.Range("L" & selectedRow).value = False

frmSaisieHeures.txtClient.value = ""
frmSaisieHeures.txtActivite.value = ""
frmSaisieHeures.txtHeures.value = ""
frmSaisieHeures.txtCommNote.value = ""
End With

'Empty the fields after modifying

Call FilterProfDate
Call RefreshListBox

frmSaisieHeures.txtClient.SetFocus

End Sub

'***** EffaceLigneDetail
Sub EffaceLigneDetail()

If frmSaisieHeures.txtID.value = "" Then
    MsgBox _
        Prompt:="Vous devez choisir un enregistrement à DÉTRUIRE !", _
        Title:="", _
        Buttons:=vbCritical
    Exit Sub
End If

Dim answerYesNo As Integer
answerYesNo = MsgBox("Êtes-vous certain de vouloir DÉTRUIRE cet
enregistrement ? ", _
    vbYesNo + vbQuestion, "Confirmation de DESTRUCTION")
If answerYesNo = vbNo Then
    MsgBox _
        Prompt:"Cet enregistrement ne sera PAS détruit ! ", _
        Title:"Confirmation", _
        Buttons:=vbCritical
    Exit Sub
End If

Dim sh As Worksheet
Set sh = ThisWorkbook.Sheets("Heures")

Dim selectedRow As Long
selectedRow = Application.WorksheetFunction.Match(CLng(frmSaisieHeures.txtID.

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'Assign 'VRAI' to colomn 12, since it is deleted
sh.Range("I" & selectedRow).value = Now
sh.Range("L" & selectedRow).value = True
' Cells(selectedRow, 9) = Now
' Cells(selectedRow, 12) = True

'Empty the dynamic fields after deleting
With frmSaisieHeures
    .txtClient.value = ""
    .txtActivite.value = ""
    .txtHeures.value = ""
    .txtCommNote.value = ""
End With

MsgBox _
    Prompt:="L'enregistrement a été DÉTRUIT !", _
    Title:="Confirmation", _
    Buttons:=vbCritical

Call FilterProfDate
Call RefreshListBox

frmSaisieHeures.txtClient.SetFocus

End Sub

'***** Reload listBox from HeuresFiltered and reset the buttons
Sub RefreshListBox()

    If Trim(frmSaisieHeures.cmbProfessionnel) = "" _
        Or Trim(frmSaisieHeures.txtDate) = "" Then
        GoTo EndOfProcedure
    End If

    frmSaisieHeures.txtTotalHeures.value = ""

    Dim shFiltered As Worksheet
    Set shFiltered = ThisWorkbook.Sheets("HeuresFiltered")
    shFiltered.Activate

    'Last Row used in column A
    Dim lastRow As Long
    lastRow = Application.WorksheetFunction.CountA(shFiltered.Range("A:A"))

    With frmSaisieHeures.lstData
        .ColumnHeads = True
        .ColumnCount = 9
        .ColumnWidths = "25; 30; 55; 120; 190; 30; 90; 35; 70"

        If lastRow = 1 Then
            .RowSource = "HeuresFiltered!A2:K2"
        Else
            .RowSource = "HeuresFiltered!A2:K" & lastRow
        End If
    End With
End Sub

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```
'Add hours to totalHeures
Dim nbrRows, i As Integer
nbrRows = frmSaisieHeures.lstData.ListCount
Dim totalHeures As Double

If nbrRows > 0 Then
    For i = 0 To nbrRows - 1
        totalHeures = totalHeures + CCur(frmSaisieHeures.lstData.List(i, 5))
    Next
    frmSaisieHeures.txtTotalHeures.value = Format(totalHeures, "#0.00")
End If

EndOfProcedure:
    frmSaisieHeures.cmdClear.Enabled = False
    frmSaisieHeures.cmdAdd.Enabled = False
    frmSaisieHeures.cmdUpdate.Enabled = False
    frmSaisieHeures.cmdDelete.Enabled = False

    'frmSaisieHeures.txtClient.SetFocus

End Sub
```