

ภาคผนวก ค

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'*****
' Objective:
' This class module uses TAPI 3.0 that can help you develop telephony
' applications for interactive information service.
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' Author          : Mr.Chatchawan Hasuwannakit
' Date written    : 10 August 2002
' Last updated    : 3 November 2002
'*****

Public Event AnswerCall()
Public Event DTMFEvent(ByVal digit As Integer)
Public Event OfferingCall()
Public Event DisconnectedCall()

Private gobjTapi As TAPI
Private WithEvents gobjTapiWithEvents As TAPI
Attribute gobjTapiWithEvents.VB_VarHelpID = -1
Private gobjAddress As ITAddress
Private gobjReceivedCallInfo As ITCallInfo
Private gobjMediaSupport As ITMediaSupport
Private gobjBasicCallControlin As ITBasicCallControl
Private gobjLegacyCall As ITLegacyCallMediaControl
Private glRegistrationToken As Long
Private glMediaType As Long
Private AutoAnswerFlag As Boolean

Public Sub DisconnectCall()
    gobjBasicCallControlin.Disconnect (DC_NORMAL)
End Sub

Public Sub RegisterCallNotifications()
    Dim fOwner As Boolean, fMonitor As Boolean
    Dim lCallbackInstance As Long

    'fOwner = True ensures that the application receives incoming
calls
    'and their call state events.
    fOwner = True
    fMonitor = False
    lCallbackInstance = 1

    glRegistrationToken = gobjTapi.RegisterCallNotifications( _
        gobjAddress, fMonitor, fOwner, _
        glMediaType, lCallbackInstance)
End Sub

Private Sub SelectAnAddress() 'Select a modem that connect to COM
port
    glMediaType = TAPIMEDIATYPE_AUDIO
    Dim objCollAddress As ITCollection

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Set objCollAddress = gobjTapi.Addresses
Dim index As Long
For index = 1 To objCollAddress.Count
    Set gobjMediaSupport = objCollAddress.Item(index)
    If (gobjMediaSupport.QueryMediaType(glMediaType)) Then
        Set gobjAddress = gobjMediaSupport
        Exit For
    End If
Next index

Set objCollAddress = Nothing
Set gobjMediaSupport = Nothing
End Sub

Public Sub UnregisterNotifications()
    gobjTapi.UnregisterNotifications (glRegistrationToken)
End Sub

Private Sub Class_Initialize()
    'MsgBox "Do you set Audio Sound Playback Device:to Modem # Line
Playback ready?"
    AutoAnswerFlag = True 'set automatic answer call

    Set gobjTapi = New TAPI
    gobjTapi.Initialize
    gobjTapi.EventFilter = TE_CALLNOTIFICATION Or TE_CALLSTATE Or
TE_DIGITEVENT
    Set gobjTapiWithEvents = gobjTapi
    Call SelectAnAddress
    Call RegisterCallNotifications
End Sub

Private Sub Class_Terminate()
    gobjTapi.Shutdown
End Sub

Private Sub gobjTapiWithEvents_Event(ByVal TapiEvent As
TAPI3Lib.TAPI_EVENT, ByVal pEvent As Object)
    If TapiEvent = TE_CALLNOTIFICATION Then 'Incoming Call occur
        ' Get the ITCallNotification interface.
        Dim objCallNotificationEvent As ITCallNotificationEvent
        Set objCallNotificationEvent = pEvent

        'query ITCallInfo interface for the new call, and store it
        Set gobjReceivedCallInfo = objCallNotificationEvent.Call

        ' Get the ITBasicCallControl interface.
        Set gobjBasicCallControlin = gobjReceivedCallInfo

    ElseIf TapiEvent = TE_CALLSTATE Then 'For call state change
        Dim objCallStateEvent As ITCallStateEvent
        Set objCallStateEvent = pEvent
        'query ITCallInfo interface for the new call, and store it
        Set gobjReceivedCallInfo = objCallStateEvent.Call
        'monitor call state
        Dim callState As CALL_STATE
        callState = objCallStateEvent.State
        'Disconnected state

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    If callState = CS_DISCONNECTED Then
        RaiseEvent DisconnectedCall
        Call UnregisterNotifications

        Set gobjBasicCallControlin = Nothing
        Set gobjReceivedCallInfo = Nothing
        Call RegisterCallNotifications
    'Offering state
    ElseIf callState = CS_OFFERING Then
        RaiseEvent OfferingCall
        If AutoAnswerFlag Then Call AnswerCall 'Auto Answer call
    End If
End If
    'DTMF detection event
If TapiEvent = TE_DIGITEVENT Then
    Dim objDigitDetectionEvent As ITDigitDetectionEvent
    Set objDigitDetectionEvent = pEvent

    Dim digit As Integer
    digit = objDigitDetectionEvent.digit - 48 'convert Ascii to
Int
    RaiseEvent DTMFEvent(digit)
End If

    Set objCallNotificationEvent = Nothing
    Set objCallStateEvent = Nothing
    Set objDigitDetectionEvent = Nothing
End Sub

Public Sub AnswerCall()
    Set gobjLegacyCall = gobjReceivedCallInfo
    'set DTMF Detection
    Call gobjLegacyCall.DetectDigits(LINEDIGITMODE_DTMFEND)
    'Answer the call
    Call gobjBasicCallControlin.Answer
    RaiseEvent AnswerCall
End Sub

Public Property Get AddressName() As String
    AddressName = gobjAddress.AddressName
End Property

Public Property Get ServiceProviderName() As String
    ServiceProviderName = gobjAddress.ServiceProviderName
End Property

Public Property Let AutoAnswer(ByVal flag As Boolean)
    AutoAnswerFlag = flag
End Property

Public Property Get AutoAnswer() As Boolean
    AutoAnswer = AutoAnswerFlag
End Property

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