

bgoImm - 1

Option Explicit

Private Const MODULE_NAME = "bgoImm"

```
Dim m_sImmIEN As String
Dim m_bPCCPlus As Boolean
Dim m_sPCCEvent As String
Dim m_sRefusalEvent As String
Dim m_sContraEvent As String
Dim m_bHideButtons As Boolean
Dim m_bInitialized As Boolean
Dim m_bManager As Boolean
Dim m_iForecast As Long
Dim GridState As TGridState
```

```
Private Enum cnColumns
    cnVaccine
    cnVisitDate
    cnAgeVisit
    cnLocName
    cnReaction
    cnVolume
    cnInjSite
    cnLot
    cnVISDate
    cnProvider
    cnGroup
    cnIMMIEN
    cnVIMMIEN
    cnPRVIEN
    cnVisitIEN
    cnVisitCat
    cnFullImmName
    cnLocIEN
    cnLocked
    cnOverride
    cnEventDate
    cnVPEDIEN
    cnColCount ' Should always be last
End Enum
```

```
Const PRINT_RECORD = 0
Const DUE_LETTER = 1
Const PROFILE = 2
Const CASE_DATA = 3
```

```
Implements ICSS_PatientEvents
Implements ICSS_EncounterEvents
Implements ICSS_SessionEvents
```

```
Private Sub SetupGrid()
    On Error GoTo errHandle
```

```
With fgData
    .Clear
    .Rows = 1
    .Cols = cnColCount
    .TextMatrix(0, cnVaccine) = "Vaccine"
    .TextMatrix(0, cnVisitDate) = "Visit Date"
    .ColDataType(cnVisitDate) = flexDTDate
    .TextMatrix(0, cnAgeVisit) = "Age@Visit"
    .TextMatrix(0, cnLocName) = "Location"
    .TextMatrix(0, cnReaction) = "Reaction"
    .TextMatrix(0, cnVolume) = "Volume"
    .TextMatrix(0, cnInjSite) = "Inj. Site"
    .TextMatrix(0, cnLot) = "Lot"
    .TextMatrix(0, cnVISDate) = "VIS Date"
    .TextMatrix(0, cnProvider) = "Administered By"
    .TextMatrix(0, cnGroup) = "Group"
    .TextMatrix(0, cnIMMIEN) = "IMM IEN"
    .TextMatrix(0, cnVIMMIEN) = "VIMM IEN"
    .TextMatrix(0, cnPRVIEN) = "Provider IEN"
    .TextMatrix(0, cnVisitIEN) = "Visit IEN"
```

```

.TextMatrix(0, cnVisitCat) = "Visit Cat"
.TextMatrix(0, cnFullImmName) = "Full Imm Name"
.TextMatrix(0, cnLocIEN) = "LocIEN"
.TextMatrix(0, cnLocked) = "Locked"
.TextMatrix(0, cnOverride) = "Dose Override"
.TextMatrix(0, cnVPEDIEN) = "VPED IEN"
.ColHidden(cnGroup) = True
.ColHidden(cnIMMIEN) = True
.ColHidden(cnVIMMIEN) = True
.ColHidden(cnPRVIEN) = True
.ColHidden(cnVisitIEN) = True
.ColHidden(cnVisitCat) = True
.ColHidden(cnFullImmName) = True
.ColHidden(cnLocIEN) = True
.ColHidden(cnLocked) = True
.ColHidden(cnOverride) = True
.ColHidden(cnEventDate) = True
.ColHidden(cnVPEDIEN) = True
.ColAlignment(cnVisitDate) = flexAlignCenterCenter
.ColAlignment(cnAgeVisit) = flexAlignCenterCenter
.ColAlignment(cnVolume) = flexAlignCenterCenter
.ColAlignment(cnVISDate) = flexAlignCenterCenter
End With

```

```
Exit Sub
```

```

errHandle:
  ErrorTrap MODULE_NAME, "SetupGrid"
End Sub

```

```

Private Sub RefreshGrid()
  SaveGridState
  LoadGrid
  RestoreGridState
End Sub

```

```

Private Sub SaveGridState()
' Saves selected row and sort info
With fgData
  If .Row > 0 Then
    GridState.sRowID = .RowData(.Row)
  Else
    GridState.sRowID = ""
  End If
End With
End Sub

```

```

Private Sub RestoreGridState()
' Restores selected row and sort info
Dim Row As Integer

With fgData
  If GridState.iSortOrder > 0 Then
    .Select 1, GridState.iSortCol, .Rows - 1
    .Sort = GridState.iSortOrder
  End If

  .Row = -1

  If GridState.sRowID <> "" Then
    For Row = 1 To .Rows - 1
      If .RowData(Row) = GridState.sRowID Then
        .Row = Row
        .ShowCell .Row, 0
        Exit For
      End If
    Next Row
  End If
End With
End Sub

```

```

Private Sub UpdateControls()
  Dim b As Boolean

```

```

b = CheckSecurity(True) And oPatient.Handle > 0
cmd(ADD).Enabled = b
cmd(EDIT).Enabled = False
cmd(DELETE).Enabled = False
cmdVac(PRINT_RECORD).Enabled = True
cmdVac(DUE_LETTER).Enabled = True
cmdVac(PROFILE).Enabled = True
cmdVac(CASE_DATA).Visible = Not m_bHideButtons And m_bManager
cmdContra(ADD).Enabled = b
cmdContra(DELETE).Enabled = b And lstContra.ListIndex >= 0

If fgData.Row > 0 Then
    If fgData.TextMatrix(fgData.Row, cnLocked) <> "1" Then ' not locked
        cmd(EDIT).Enabled = b
        cmd(DELETE).Enabled = b
    End If
End If

mnuCmd(ADD).Enabled = cmd(ADD).Enabled
mnuCmd(EDIT).Enabled = cmd(EDIT).Enabled
mnuCmd(DELETE).Enabled = cmd(DELETE).Enabled
mnuVac(PRINT_RECORD).Enabled = cmdVac(PRINT_RECORD).Enabled
mnuVac(DUE_LETTER).Enabled = cmdVac(DUE_LETTER).Enabled
mnuVac(PROFILE).Enabled = cmdVac(PROFILE).Enabled
mnuVac(CASE_DATA).Visible = m_bManager
mnuContra(ADD).Enabled = cmdContra(ADD).Enabled
mnuContra(DELETE).Enabled = cmdContra(DELETE).Enabled
End Sub

Private Sub UpdateRows()
' Updates highlighting of rows
Dim Row As Integer, d As String, s As String

If CDBl(oEncounter.DateTime) < 0 Then
    d = ""
Else
    d = Format(oEncounter.DateTime, "MM/DD/YYYY")
End If

s = CStr(oEncounter.Handle)

With fgData
    For Row = 1 To .Rows - 1
        If .TextMatrix(Row, cnVisitIEN) = "" Then
            If .TextMatrix(Row, cnVisitDate) = d Then
                .Cell(flexcpForeColor, Row, 0, Row, .Cols - 1) = vbBlue
            Else
                .Cell(flexcpForeColor, Row, 0, Row, .Cols - 1) = vbBlack
            End If
        Else
            If .TextMatrix(Row, cnVisitIEN) = s Then
                .Cell(flexcpForeColor, Row, 0, Row, .Cols - 1) = vbBlue
            Else
                .Cell(flexcpForeColor, Row, 0, Row, .Cols - 1) = vbBlack
            End If
        End If
    Next Row
End With
End Sub

Private Sub AbortAsync()
If m_iForecast <> 0 Then
    oSession.CallRPCAbort m_iForecast
    m_iForecast = 0
End If
End Sub

Private Sub UpdateForecast()
AbortAsync
m_iForecast = oSession.CallRPCAsync("BGOVIMM GET", CStr(oPatient.Handle) & "^F", Me, True)
End Sub

```

```
Private Sub AddToForecast(ByVal value As String)
    Dim s As String
```

```
    If Piece(value, U) = "F" Then
        s = Piece(value, U, 3)
        s = Piece(value, U, 2) & IIf(s = "", "", vbCrLf & s)
```

```
    If ContainsText(s, "#212") Then
        UpdateForecast
        s = "Retrieving..."
    End If
```

```
    lstForecast.AddItem s
End If
End Sub
```

```
Private Function IsRefusal() As Boolean
    ' Returns true if selected row is a refusal
    IsRefusal = fgData.TextMatrix(fgData.Row, cnVisitIEN) = ""
End Function
```

```
Private Sub LoadGrid()
    On Error GoTo errHandle
```

```
    Dim sParam As String, sRpc As String, v() As String, i As Integer
    Dim sl As String, s As String
```

```
    AbortAsync
    lstContra.Clear
    lstForecast.Clear
    fgData.Rows = 1
    UpdateControls
    If oPatient.Handle = 0 Then Exit Sub
    Status "Loading Immunizations"
    sRpc = CallRPCList("BGOVIMM GET", oPatient.Handle)
    Status
    If sRpc = "" Or ErrorCheck(sRpc) Then Exit Sub
    fgData.Redraw = flexRDNone
    v = Split(sRpc, vbCrLf)
```

```
    'For an immunization:
    ' I ^ Imm Name [2] ^ Visit Date [3] ^ V File IEN [4] ^ Other Location [5] ^ Group [6] ^ Imm IEN [7]
    ^ Lot [8] ^
    ' Reaction [9] ^ VIS Date [10] ^ Age [11] ^ Visit Date [12] ^ Provider IEN~Name [13] ^ Inj Site [14]
    ^
    ' Volume [15] ^ Visit IEN [16] ^ Visit Category [17] ^ Full Name [18] ^ Location IEN~Name [19] ^
    ' Visit Locked [20] ^ Event Date/Time [21] ^ Dose Override [22] ^ VPED IEN [23]
```

```
    'For an immunization forecast:
    ' F ^ Imm Name [2] ^ Status [3]
```

```
    'For a contraindication:
    ' C ^ Contra IEN [2] ^ Imm Name [3] ^ Reason [4] ^ Date [5]
```

```
    'For a refusal:
    ' R ^ Refusal IEN [2] ^ Type IEN [3] ^ Type Name [4] ^ Item IEN [5] ^ Item Name [6] ^ Provider IEN
    [7] ^
    ' Provider Name [8] ^ Date [9] ^ Locked [10] ^ Reason [11] ^ Comment [12]
```

```
    ' e.g.,
    ' F^Invalid ImmServe Path; edit Site Parameter. (Go MGR-->ESP-->15) #118
    ' C^68^PNEUMO-PS^Fever>104F^10-Dec-2006
    ' I^Td-ADULT^09/25/1996^86751^^TD_B^102^^^^61 yrs^25-Sep-1996^^^^553825^A^TD (ADULT)^3987~EHR TEST
    SITE^1
    ' I^HEP A^03/17/1995^250950^Home^HEPA^131^^^^59 yrs^17-Mar-1995^^^^2020333^E^HEP A, NOS^4744~OTHER^
    1
    ' R^4^3^IMMUNIZATION^116^BCG^^^11/17/2006^1^REFUSED SERVICE^COMMENT
```

```
With fgData
    For i = 0 To UBound(v) - 1
        s = v(i)
```

```
        Select Case Piece(s, U)
```

```

Case "C"      ' Contraindications
' C ^ Contra IEN [2] ^ Imm Name [3] ^ Reason [4] ^ Date [5]
lstContra.AddItem Piece(s, U, 3) & vbTab & Piece(s, U, 4) & vbTab & Piece(s, U, 5)
lstContra.ItemData(lstContra.NewIndex) = Piece(s, U, 2)

Case "F"      ' Forecaster
' F ^ Imm Name [2] ^ Status [3]
AddToForecast s

Case "R"      ' Refusal
' R ^ Refusal IEN [2] ^ Type IEN [3] ^ Type Name [4] ^ Item IEN [5] ^
' Item Name [6] ^ Provider IEN [7] ^ Provider Name [8] ^ Date [9] ^ Locked [10] ^
' Reason [11] ^ Comment [12]
.Rows = .Rows + 1
.RowData(.Rows - 1) = "R^" & Piece(s, U, 2)
.TextMatrix(.Rows - 1, cnVaccine) = Piece(s, U, 6)           ' Vaccine
.TextMatrix(.Rows - 1, cnVisitDate) = Piece(s, U, 9)         ' Refusal Date
.TextMatrix(.Rows - 1, cnReaction) = Piece(s, U, 11)          ' Reason
.TextMatrix(.Rows - 1, cnLocName) = Piece(s, U, 12)           ' Comment
.TextMatrix(.Rows - 1, cnLocked) = Piece(s, U, 10)            ' Locked
.TextMatrix(.Rows - 1, cnPRVIEN) = Piece(s, U, 7)             ' Provider IEN
.TextMatrix(.Rows - 1, cnVIMMIEN) = Piece(s, U, 2)            ' Refusal IEN
.TextMatrix(.Rows - 1, cnIMMIEN) = Piece(s, U, 5)             ' Imm IEN
.TextMatrix(.Rows - 1, cnProvider) = Piece(s, U, 8)           ' Provider Name

Case "I"      ' Immunization
' I ^ Imm Name [2] ^ Visit Date [3] ^ V File IEN [4] ^ Other Location [5] ^
' Group [6] ^ Imm IEN [7] ^ Lot [8] ^ Reaction [9] ^ VIS Date [10] ^ Age [11] ^
' Visit Date [12] ^ Provider IEN~Name [13] ^ Inj Site [14] ^ Volume [15] ^
' Visit IEN [16] ^ Visit Category [17] ^ Full Name [18] ^ Location IEN~Name [19] ^
' Visit Locked [20] ^ Event Date/Time [21] ^ Dose Override [22]
.Rows = .Rows + 1
.RowData(.Rows - 1) = "I^" & Piece(s, U, 16) & U & Piece(s, U, 7)
.TextMatrix(.Rows - 1, cnVaccine) = Piece(s, U, 2)           ' Vaccine
.TextMatrix(.Rows - 1, cnVisitDate) = Piece(s, U, 3)          ' Visit Date
.TextMatrix(.Rows - 1, cnVIMMIEN) = Piece(s, U, 4)            ' Vimm IEN
.TextMatrix(.Rows - 1, cnLocName) = Piece(s, U, 5)            ' Location
.TextMatrix(.Rows - 1, cnGroup) = Piece(s, U, 6)              ' Group
.TextMatrix(.Rows - 1, cnIMMIEN) = Piece(s, U, 7)             ' Imm IEN
.TextMatrix(.Rows - 1, cnLot) = Piece(s, U, 8)                ' Lot
.TextMatrix(.Rows - 1, cnReaction) = Piece(s, U, 9)           ' Reaction
.TextMatrix(.Rows - 1, cnVISDate) = NormalizeDate(Piece(s, U, 10)) ' VIS Date
.TextMatrix(.Rows - 1, cnAgeVisit) = Piece(s, U, 11)          ' Age @ Visit
.TextMatrix(.Rows - 1, cnPRVIEN) = Piece(Piece(s, U, 13), "~") ' Provider IEN
.TextMatrix(.Rows - 1, cnProvider) = Piece(Piece(s, U, 13), "~", 2) ' Provider name
.TextMatrix(.Rows - 1, cnVolume) = Piece(s, U, 15)            ' Volume
.TextMatrix(.Rows - 1, cnVisitIEN) = Piece(s, U, 16)          ' Visit IEN
.TextMatrix(.Rows - 1, cnVisitCat) = Piece(s, U, 17)          ' Visit Cat
.TextMatrix(.Rows - 1, cnFullImmName) = Piece(s, U, 18)        ' Full Imm Name
.TextMatrix(.Rows - 1, cnLocIEN) = Piece(Piece(s, U, 19), "~") ' Loc IEN
.TextMatrix(.Rows - 1, cnLocked) = Piece(s, U, 20)            ' Visit Locked
.TextMatrix(.Rows - 1, cnInjSite) = Piece(Piece(s, U, 14), "~", 2) ' Inj Site
.TextMatrix(.Rows - 1, cnOverride) = Piece(s, U, 22)          ' Dose Override
.TextMatrix(.Rows - 1, cnEventDate) = Piece(s, U, 21)         ' Event date/time
.TextMatrix(.Rows - 1, cnVPEDIEN) = Piece(s, U, 23)           ' VPED IEN
If .TextMatrix(.Rows - 1, cnLocName) = "" Then .TextMatrix(.Rows - 1, cnLocName) = Piece(Piece(s, U, 19), "~", 2)
End Select
Next i

.FixedRows = 1
.AutoSize 0, 9
.Row = 0
.Redraw = flexRDDirect
UpdateControls
UpdateRows
End With
Exit Sub

errHandle:
ErrorTrap MODULE_NAME, "LoadGrid"
End Sub

```

```

Private Sub cmd_Click(Index As Integer)
    mnuCmd_Click Index
End Sub

Private Sub cmdContra_Click(Index As Integer)
    mnuContra_Click Index
End Sub

Private Sub cmdVac_Click(Index As Integer)
    mnuVac_Click Index
End Sub

Private Sub cmdWebRef_Click()
    mnuWebRef_Click
End Sub

Private Sub fgData_AfterSort(ByVal Col As Long, Order As Integer)
    GridState.iSortCol = Col
    GridState.iSortOrder = Order
    UpdateControls
End Sub

Private Sub fgData_SelChange()
    UpdateControls
End Sub

Private Sub fgData_DblClick()
    If mnuCmd(EDIT).Enabled Then mnuCmd_Click EDIT
End Sub

Private Sub fgData_KeyPress(KeyAscii As Integer)
    If KeyAscii = vbKeyReturn Then fgData_DblClick
End Sub

Private Sub fgData_MouseMove(Button As Integer, Shift As Integer, x As Single, y As Single)
    On Error Resume Next
    Static r As Long, c As Long
    Dim nr As Long, nc As Long

    ' get coordinates
    nr = fgData.MouseRow
    nc = fgData.MouseCol
    If nr < 0 Or nc < 0 Then Exit Sub

    If nr = 0 Or nc <> 0 Then
        fgData.ToolTipText = ""
        Exit Sub
    End If

    ' update tooltip text
    If c <> nc Or r <> nr Then
        r = nr
        c = nc
        fgData.ToolTipText = fgData.TextMatrix(r, cnFullImmName)
    End If
End Sub

Private Sub fgData_MouseUp(Button As Integer, Shift As Integer, x As Single, y As Single)
    On Error GoTo errHandle

    If Button = vbRightButton Then
        With fgData
            If .MouseRow > 0 Then
                .Row = .MouseRow
            Else
                .Row = -1
            End If
        End With

        PopupMenu mnuContextPopup
    End If
Exit Sub
errHandle:

```

```

errHandle:
    ErrorTrap MODULE_NAME, "fgData_MouseUp"
End Sub

Private Sub fraContra_MouseMove(Button As Integer, Shift As Integer, x As Single, y As Single)
    On Error Resume Next
    UserControl.SetFocus
End Sub

Private Sub fraForecast_MouseMove(Button As Integer, Shift As Integer, x As Single, y As Single)
    On Error Resume Next
    UserControl.SetFocus
End Sub

Private Sub fraImm_MouseMove(Button As Integer, Shift As Integer, x As Single, y As Single)
    On Error Resume Next
    UserControl.SetFocus
End Sub

Private Sub ICSS_EncounterEvents_Canceled()

End Sub

Private Sub ICSS_EncounterEvents_Committed()
    If Not m_bInitialized Then Exit Sub
    UpdateRows
End Sub

Private Function ICSS_EncounterEvents_Pending(ByVal Silent As Boolean) As String

End Function

Private Sub ICSS_PatientEvents_Canceled()

End Sub

Private Sub ICSS_PatientEvents_Committed()
    On Error GoTo errHandle
    Dim sRpc As String

    AbortAsync
    If Not m_bInitialized Then Exit Sub

    If m_sPCCEvent <> "" Then
        oSession.EventUnsubscribe m_sPCCEvent, Me
        oSession.EventUnsubscribe m_sRefusalEvent, Me
        oSession.EventUnsubscribe m_sContraEvent, Me
    End If

    If oPatient.Handle = 0 Then
        m_sPCCEvent = ""
        m_sRefusalEvent = ""
        m_sContraEvent = ""
    Else
        m_sPCCEvent = "PCC." & oPatient.Handle & ".IMM"
        m_sRefusalEvent = "REFUSAL." & oPatient.Handle & ".IMMUNIZATION"
        m_sContraEvent = "CONTRAINDICATION." & oPatient.Handle & ".IMMUNIZATION"
        oSession.EventSubscribe m_sPCCEvent, Me
        oSession.EventSubscribe m_sRefusalEvent, Me
        oSession.EventSubscribe m_sContraEvent, Me
        sRpc = CallRPCStr("BGOVIMM SETREG", oPatient.Handle)
        ErrorCheck sRpc
    End If

    LoadGrid
    Exit Sub

errHandle:
    ErrorTrap MODULE_NAME, "ICSS_PatientEvents_Committed"
End Sub

Private Function ICSS_PatientEvents_Pending(ByVal Silent As Boolean) As String

```

End Function

```
Private Sub ICSS_SessionEvents_EventCallback(ByVal EventType As String, ByVal EventStub As String)
    If EventType = m_sPCCEvent Or EventType = m_sRefusalEvent _
        Or EventType = m_sContraEvent Or StartsText(EventType, "REFRESH") Then RefreshGrid
End Sub
```

```
Private Sub ICSS_SessionEvents_RPCCallback(ByVal Handle As Long, ByVal Data As String)
    Dim i As Integer, v() As String

    If Handle = m_iForecast Then
        m_iForecast = 0
        v = Split(Data, vbCrLf)
        lstForecast.Clear

        For i = 0 To UBound(v) - 1
            AddToForecast v(i)
        Next i
    End If
End Sub
```

```
Private Sub ICSS_SessionEvents_RPCCallbackError(ByVal Handle As Long, ByVal ErrorCode As Long, ByVal ErrorText As String)
    If Handle = m_iForecast Then m_iForecast = 0
End Sub
```

```
Private Sub lstContra_Click()
    UpdateControls
End Sub
```

```
Private Sub lstContra_MouseMove(Button As Integer, Shift As Integer, x As Single, y As Single)
    UpdateTooltip lstContra, x, y
End Sub
```

```
Private Sub lstContra_MouseUp(Button As Integer, Shift As Integer, x As Single, y As Single)
    If Button = vbRightButton Then PopupMenu mnuContraPopup
End Sub
```

```
Private Sub lstForecast_MouseMove(Button As Integer, Shift As Integer, x As Single, y As Single)
    UpdateTooltip lstForecast, x, y
End Sub
```

```
Private Sub mnuContra_Click(Index As Integer)
    On Error GoTo errHandle
    Dim sRpc As String, sParam As String, sDate As String
```

```
Select Case Index
Case ADD
```

```
    If Not CheckSecurity Then Exit Sub
```

```
    frmContra.Show vbModal
    sDate = ""
```

```
    If oEncounter.Prepare(ofValidateOnly) Then
        sDate = DateToFMDate(oEncounter.DateTime)
    End If
```

```
With frmContra
```

```
    If .fg.Row > 0 And .txtImm.Tag <> "" Then
        sParam = oPatient.Handle & U & .txtImm.Tag & U & .fg.TextMatrix(.fg.Row, cnVaccine) & U & sDate
        sRpc = CallRPCStr("BGOVIMM SETCONT", sParam)
```

```
    If ErrorCheck(sRpc) Then
        Unload frmContra
        Exit Sub
    End If
```

```
End If
End With
```

```
Unload frmContra
```



```

Case DELETE
    If Not CheckSecurity Then Exit Sub

    If lstContra.ListIndex < 0 Then
        ShowWarning "You must first select the contraindication that you wist to delete.", "Specify It
em to Delete"
        Exit Sub
    End If

    If Not Confirm("Are you sure you want to delete the contraindication of " & Piece(lstContra.List
(lstContra.ListIndex), vbTab, 3) & " with " & Piece(lstContra.List(lstContra.ListIndex), vbTab, 2) & "
for this Patient?", "Remove Contraindication?") Then Exit Sub
    sParam = lstContra.ItemData(lstContra.ListIndex)
    sRpc = CallRPCStr("BGOVIMM DELCONT", sParam)
    If ErrorCheck(sRpc) Then Exit Sub
End Select
Exit Sub

errHandle:
    ErrorTrap MODULE_NAME, "mnuContra_Click"
End Sub

Private Sub mnuCmd_Click(Index As Integer)
    On Error GoTo errHandle
    Dim sRpc As String, s As String

    Select Case Index
        Case ADD
            With frmVaccination
                .m_sImmIEN = " "
                .m_sImmName = " "
                .m_sVIMMIEN = " "
                .m_sVPEDIEN = " "
                .Execute
            End With

        Case EDIT
            If Not CheckSecurity Then Exit Sub

            If fgData.Row < 1 Then
                ShowWarning "You must first select the vaccination that you wish to edit.", "Specify Item to E
dit"

                Exit Sub
            End If

            With frmVaccination
                If Not g_bEnabled Then .cboOverride.Enabled = False
                .m_sLocName = fgData.TextMatrix(fgData.Row, cnLocName)
                .m_sLocIEN = fgData.TextMatrix(fgData.Row, cnLocIEN)
                .m_sVisitCat = fgData.TextMatrix(fgData.Row, cnVisitCat)

                If .m_sVisitCat = "E" Then
                    .m_sEventDate = fgData.TextMatrix(fgData.Row, cnVisitDate)
                Else
                    .m_sEventDate = fgData.TextMatrix(fgData.Row, cnEventDate)
                End If

                .m_sImmName = fgData.TextMatrix(fgData.Row, cnVaccine)
                .m_sReaction = fgData.TextMatrix(fgData.Row, cnReaction)
                .m_sVolume = fgData.TextMatrix(fgData.Row, cnVolume)
                .m_sInjSite = fgData.TextMatrix(fgData.Row, cnInjSite)
                .m_sLot = fgData.TextMatrix(fgData.Row, cnLot)
                .m_sVISDt = fgData.TextMatrix(fgData.Row, cnVISDate)
                .m_sProvName = fgData.TextMatrix(fgData.Row, cnProvider)
                .m_sImmIEN = fgData.TextMatrix(fgData.Row, cnIMMIEN)
                .m_sVIMMIEN = fgData.TextMatrix(fgData.Row, cnVIMMIEN)
                .m_sProvIEN = fgData.TextMatrix(fgData.Row, cnPRVIEN)
                .m_sVisitIEN = fgData.TextMatrix(fgData.Row, cnVisitIEN)
                .m_sOverride = fgData.TextMatrix(fgData.Row, cnOverride)
                .m_sVPEDIEN = fgData.TextMatrix(fgData.Row, cnVPEDIEN)
                .Execute
            End With

```

```

Case DELETE
    Dim sParam As String
    Dim sPPrvIEN As String
    Dim sPPrvName As String

    sRpc = CallRPCStr("BGOVIMM PRIPRV", fgData.TextMatrix(fgData.Row, cnVIMMIEN))
    sPPrvIEN = Piece(sRpc, U)
    sPPrvName = Piece(sRpc, U, 2)

    If fgData.TextMatrix(fgData.Row, cnPRVIEN) <> "" And fgData.TextMatrix(fgData.Row, cnPRVIEN) <> CStr(oUser.Handle) Then
        If sPPrvIEN <> CStr(oUser.Handle) Then
            ShowError "To delete this vaccination, you must either be the person that entered it or be designated as the primary provider for the visit." & vbCrLf & TC_PRI_PRV & sPPrvName & vbCrLf & "Administered by: " & fgData.TextMatrix(fgData.Row, cnProvider), "Cannot Delete Vaccination"
            Exit Sub
        End If
    End If

    sParam = " " & IIf(IsRefusal, "Refusal", "Vaccination") & "?"
    If Not Confirm(TX_CNFM_DEL & fgData.TextMatrix(fgData.Row, cnVaccine) & sParam, "Remove" & sParam) Then Exit Sub
    sParam = fgData.TextMatrix(fgData.Row, cnVIMMIEN)

    If IsRefusal Then
        sRpc = CallRPCStr("BGOREF DEL", sParam)
    Else
        sRpc = CallRPCStr("BGOVIMM DEL", sParam)
    End If

    If ErrorCheck(sRpc) Then Exit Sub
End Select

Exit Sub

errHandle:
    ErrorTrap MODULE_NAME, "mnuCmd_Click"
End Sub

Private Sub mnuVac_Click(Index As Integer)
    On Error GoTo errHandle
    Dim sParam As String, sRpc As String

    Select Case Index
        Case PRINT_RECORD
            sParam = oPatient.Handle & U & "2"
            sRpc = CallRPCList("BGOVIMM PRINT", sParam)
            If sRpc <> "" Then ShowReport sRpc, "Print Record"

        Case DUE_LETTER
            sParam = oPatient.Handle & U & "1"
            sRpc = CallRPCList("BGOVIMM PRINT", sParam)
            If sRpc <> "" Then ShowReport sRpc, "Due Letter"

        Case PROFILE
            sRpc = Xlate(CallRPCList("BGOVIMM PROFILE", oPatient.Handle), Chr(30) & Chr(31))
            If sRpc <> "" And Not ErrorCheck(sRpc) Then ShowReport sRpc, "Immunization Profile"

        Case CASE_DATA
            frmCase.Show vbModal
            Unload frmCase
            Set frmCase = Nothing

    End Select
End Sub

errHandle:
    ErrorTrap MODULE_NAME, "mnuVac_Click"
End Sub

Private Sub mnuVisitDetail_Click()
    VisitDetail fgData.TextMatrix(fgData.Row, cnVisitIEN)
End Sub

```

```

Private Sub mnuWebRef_Click()
    On Error Resume Next
    Dim sName As String
    Dim sIEN As String

    If fgData.Row < 1 Then
        With frmWebSearch
            .txtSearch.Text = ""
            .Show vbModal
        End With

        Unload frmWebSearch
        Set frmWebSearch = Nothing
        Exit Sub
    End If

```

```

sIEN = fgData.TextMatrix(fgData.Row, cnIMMIEN)
sName = fgData.TextMatrix(fgData.Row, cnFullImmName)

```

```

With frmBrowser
    .SearchText = fgData.TextMatrix(fgData.Row, cnFullImmName)
    .ItemIEN = sIEN
    .LinkType = ltImmunization
    .ItemName = sName
    .Title = "Reference Link for: " & sName
    .Show vbModal
End With

```

```

Unload frmBrowser
Set frmBrowser = Nothing
End Sub

```

```

Private Sub UserControl_Initialize()
    On Error GoTo errHandle
    InitObjects
    InitSecurity "BGO DISABLE IMM EDITING", "BIZ EDIT PATIENTS"
    AppIcon.ToolTipText = AppVersion
    SetupGrid
    Exit Sub

```

```

errHandle:
    ErrorTrap MODULE_NAME, "UserControl_Initialize"
End Sub

```

```

Private Sub UserControl_MouseMove(Button As Integer, Shift As Integer, x As Single, y As Single)
    On Error Resume Next
    UserControl.SetFocus
End Sub

```

```

Private Sub UserControl_Resize()
    On Error Resume Next
    Dim halfScaleWidth As Integer
    Dim fraContraLeft As Integer
    Dim i As Integer

    If ScaleHeight > 0 Then
        If fraForecast.Height > fraContra.Height Then
            fraImm.Move 0, fraForecast.Top + fraForecast.Height, ScaleWidth, ScaleHeight - fraForecast.Top - fraForecast.Height
        Else
            fraImm.Move 0, fraContra.Top + fraContra.Height, ScaleWidth, ScaleHeight - fraContra.Top - fraContra.Height
        End If

        fgData.Move fgData.Left, fgData.Top, ScaleWidth - fgData.Left - 30, ScaleHeight - fgData.Top - 60
        halfScaleWidth = (ScaleWidth \ 2)
        fraContraLeft = halfScaleWidth - 262.5

        fraContra.Move fraContraLeft, fraContra.Top, (Width - fraContraLeft) - 60, fraContra.Height
        lstContra.Move 30, cmdContra(DELETE).Top + cmdContra(DELETE).Height + 20, fraContra.Width - 60, fraContra.Height - cmdContra(DELETE).Height - 125
    End Sub

```

```

    fraForecast.Move fraForecast.Left, fraForecast.Top, (halfScaleWidth - fraForecast.Left) - 480, fraForecast.Height
    lstForecast.Move 30, 230, fraForecast.Width - 60, fraForecast.Height - 175

    cmdContra(DELETE).Move fraContra.Width - cmdContra(DELETE).Width - 40
    cmdContra(ADD).Move cmdContra(DELETE).Left - cmdContra(DELETE).Width - 5

    cmd(DELETE).Move ScaleWidth - 60 - cmd(DELETE).Width
    cmd(EDIT).Move cmd(DELETE).Left - cmd(EDIT).Width - 5
    cmd(ADD).Move cmd(EDIT).Left - cmd(ADD).Width - 5
    cmdWebRef.Left = lblWebRef.Left + lblWebRef.Width + 60

    If Not m_bHideButtons Then
        For i = 0 To 3
            cmdVac(i).Visible = (cmdVac(i).Left + cmdVac(i).Width) < cmd(ADD).Left And _
                (i <> CASE_DATA Or m_bManager)
        Next i
    End If

End If
End Sub

Private Sub UserControl_Show()
    On Error GoTo errHandle
    m_bInitialized = True
    m_bManager = oUser.HasKey("BIZ MANAGER")
    ICSS_PatientEvents_Committed
    oSession.EventSubscribe "REFRESH", Me
    Exit Sub

errHandle:
    ErrorTrap MODULE_NAME, "UserControl_Show"
End Sub

Private Sub UserControl_Terminate()
    On Error GoTo errHandle

    Dim i As Integer
    DoEvents
    ReleaseObjects
    ' Clean-up forms
    For i = Forms.Count - 1 To 0 Step -1
        If Not Forms(i) Is Me Then Unload Forms(i)
    Next
    Exit Sub

errHandle:
    ErrorTrap MODULE_NAME, "UserControl_Terminate"
End Sub

Public Property Get HideButtons() As Boolean
    HideButtons = m_bHideButtons
End Property

Public Property Let HideButtons(ByVal value As Boolean)
    m_bHideButtons = value
    cmdContra(ADD).Visible = Not m_bHideButtons
    cmdContra(DELETE).Visible = Not m_bHideButtons

    cmd(ADD).Visible = Not m_bHideButtons
    cmd(EDIT).Visible = Not m_bHideButtons
    cmd(DELETE).Visible = Not m_bHideButtons

    cmdVac(PRINT_RECORD).Visible = Not m_bHideButtons
    cmdVac(DUE_LETTER).Visible = Not m_bHideButtons
    cmdVac(PROFILE).Visible = Not m_bHideButtons
    cmdVac(CASE_DATA).Visible = Not m_bHideButtons And m_bManager
End Property

Public Property Get UsePCCPlus() As Boolean
    UsePCCPlus = m_bPCCPlus
End Property

```

```
Public Property Let UsePCCPlus(ByVal value As Boolean)
    m_bPCCPlus = value
End Property
```

```
Public Property Get LookupActiveLotsOnly() As Boolean
    On Error Resume Next
    LookupActiveLotsOnly = GetParam("Imm-LookupOpt")
End Property
```

```
Public Property Let LookupActiveLotsOnly(ByVal value As Boolean)
    On Error Resume Next
    SetParam "Imm-LookupOpt", IIf(value, 1, 0)
End Property
```

VERSION 5.00

Object = "{1C0489F8-9EFD-423D-887A-315387F18C8F}#1.0#0"; "vsflex81.ocx"

Object = "{FB521490-8F38-4417-8971-727969D15AD3}#3.0#0"; "IhsBgoContainer.ocx"

Begin VB.UserControl bgoImm

BorderStyle = 1 'Fixed Single

ClientHeight = 5460

ClientLeft = 0

ClientTop = 0

ClientWidth = 8715

ForwardFocus = -1 'True

ScaleHeight = 5460

ScaleWidth = 8715

ToolboxBitmap = (Bitmap)

Begin IhsBgoContainer.bgoContainer fraContra

Height = 1095

Left = 4320

Top = 540

Width = 4335

_ExtentX = 7646

_ExtentY = 1931

BeginProperty Font {0BE35203-8F91-11CE-9DE3-00AA004BB851}

Name = "MS Sans Serif"

Size = 8.25

Charset = 0

Weight = 700

Underline = 0 'False

Italic = 0 'False

Strikethrough = 0 'False

EndProperty

Caption = "&Contraindications"

FontSize = 8.25

FontName = "MS Sans Serif"

FontBold = -1 'True

Begin VB.CommandButton cmdContra

Caption = "&Delete"

Enabled = 0 'False

Height = 345

Index = 2

Left = 3555

TabIndex = 12

ToolTipText = "Delete Contraindication Record"

Top = 150

Width = 675

End

Begin VB.CommandButton cmdContra

Caption = "&Add"

Height = 345

Index = 0

Left = 2880

Picture = (Bitmap)

TabIndex = 11

ToolTipText = "Add Contraindication Record"

Top = 150

Width = 675

End

Begin VB.ListBox lstContra

Height = 450

Left = 60

TabIndex = 10

Top = 540

Width = 4215

End

End

Begin IhsBgoContainer.bgoContainer fraForecast

Height = 1095

Left = 0

Top = 540

Width = 4300

_ExtentX = 7594

_ExtentY = 1931

BeginProperty Font {0BE35203-8F91-11CE-9DE3-00AA004BB851}

Name = "MS Sans Serif"

Size = 8.25

```
        Charset          = 0
        Weight           = 700
        Underline        = 0 'False
        Italic           = 0 'False
        Strikethrough     = 0 'False
    EndProperty
    Caption              = "&Forecast"
    FontSize              = 8.25
    FontName              = "MS Sans Serif"
    FontBold              = -1 'True
    Begin VB.ListBox lstForecast
        Height            = 645
        Left               = 60
        TabIndex           = 9
        Top                = 300
        Width              = 4050
    End
End
Begin VB.CommandButton cmdWebRef
    Height                = 360
    Left                  = 3000
    Picture                = (Icon)
    Style                  = 1 'Graphical
    TabIndex               = 8
    ToolTipText           = "Search Web Reference Sites"
    Top                   = 60
    Width                 = 405
End
Begin IhsBgoContainer.bgoContainer fraImm
    Height                = 3720
    Left                  = 0
    Top                   = 1680
    Width                 = 8685
    _ExtentX               = 15319
    _ExtentY               = 6562
    BeginProperty Font {0BE35203-8F91-11CE-9DE3-00AA004BB851}
        Name                = "MS Sans Serif"
        Size                 = 8.25
        Charset              = 0
        Weight               = 700
        Underline            = 0 'False
        Italic               = 0 'False
        Strikethrough        = 0 'False
    EndProperty
    Caption              = "&Vaccinations"
    FontSize              = 8.25
    FontName              = "MS Sans Serif"
    FontBold              = -1 'True
    Begin VB.CommandButton cmdVac
        Caption            = "&Profile"
        Enabled             = 0 'False
        Height              = 360
        Index               = 2
        Left                = 2130
        Picture              = (Bitmap)
        TabIndex            = 13
        ToolTipText          = "Display the Immserve forecast profile for the patient."
        Top                 = 300
        Width                = 1035
    End
    Begin VB.CommandButton cmdVac
        Caption            = "&Case Data"
        Height              = 360
        Index               = 3
        Left                = 3170
        Picture              = (Bitmap)
        TabIndex            = 7
        ToolTipText          = "Edit the Immunization Registry data for the patient."
        Top                 = 300
        Width                = 1035
    End
    Begin VB.CommandButton cmd
        Caption            = "&Delete"
```

```
        Enabled      = 0    'False
        Height       = 360
        Index        = 2
        Left         = 7890
        TabIndex     = 5
        ToolTipText  = "Delete Immunization Record"
        Top          = 300
        Width        = 675
End
Begin VB.CommandButton cmd
    Caption      = "&Edit"
    Enabled      = 0    'False
    Height       = 360
    Index        = 1
    Left         = 7210
    Picture      = (Bitmap)
    TabIndex     = 4
    ToolTipText  = "Edit Immunization Record"
    Top          = 300
    Width        = 675
End
Begin VB.CommandButton cmd
    Caption      = "&Add"
    Enabled      = 0    'False
    Height       = 360
    Index        = 0
    Left         = 6540
    Picture      = (Bitmap)
    TabIndex     = 3
    ToolTipText  = "Add Immunization Record"
    Top          = 300
    Width        = 675
End
Begin VB.CommandButton cmdVac
    Caption      = "Due &Letter"
    Enabled      = 0    'False
    Height       = 360
    Index        = 1
    Left         = 1095
    Picture      = (Bitmap)
    TabIndex     = 2
    ToolTipText  = "Display Patient's Immunization Due Letter"
    Top          = 300
    Width        = 1035
End
Begin VB.CommandButton cmdVac
    Caption      = "Print &Record"
    Enabled      = 0    'False
    Height       = 360
    Index        = 0
    Left         = 60
    Picture      = (Bitmap)
    TabIndex     = 1
    ToolTipText  = "Display Official Immunization Record"
    Top          = 300
    Width        = 1035
End
Begin VSFlex8Lctl.VSFlexGrid fgData
    Height       = 2925
    Left         = 0
    TabIndex     = 6
    Top          = 720
    Width        = 8595
    _cx          = 15161
    _cy          = 5159
    Appearance   = 1
    BorderStyle  = 1
    Enabled      = -1    'True
    BeginProperty Font {0BE35203-8F91-11CE-9DE3-00AA004BB851}
        Name      = "MS Sans Serif"
        Size      = 8.25
        Charset   = 0
        Weight    = 400
    EndProperty
End
```



```

    Underline      = 0    'False
    Italic         = 0    'False
    Strikethrough  = 0    'False
EndProperty
MousePointer      = 0
BackColor         = -2147483643
ForeColor         = -2147483640
BackColorFixed    = -2147483633
ForeColorFixed    = -2147483630
BackColorSel      = -2147483635
ForeColorSel      = -2147483634
BackColorBkg      = -2147483636
BackColorAlternate= 15790320
GridColor         = -2147483633
GridColorFixed    = -2147483632
TreeColor         = -2147483632
FloodColor        = 192
SheetBorder       = -2147483642
FocusRect         = 1
HighLight         = 1
AllowSelection    = 0    'False
AllowBigSelection= 0    'False
AllowUserResizing= 1
SelectionMode     = 1
GridLines         = 1
GridLinesFixed    = 2
GridLineWidth     = 1
Rows              = 50
Cols              = 10
FixedRows         = 1
FixedCols         = 0
RowHeightMin      = 0
RowHeightMax      = 0
ColWidthMin       = 0
ColWidthMax       = 0
ExtendLastCol     = -1   'True
FormatString      = ""
ScrollTrack       = 0    'False
ScrollBars        = 3
ScrollTips        = 0    'False
MergeCells        = 0
MergeCompare      = 0
AutoResize        = -1   'True
AutoSizeMode      = 0
AutoSearch        = 0
AutoSearchDelay   = 2
MultiTotals       = -1   'True
SubtotalPosition  = 1
OutlineBar        = 0
OutlineCol        = 0
Ellipsis          = 0
ExplorerBar       = 7
PicturesOver      = 0    'False
FillStyle         = 0
RightToLeft       = 0    'False
PictureType       = 0
TabBehavior       = 0
OwnerDraw         = 0
Editable          = 0
ShowComboButton   = 1
WordWrap          = 0    'False
TextStyle         = 0
TextStyleFixed    = 0
OleDragMode       = 0
OleDropMode       = 0
ComboSearch       = 3
AutoSizeMouse     = -1   'True
FrozenRows        = 0
FrozenCols        = 1
AllowUserFreezing= 0
BackColorFrozen   = 0
ForeColorFrozen   = 0
WallPaperAlignment= 9

```

```

        AccessibleName = ""
        AccessibleDescription = ""
        AccessibleValue = ""
        AccessibleRole = 24
    End
End
Begin VB.Image AppIcon
    Height = 480
    Left = 45
    Picture = (Icon)
    Top = 30
    Width = 480
End
Begin VB.Label lblWebRef
    Caption = "Immunization Record"
    BeginProperty Font
        Name = "MS Sans Serif"
        Size = 9.75
        Charset = 0
        Weight = 700
        Underline = 0 'False
        Italic = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height = 240
    Left = 600
    TabIndex = 0
    Top = 30
    Width = 2370
End
Begin VB.Menu mnuContextPopup
    Caption = "Immunization Popup"
    Begin VB.Menu mnuCmd
        Caption = "&Add Vaccination"
        Index = 0
    End
    Begin VB.Menu mnuCmd
        Caption = "&Edit Vaccination"
        Index = 1
    End
    Begin VB.Menu mnuCmd
        Caption = "&Delete Vaccination"
        Index = 2
    End
    Begin VB.Menu mnuLine
        Caption = "-"
    End
    Begin VB.Menu mnuVac
        Caption = "Print &Official Record"
        Index = 0
    End
    Begin VB.Menu mnuVac
        Caption = "Print Due &Letter"
        Index = 1
    End
    Begin VB.Menu mnuVac
        Caption = "Print &Profile"
        Index = 2
    End
    Begin VB.Menu mnuVac
        Caption = "&Case Data"
        Index = 3
    End
    Begin VB.Menu mnuLine2
        Caption = "-"
    End
    Begin VB.Menu mnuVisitDetail
        Caption = "&Display Visit Detail"
    End
    Begin VB.Menu mnuLine3
        Caption = "-"
    End
    Begin VB.Menu mnuWebRef

```

```
        Caption          =    "&Web References"
    End
End
Begin VB.Menu mnuContraPopup
    Caption              =    "Contraindication Popup"
    Begin VB.Menu mnuContra
        Caption          =    "&Add Contraindication"
        Index            =    0
    End
    Begin VB.Menu mnuContra
        Caption          =    "&Delete Contraindication"
        Index            =    2
    End
End
End
End
```



Forecast

IstForecast

– Contraindications

Add

Delete

IstContra

Vaccinations

[Print Record](#)

Due Letter

Profile

Case Data

Add

Edit

Delete

[illegible]