



S.I.BI.M

Programación

GSA

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Introducción

Se desarrollará y documentará un sistema informático destinado a facilitar la gestión de registro de la actividad médica, dicho sistema será elaborado como un producto de predicción basado en la experiencia y la bibliografía académica.



1) Identificación de interfaces del sistema

-  frmABMFormulario.vb
-  frmAdmPersonalMedico.vb
-  frmAnalisisClinico.vb
-  frmConsultaAnalisis.vb
-  frmConsultaDiagnostico.vb
-  frmCreditos.vb
-  frmDiagnostico.vb
-  frmEntrevistaInicial.vb
-  frmIngresoPacientes.vb
-  frmLogin.vb
-  frmPrincipal.vb
-  frmTratamiento.vb
-  Rutinas.vb

2) Código para la comprobación de datos ingresados

Código que no permite el ingreso de números o símbolos

```
If Char.IsLetter(e.KeyChar) Then
    e.Handled = False
ElseIf Char.IsControl(e.KeyChar) Then
    e.Handled = False
ElseIf Char.IsSeparator(e.KeyChar) Then
    e.Handled = False
Else
    e.Handled = True
    MessageBox.Show("No se permite ingresar números o
    símbolos.", "ADVERTENCIA")
End If
```



Código que no permite el ingreso de espacios

```
If Char.IsNumber(e.KeyChar) Then
    e.Handled = False
ElseIf Char.IsControl(e.KeyChar) Then
    e.Handled = False
ElseIf Char.IsSeparator(e.KeyChar) Then
    e.Handled = True
    MessageBox.Show("No se permite ingresar
espacios.", "ADVERTENCIA")
Else
    e.Handled = False
End If
```

Código que no permite el ingreso de letras

```
If Char.IsNumber(e.KeyChar) Then
    e.Handled = False
ElseIf Char.IsControl(e.KeyChar) Then
    e.Handled = False
ElseIf Char.IsSeparator(e.KeyChar) Then
    e.Handled = False
Else
    e.Handled = True
    MessageBox.Show("No se permite ingresar letras.",
"ADVERTENCIA")
End If
```

Para los casos en los que se utilizó más de un filtro, se utilizaron combinaciones de los códigos previamente mostrados.



3) Codigo Fuente:

Clases:

Analisis:

Public Class Analisis

Protected _ci As Integer

Protected _cimedico As Integer

Protected _id As Integer

Protected _tipo As String

Protected _fecha As Date

Protected _fechaatiende As Date

Protected _resultado As String

Protected _estadoborradop As Integer

Protected _cn As ADODB.Connection

'Metodos constructores

Sub New()

_ci = 0

_cimedico = 0

_id = 0

_estadoborradop = 0

_tipo = ""

_fecha = New Date

_fechaatiende = New Date

_resultado = ""

_cn = New ADODB.Connection

End Sub

Sub New(ByVal estadoborradop As Integer, ByVal ci As Integer, ByVal cimedico As Integer, ByVal id As Integer, ByVal tipo As String, ByVal fecha As Date, ByVal fechaatiende As Date, ByVal resultado As String, ByVal cn As ADODB.Connection)

_ci = ci



```
_estadoborradop = estadoborradop  
_cimedico = cimedico  
_id = id  
_tipo = tipo  
_fecha = fecha  
_fechaatiende = fechaatiende  
_resultado = resultado  
_cn = cn
```

End Sub

'Get y set de las propiedades

Property estadoborradop As Integer

Get

Return (_estadoborradop)

End Get

Set(ByVal value As Integer)

_estadoborradop = value

End Set

End Property

Property ci As Integer

Get

Return (_ci)

End Get

Set(ByVal value As Integer)

_ci = value

End Set

End Property

Property cimedico As Integer

Get

Return (_cimedico)



```
End Get
Set(ByVal value As Integer)
    _cimedico = value
End Set
End Property
Property id As Integer
Get
    Return (_id)
End Get
Set(ByVal value As Integer)
    _id = value
End Set
End Property
Property tipo As String
Get
    Return (_tipo)
End Get
Set(ByVal value As String)
    _tipo = value
End Set
End Property
Property fecha As Date
Get
    Return (_fecha)
End Get
Set(ByVal value As Date)
    _fecha = value
End Set
End Property
```




Property fechaatiende As Date

Get

Return (_fechaatiende)

End Get

Set(ByVal value As Date)

_fechaatiende = value

End Set

End Property

Property resultado As String

Get

Return (_resultado)

End Get

Set(ByVal value As String)

_resultado = value

End Set

End Property

Property cn As ADODB.Connection

Get

Return (_cn)

End Get

Set(ByVal value As ADODB.Connection)

_cn = value

End Set

End Property

Function Buscar() As Integer

Dim sql As String

Dim rs As New ADODB.Recordset

Dim retorno As Integer = 0

If cn.State = 0 Then



```
        retorno = 1
    Else
        sql = "select * from Analisis_Clinico where CI_Paciente=" & _ci & " AND
ID_Analisis=" & _id & ";"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            Return (4)
        End Try

        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _resultado = rs("Resultado").Value
            _fecha = rs("Fecha_Analisis").Value
            _tipo = rs("TipoAnalisis").Value
        End If
        rs.Close()
    End If
    Return (retorno)
End Function

Function idanalisis() As List(Of Integer)
    Dim retorno As New List(Of Integer)
    Dim rs As New ADODB.Recordset
    Dim sql As String

    sql = "SELECT DISTINCT ID_Analisis FROM Analisis_Clinico WHERE
EstadoBorradoA= FALSE AND CI_Paciente=" & _ci & ";"

    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
```



```
Return (retorno)
End Try
retorno.Clear()
While Not rs.EOF
    retorno.Add(rs(0).Value)
    rs.MoveNext()
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function
Function verifici() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
        MsgBox("1")
    Else
        sql = "select an.CI_Paciente, pa.EstadoBorradoP, an.EstadoBorradoA
from Persona as p JOIN Paciente as pa ON p.CI=pa.CI_Paciente JOIN Atiende
as a ON pa.CI_Paciente=a.CI_Paciente JOIN Analisis_Clinico as an ON
a.CI_Paciente=an.CI_Paciente where an.EstadoBorradoA = FALSE AND
an.CI_Paciente=" & _ci & ";"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            MsgBox(ex.ToString)
        Return (4)
    End Try
```



```
If rs.RecordCount = 0 Then
    retorno = 3
Else
    _ci = rs("CI_Paciente").Value
    _estadoborradoP = rs("EstadoBorradoP").Value
    rs.Close()
End If
End If
Return (retorno)
End Function
Function verificaci2() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select pa.CI_Paciente, pa.EstadoBorradoP from Persona as p
JOIN Paciente as pa ON p.CI=pa.CI_Paciente where pa.CI_Paciente=" & _ci &
","
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            MsgBox(ex.ToString)
            Return (4)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _ci = rs("CI_Paciente").Value
```



```
_estadoborradoP = rs("EstadoBorradoP").Value
rs.Close()
End If
End If
Return (retorno)
End Function
Function Guardar(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim sql2 As String
    Dim sql3 As String
    Dim sql4 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql = "SELECT MAX(Fecha_Atiente) AS Fecha_AtienteC FROM
Atiente WHERE CI_Paciente=" & _ci & ";"
            Try
                rs.Open(sql, _cn)
            Catch ex As Exception
                Return (5)
            End Try
            _fechaatiente = rs("Fecha_AtienteC").Value
            rs.Close()
            sql2 = "SELECT CI_Medico AS CI_MedicoC FROM Atiente WHERE
Fecha_Atiente=" & Format(_fechaatiente, "yyyy-MM-dd HH:mm:ss") & " AND
CI_Paciente=" & _ci & ";"
            Try
```



```
rs.Open(sql2, _cn)
Catch ex As Exception
Return (6)
End Try

_cimedico = rs("CI_MedicoC").Value
rs.Close()

sql3 = "insert into Analisis_Clinico(CI_Paciente, TipoAnalisis,
Fecha_Analisis, Resultado, CI_Medico, Fecha_Atiente) VALUES (" & _ci & ","
& _tipo & "," & Format(_fecha, "yyyy-MM-dd HH:mm:ss") & "," & _resultado &
"," & _cimedico & "," & Format(_fechaatiende, "yyyy-MM-dd HH:mm:ss") & ");"

Try
_cn.Execute(sql3)
Catch ex As Exception
Return (7)
End Try

sql4 = "insert into Posee(ID_Estado,CI_Paciente,Fechalnicio_E)
VALUES ('3'," & _ci & "," & Format(Now(), "yyyy-MM-dd HH:mm:ss") & ");"

Try
_cn.Execute(sql4)
Catch ex As Exception
Return (3)
End Try

Else

sql = "update Analisis_Clinico set TipoAnalisis=" & _tipo & ",
Fecha_Analisis=" & Format(_fecha, "yyyy-MM-dd HH:mm:ss") & ",
Resultado=" & _resultado & " where ID_Analisis=" & _id & ";"

Try
_cn.Execute(sql)
Catch ex As Exception
Return (8)
End Try
```



```
End If
End If
Return (retorno)
End Function
Function Eliminar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Analisis_Clinico set EstadoBorradoA= TRUE where
ID_Analisis =" & _id & ";"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
    End If
    Return (retorno)
End Function
Function estadop() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Paciente set EstadoBorradoP= False where CI_Paciente
=" & _ci & ";"
```



```
Try
    _cn.Execute(sql)
Catch ex As Exception
    Return (2)
End Try
End If
Return (retorno)
End Function

Function getci() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select CI from Usuario_Rol WHERE Usuario='" & cipub & "';"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            MsgBox(ex.ToString)
            Return (2)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _ci = rs("CI").Value
        End If
        rs.Close()
    End If
End Function
```




```
Return (retorno)

End Function

Function comprobarFecha() As Integer

    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0

    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select Fecha_Atiente from Atiente WHERE CI_Paciente=" & _ci
        & ",'"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            MsgBox(ex.ToString)
            Return (2)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            End If
        rs.Close()
    End If
    Return (retorno)

End Function

End Class
```

Diagnosticos

Public Class Diagnosticos



```
Protected _id As Integer
Protected _ci As Integer
Protected _tipo As String
Protected _fecha As Date
Protected _fechaatiende As Date
Protected _nombreD As String
Protected _descripcion As String
Protected _estadoborradop As Integer
Protected _enfactual As String
Protected _cimedico As Integer
Protected _cn As ADODB.Connection
```

'Metodos constructores

Sub New()

```
    _ci = 0
    _cimedico = 0
    _tipo = ""
    _enfactual = ""
    _fecha = New Date
    _fechaatiende = New Date
    _descripcion = ""
    _estadoborradop = 0
    _nombreD = ""
    _cn = New ADODB.Connection
    _id = 0
```

End Sub

Sub New(ByVal enfactual As String, ByVal estadoborradop As Integer, ByVal ci As Integer, ByVal nombreD As String, ByVal cimedico As Integer, ByVal tipo As String, ByVal fechaatiende As Date, ByVal fecha As Date, ByVal descripcion As String, ByVal cn As ADODB.Connection, ByVal id As Integer)



```
_ci = ci
_enfactual = enfactual
_estadoborradop = estadoborradop
_tipo = tipo
_fecha = fecha
_fechaatiende = fechaatiende
_descripcion = descripcion
_cn = cn
_id = id
_nombreD = nombreD
_cimedico = cimedico
```

End Sub

'Get y set de las propiedades

Property enfactual As String

Get

Return (_enfactual)

End Get

Set(ByVal value As String)

_enfactual = value

End Set

End Property

Property estadoborradop As Integer

Get

Return (_estadoborradop)

End Get

Set(ByVal value As Integer)

_estadoborradop = value

End Set

End Property



Property ci As Integer

Get

Return (_ci)

End Get

Set(ByVal value As Integer)

_ci = value

End Set

End Property

Property cimedico As Integer

Get

Return (_cimedico)

End Get

Set(ByVal value As Integer)

_cimedico = value

End Set

End Property

Property nombreD As String

Get

Return (_nombreD)

End Get

Set(ByVal value As String)

_nombreD = value

End Set

End Property

Property tipo As String

Get

Return (_tipo)

End Get

Set(ByVal value As String)



```
        _tipo = value
    End Set
End Property
Property fecha As Date
    Get
        Return (_fecha)
    End Get
    Set(ByVal value As Date)
        _fecha = value
    End Set
End Property
Property descripcion As String
    Get
        Return (_descripcion)
    End Get
    Set(ByVal value As String)
        _descripcion = value
    End Set
End Property
Property cn As ADODB.Connection
    Get
        Return (_cn)
    End Get
    Set(ByVal value As ADODB.Connection)
        _cn = value
    End Set
End Property
Property id As Integer
    Get
```



```
Return (_id)
End Get
Set(ByVal value As Integer)
    _id = value
End Set
End Property
Property fechaatiende As Date
    Get
        Return (_fechaatiende)
    End Get
    Set(ByVal value As Date)
        _fechaatiende = value
    End Set
End Property
Function Buscar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select * from Diagnostico as d JOIN Elabora as e ON
d.ID_Diag=e.ID_Diag where e.ID_Diag=" & _id & " AND e.Cl_Paciente=" & _ci
& ";"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            Return (4)
        End Try
        If rs.RecordCount = 0 Then
```



```
        retorno = 3
    Else
        _ci = rs("CI_Paciente").Value
        _descripcion = rs("Descripcion_Diag").Value
        _fecha = rs("Fecha_Diag").Value
        _nombreD = rs("Tipo_Diag").Value
    End If
    rs.Close()
End If
Return (retorno)
End Function

Function Guardar(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim sql2 As String
    Dim sql3 As String
    Dim sql4 As String
    Dim sql5 As String
    Dim sql6 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql = "insert into Diagnostico (Tipo_Diag,Descripcion_Diag) VALUES"
            (" & _tipo & "," & _descripcion & ");"
            Try
                _cn.Execute(sql)
            Catch ex As Exception
```



```
Return (4)
End Try
sql2 = "SELECT MAX(ID_Diag) AS ID_DiagC FROM Diagnostico;"
Try
    rs.Open(sql2, _cn)
Catch ex As Exception
    Return (4)
End Try
_id = rs("ID_DiagC").Value
rs.Close()

sql3 = "SELECT MAX(Fecha_Atiente) AS Fecha_AtienteC FROM
Atiente WHERE CI_Paciente=" & _ci & ";"
Try
    rs.Open(sql3, _cn)
Catch ex As Exception
    Return (5)
End Try
_fechaatiende = rs("Fecha_AtienteC").Value
rs.Close()

sql4 = "SELECT CI_Medico AS CI_MedicoC FROM Atiente WHERE
Fecha_Atiente=" & Format(_fechaatiende, "yyyy-MM-dd HH:mm:ss") & " AND
CI_Paciente=" & _ci & ";"
Try
    rs.Open(sql4, _cn)
Catch ex As Exception
    Return (6)
End Try
_cimedico = rs("CI_MedicoC").Value
rs.Close()
```




```
sql5 = "insert into
Elabora(ID_Diag,Fecha_Diag,Fecha_Atiente,CI_Medico,CI_Paciente) VALUES
(" & _id & "," & Format(_fecha, "yyyy-MM-dd HH:mm:ss") & "," &
Format(_fechaatiente, "yyyy-MM-dd HH:mm:ss") & "," & _cimedico & "," & _ci
& ");"
```

```
Try
```

```
_cn.Execute(sql5)
```

```
Catch ex As Exception
```

```
Return (2)
```

```
End Try
```

```
sql6 = "insert into Posee(ID_Estado,CI_Paciente,Fechalnicio_E)
VALUES ('3'," & _ci & "," & Format(Now(), "yyyy-MM-dd HH:mm:ss") & ");"
```

```
Try
```

```
_cn.Execute(sql6)
```

```
Catch ex As Exception
```

```
Return (3)
```

```
End Try
```

```
Else
```

```
sql = "update Diagnostico set Tipo_Diag=" & _tipo & ",
Descripcion_Diag=" & _descripcion & " where ID_Diag=" & _id & ";"
```

```
Try
```

```
_cn.Execute(sql)
```

```
Catch ex As Exception
```

```
Return (7)
```

```
End Try
```

```
sql = "update Elabora set Fecha_Diag=" & Format(_fecha, "yyyy-MM-
dd HH:mm:ss") & " where ID_Diag=" & _id & ";"
```

```
Try
```

```
_cn.Execute(sql)
```

```
Catch ex As Exception
```

```
Return (8)
```



```
End Try
End If
End If
Return (retorno)
End Function

Function iddiag() As List(Of Integer)
    Dim retorno As New List(Of Integer)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT e.ID_Diag FROM Elabora as e JOIN
    Diagnostico as d ON e.ID_Diag=d.ID_Diag WHERE d.EstadoBorradoD=FALSE
    AND e.CI_Paciente=" & _ci & ";"
    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
        Return (retorno)
    End Try
    retorno.Clear()
    While Not rs.EOF
        retorno.Add(rs(0).Value)
        rs.MoveNext()
    End While
    rs.Close()
    rs = Nothing
    Return (retorno)
End Function

Function Eliminar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
```



```
If cn.State = 0 Then
    retorno = 1
Else
    sql = "update Diagnostico set EstadoBorradoD= TRUE where ID_Diag
    =" & _id & ";"
    Try
        _cn.Execute(sql)
    Catch ex As Exception
        Return (2)
    End Try
End If
Return (retorno)
End Function

Function setenfactual() As Integer
    Dim sql As String
    Dim sql2 As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "SELECT MAX(Fecha_Atiente) AS Fecha_AtienteC FROM
        Atiente WHERE CI_Paciente=" & _ci & ";"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            Return (5)
        End Try
        _fechaatiente = rs("Fecha_AtienteC").Value
        rs.Close()
```



```
sql2 = "update Atiende set Enfermedad_Actual=" & _enfactual & ""  
where Fecha_Atiende =" & Format(_fechaatiende, "yyyy-MM-dd HH:mm:ss") &  
"" AND CI_Paciente=" & _ci & ";"
```

```
Try
```

```
_cn.Execute(sql2)
```

```
Catch ex As Exception
```

```
Return (2)
```

```
End Try
```

```
End If
```

```
Return (retorno)
```

```
End Function
```

```
Function verificaci() As Integer
```

```
Dim sql As String
```

```
Dim rs As New ADODB.Recordset
```

```
Dim retorno As Integer = 0
```

```
If cn.State = 0 Then
```

```
    retorno = 1
```

```
Else
```

```
    sql = "select e.CI_Paciente, pa.EstadoBorradoP from Persona as p  
JOIN Paciente as pa ON p.CI=pa.CI_Paciente JOIN Atiende as a ON  
pa.CI_Paciente=a.CI_Paciente JOIN Elabora as e ON  
a.CI_Paciente=e.CI_Paciente where e.CI_Paciente=" & _ci & ";"
```

```
Try
```

```
    rs.Open(sql, _cn)
```

```
Catch ex As Exception
```

```
    Return (4)
```

```
End Try
```

```
If rs.RecordCount = 0 Then
```

```
    retorno = 3
```

```
Else
```

```
    _ci = rs("CI_Paciente").Value
```



```
_estadoborradop = rs("EstadoBorradoP").Value
rs.Close()
End If
End If
Return (retorno)
End Function
Function verifici2() As Integer
Dim sql As String
Dim rs As New ADODB.Recordset
Dim retorno As Integer = 0
If cn.State = 0 Then
    retorno = 1
Else
    sql = "select pa.Cl_Paciente, pa.EstadoBorradoP from Persona as p
JOIN Paciente as pa ON p.Cl=pa.Cl_Paciente where pa.Cl_Paciente=" & _ci &
","
    Try
        rs.Open(sql, _cn)
    Catch ex As Exception
        Return (4)
    End Try
    If rs.RecordCount = 0 Then
        retorno = 3
    Else
        _ci = rs("Cl_Paciente").Value
        _estadoborradop = rs("EstadoBorradoP").Value
        rs.Close()
    End If
End If
Return (retorno)
```



End Function

Function tipodiag() As List(Of String)

Dim retorno As New List(Of String)

Dim rs As New ADODB.Recordset

Dim sql As String

sql = "SELECT DISTINCT Tipo_Diag FROM Diagnostico;"

Try

rs = _cn.Execute(sql)

Catch ex As Exception

Return (retorno)

End Try

retorno.Clear()

While Not rs.EOF

retorno.Add(rs(0).Value)

rs.MoveNext()

End While

rs.Close()

rs = Nothing

Return (retorno)

End Function

Function estadop() As Integer

Dim sql As String

Dim rs As New ADODB.Recordset

Dim retorno As Integer = 0

If cn.State = 0 Then

retorno = 1

Else

sql = "update Paciente set EstadoBorradoP= False where CI_Paciente
=" & _ci & ";"



```
Try
    _cn.Execute(sql)
Catch ex As Exception
    Return (2)
End Try
End If
Return (retorno)
End Function
Function getci() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select CI from Usuario_Rol WHERE Usuario='" & cipub & "';"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            MsgBox(ex.ToString)
            Return (2)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _ci = rs("CI").Value
        End If
        rs.Close()
    End If
End Function
```



```
Return (retorno)

End Function

Function comprobarFecha() As Integer

    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0

    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select Fecha_Atiente from Atiente WHERE CI_Paciente=" & _ci
        & ",'"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            MsgBox(ex.ToString)
            Return (2)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            End If
            rs.Close()
        End If
        Return (retorno)
    End Function

End Class
```

Entrevista Inicial

Imports System.Data.SqlClient



Public Class EntrevistaInicial

Protected _ci As Integer
Protected _estadoc As String
Protected _gradoc As String
Protected _movilidad As String
Protected _actitud As String
Protected _estadon As String
Protected _gradoh As String
Protected _motivoconsulta As String
Protected _temperatura As Double
Protected _pulso As String
Protected _fechacb As Date
Protected _frecuenciad As String
Protected _frecuenciar As String
Protected _fiebre As Integer
Protected _dolor As Integer
Protected _idp As Integer
Protected _malestar As Integer
Protected _otro As String
Protected _enfermedad As String
Protected _tipoenfactual As String
Protected _tipoenfanterior As String
Protected _enfermedadf As String
Protected _cimedico As String
Protected _nombreacompañante As String
Protected _antecedentes As String
Protected _nombrepaciente As String
Protected _apellidopaciente As String
Protected _estadoborrado As Integer



Protected _fecha As Date
Protected _boca As Integer
Protected _brazo As Integer
Protected _cabeza As Integer
Protected _cuello As Integer
Protected _dedo As Integer
Protected _espalda As Integer
Protected _estomago As Integer
Protected _frente As Integer
Protected _garganta As Integer
Protected _hombro As Integer
Protected _mano As Integer
Protected _muslo As Integer
Protected _munieca As Integer
Protected _nariz As Integer
Protected _ojo As Integer
Protected _oreja As Integer
Protected _pantorrilla As Integer
Protected _pecho As Integer
Protected _pie As Integer
Protected _pierna As Integer
Protected _rodilla As Integer
Protected _tobillo As Integer
Protected _trasero As Integer
Protected _cn As ADODB.Connection

Sub New()

_ci = 0

_estadoborradop = 0



_cimedico = 0
_estadoc = ""
_gradoc = ""
_nombrepaciente = ""
_apellidopaciente = ""
_movilidad = ""
_enfermedad = ""
_enfermedadf = ""
_actitud = ""
_estadon = ""
_gradoh = ""
_motivoconsulta = ""
_temperatura = 0
_idp = 0
_pulso = ""
_frecuenciad = ""
_frecuenciar = ""
_tipoenfactual = ""
_tipoenfanterior = ""
_fiebre = 0
_dolor = 0
_malestar = 0
_nombreacompañante = ""
_otro = ""
_boca = 0
_brazo = 0
_cabeza = 0
_cuello = 0
_dedo = 0



```
_espalda = 0
_estomago = 0
_frente = 0
_garganta = 0
_hombro = 0
_mano = 0
_muslo = 0
_munieca = 0
_nariz = 0
_ojo = 0
_oreja = 0
_pantorrilla = 0
_pecho = 0
_pie = 0
_pierna = 0
_rodilla = 0
_tobillo = 0
_trasero = 0
_fechacb = New Date
_fecha = New Date
_cn = New ADODB.Connection
```

End Sub

Sub New(ByVal nombrepaciente As String, ByVal apellidopaciente As String, ByVal idp As Integer, ByVal trasero As Integer, ByVal tobillo As Integer, ByVal rodilla As Integer, ByVal pierna As Integer, ByVal nariz As Integer, ByVal ojo As Integer, ByVal oreja As Integer, ByVal pantorrilla As Integer, ByVal pecho As Integer, ByVal pie As Integer, ByVal hombro As Integer, ByVal mano As Integer, ByVal muslo As Integer, ByVal munieca As Integer, ByVal boca As Integer, ByVal brazo As Integer, ByVal cabeza As Integer, ByVal cuello As Integer, ByVal dedo As Integer, ByVal espalda As Integer, ByVal estomago As Integer, ByVal frente As Integer, ByVal garganta As Integer, ByVal estadoborrado As Integer, ByVal ci As Integer, ByVal fechacb As Date, ByVal



tipoenfactual As String, ByVal tipoenfanterior As String, ByVal cimedico As Integer, ByVal estadoc As String, ByVal antecedentes As String, ByVal nombreacompañante As String, ByVal enfermedad As String, ByVal enfermedadf As String, ByVal gradoc As String, ByVal movilidad As String, ByVal actitud As String, ByVal estadon As String, ByVal gradoh As Double, ByVal temperatura As Double, ByVal pulso As Double, ByVal frecuenciac As String, ByVal frecuenciar As String, ByVal fiebre As Integer, ByVal dolor As Integer, ByVal malestar As Integer, ByVal otro As String, ByVal motivoconsultatxt As String, ByVal fecha As Date, ByVal cn As ADODB.Connection)

_ci = ci

_idp = idp

_nombrepaciente = nombrepaciente

_apellidopaciente = apellidopaciente

_fechacb = fechacb

_tipoenfactual = tipoenfactual

_estadoborradop = estadoborradop

_tipoenfanterior = tipoenfanterior

_cimedico = cimedico

_estadoc = estadoc

_gradoc = gradoc

_movilidad = movilidad

_actitud = actitud

_estadon = estadon

_gradoh = gradoh

_motivoconsulta = motivoconsulta

_temperatura = temperatura

_pulso = pulso

_frecuenciac = frecuenciac

_frecuenciar = frecuenciar

_fiebre = fiebre

_dolor = dolor



_malestar = malestar
_enfermedad = enfermedad
_enfermedadf = enfermedadf
_antecedentes = antecedentes
_otro = otro
_fecha = fecha
_nombreacompañante = nombreacompañante
_boca = boca
_brazo = brazo
_cabeza = cabeza
_cuello = cuello
_dedo = dedo
_espalda = espalda
_estomago = estomago
_frente = frente
_garganta = garganta
_hombro = hombro
_mano = mano
_muslo = muslo
_munieca = munieca
_nariz = nariz
_ojo = ojo
_oreja = oreja
_pantorrilla = pantorrilla
_pecho = pecho
_pie = pie
_pierna = pierna
_rodilla = rodilla
_tobillo = tobillo



```
_trasero = trasero
_cn = cn
End Sub
Property nombrepaciente As String
    Get
        Return (_nombrepaciente)
    End Get
    Set(ByVal value As String)
        _nombrepaciente = value
    End Set
End Property
Property apellidopaciente As String
    Get
        Return (_apellidopaciente)
    End Get
    Set(ByVal value As String)
        _apellidopaciente = value
    End Set
End Property
Property boca As Integer
    Get
        Return (_boca)
    End Get
    Set(ByVal value As Integer)
        _boca = value
    End Set
End Property
Property idp As Integer
    Get
```



```
        Return (_idp)
    End Get
    Set(ByVal value As Integer)
        _idp = value
    End Set
End Property
Property brazo As Integer
    Get
        Return (_brazo)
    End Get
    Set(ByVal value As Integer)
        _brazo = value
    End Set
End Property
Property cabeza As Integer
    Get
        Return (_cabeza)
    End Get
    Set(ByVal value As Integer)
        _cabeza = value
    End Set
End Property
Property cuello As Integer
    Get
        Return (_cuello)
    End Get
    Set(ByVal value As Integer)
        _cuello = value
    End Set
```




```
End Property
Property dedo As Integer
    Get
        Return (_dedo)
    End Get
    Set(ByVal value As Integer)
        _dedo = value
    End Set
End Property
Property espalda As Integer
    Get
        Return (_espalda)
    End Get
    Set(ByVal value As Integer)
        _espalda = value
    End Set
End Property
Property estomago As Integer
    Get
        Return (_estomago)
    End Get
    Set(ByVal value As Integer)
        _estomago = value
    End Set
End Property
Property frente As Integer
    Get
        Return (_frente)
    End Get
```



```
Set(ByVal value As Integer)
    _frente = value
End Set
End Property
Property garganta As Integer
Get
    Return (_garganta)
End Get
Set(ByVal value As Integer)
    _garganta = value
End Set
End Property
Property hombro As Integer
Get
    Return (_hombro)
End Get
Set(ByVal value As Integer)
    _hombro = value
End Set
End Property
Property mano As Integer
Get
    Return (_mano)
End Get
Set(ByVal value As Integer)
    _mano = value
End Set
End Property
Property muslo As Integer
```



```
Get
    Return (_muslo)
End Get

Set(ByVal value As Integer)
    _muslo = value
End Set

End Property

Property munieca As Integer
    Get
        Return (_munieca)
    End Get
    Set(ByVal value As Integer)
        _munieca = value
    End Set
End Property

Property nariz As Integer
    Get
        Return (_nariz)
    End Get
    Set(ByVal value As Integer)
        _nariz = value
    End Set
End Property

Property ojo As Integer
    Get
        Return (_ojo)
    End Get
    Set(ByVal value As Integer)
        _ojo = value
```



```
End Set
End Property
Property oreja As Integer
    Get
        Return (_oreja)
    End Get
    Set(ByVal value As Integer)
        _oreja = value
    End Set
End Property
Property pantorrilla As Integer
    Get
        Return (_pantorrilla)
    End Get
    Set(ByVal value As Integer)
        _pantorrilla = value
    End Set
End Property
Property pecho As Integer
    Get
        Return (_pecho)
    End Get
    Set(ByVal value As Integer)
        _pecho = value
    End Set
End Property
Property pie As Integer
    Get
        Return (_pie)
```



```
End Get
Set(ByVal value As Integer)
    _pie = value
End Set
End Property
Property pierna As Integer
Get
    Return (_pierna)
End Get
Set(ByVal value As Integer)
    _pierna = value
End Set
End Property
Property rodilla As Integer
Get
    Return (_rodilla)
End Get
Set(ByVal value As Integer)
    _rodilla = value
End Set
End Property
Property tobillo As Integer
Get
    Return (_tobillo)
End Get
Set(ByVal value As Integer)
    _tobillo = value
End Set
End Property
```



Property trasero As Integer

Get

Return (_trasero)

End Get

Set(ByVal value As Integer)

_trasero = value

End Set

End Property

Property estadoborradop As Integer

Get

Return (_estadoborradop)

End Get

Set(ByVal value As Integer)

_estadoborradop = value

End Set

End Property

Property ci As Integer

Get

Return (_ci)

End Get

Set(ByVal value As Integer)

_ci = value

End Set

End Property

Property fechacb As Date

Get

Return (_fechacb)

End Get

Set(ByVal value As Date)



```
        _fechacb = value
    End Set
End Property
Property tipoenfactual As String
    Get
        Return (_tipoenfactual)
    End Get
    Set(ByVal value As String)
        _tipoenfactual = value
    End Set
End Property
Property tipoenfanterior As String
    Get
        Return (_tipoenfanterior)
    End Get
    Set(ByVal value As String)
        _tipoenfanterior = value
    End Set
End Property
Property cimedico As Integer
    Get
        Return (_cimedico)
    End Get
    Set(ByVal value As Integer)
        _cimedico = value
    End Set
End Property
Property estadoc As String
    Get
```



```
        Return (_estadoc)
    End Get
    Set(ByVal value As String)
        _estadoc = value
    End Set
End Property
Property antecedentes As String
    Get
        Return (_antecedentes)
    End Get
    Set(ByVal value As String)
        _antecedentes = value
    End Set
End Property
Property gradoc As String
    Get
        Return (_gradoc)
    End Get
    Set(ByVal value As String)
        _gradoc = value
    End Set
End Property
Property nombreacompañante As String
    Get
        Return (_nombreacompañante)
    End Get
    Set(ByVal value As String)
        _nombreacompañante = value
    End Set
```




End Property

Property movilidad As String

Get

Return (_movilidad)

End Get

Set(ByVal value As String)

_movilidad = value

End Set

End Property

Property enfermedad As String

Get

Return (_enfermedad)

End Get

Set(ByVal value As String)

_enfermedad = value

End Set

End Property

Property enfermedadf As String

Get

Return (_enfermedadf)

End Get

Set(ByVal value As String)

_enfermedadf = value

End Set

End Property

Property actitud As String

Get

Return (_actitud)

End Get



```
Set(ByVal value As String)
    _actitud = value
End Set
End Property
Property estadon As String
    Get
        Return (_estadon)
    End Get
    Set(ByVal value As String)
        _estadon = value
    End Set
End Property
Property gradoh As String
    Get
        Return (_gradoh)
    End Get
    Set(ByVal value As String)
        _gradoh = value
    End Set
End Property
Property motivoconsulta As String
    Get
        Return (_motivoconsulta)
    End Get
    Set(ByVal value As String)
        _motivoconsulta = value
    End Set
End Property
Property temperatura As Double
```



```
Get
    Return (_temperatura)
End Get

Set(ByVal value As Double)
    _temperatura = value
End Set

End Property

Property pulso As String
    Get
        Return (_pulso)
    End Get
    Set(ByVal value As String)
        _pulso = value
    End Set
End Property

Property frecuenciac As String
    Get
        Return (_frecuenciac)
    End Get
    Set(ByVal value As String)
        _frecuenciac = value
    End Set
End Property

Property frecuenciar As String
    Get
        Return (_frecuenciar)
    End Get
    Set(ByVal value As String)
        _frecuenciar = value
```



```
End Set
End Property
Property otro As String
    Get
        Return (_otro)
    End Get
    Set(ByVal value As String)
        _otro = value
    End Set
End Property
Property fiebre As Integer
    Get
        Return (_fiebre)
    End Get
    Set(ByVal value As Integer)
        _fiebre = value
    End Set
End Property
Property dolor As Integer
    Get
        Return (_dolor)
    End Get
    Set(ByVal value As Integer)
        _dolor = value
    End Set
End Property
Property malestar As Integer
    Get
        Return (_malestar)
```



```
End Get
Set(ByVal value As Integer)
    _malestar = value
End Set
End Property
Property cn As ADODB.Connection
Get
    Return (_cn)
End Get
Set(ByVal value As ADODB.Connection)
    _cn = value
End Set
End Property
Property fecha As Date
Get
    Return (_fecha)
End Get
Set(ByVal value As Date)
    _fecha = value
End Set
End Property
Function Buscar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
```



```
sql = "select * from Atiende WHERE Fecha_Atiende=" &  
Format(_fechacb, "yyyy-MM-dd HH:mm:ss") & "';"
```

```
Try
```

```
rs.Open(sql, _cn)
```

```
Catch ex As Exception
```

```
Return (2)
```

```
End Try
```

```
If rs.RecordCount = 0 Then
```

```
retorno = 3
```

```
Else
```

```
_actitud = rs("Actitud").Value
```

```
_antecedentes = rs("Antecedentes_Personales").Value
```

```
_dolor = rs("Dolor").Value
```

```
_enfermedad = rs("Enfermedad_Actual").Value
```

```
_enfermedadf = rs("Enfermedad_Familiar").Value
```

```
_estadoc = rs("Estado_De_Conciencia").Value
```

```
_estadon = rs("Estado_De_Nutricion").Value
```

```
_fiebre = rs("Fiebre").Value
```

```
_frecuenciad = rs("Frecuencia_Cardiaca").Value
```

```
_frecuenciar = rs("Frecuencia_Respiratoria").Value
```

```
_gradoc = rs("Grado_De_Colaboracion").Value
```

```
_gradoh = rs("Grado_De_Hidratacion").Value
```

```
_malestar = rs("Malestar").Value
```

```
_motivoconsulta = rs("Motivo").Value
```

```
_movilidad = rs("Movilidad").Value
```

```
_nombreacompañante = rs("Nombre_Acompañante").Value
```

```
_otro = rs("Otro").Value
```

```
_pulso = rs("Pulso").Value
```

```
_temperatura = rs("Temperatura").Value
```



```

        _tipoenfactual = rs("Tipo_EnfermedadActual").Value
        _tipoenfanterior = rs("Tipo_EnfermedadAnterior").Value
        _cimedico = rs("CI_Medico").Value
        rs.Close()

    End If

End If

Return (retorno)

End Function

Function Guardar(ByVal alta As Boolean) As Integer

    Dim retorno As Integer = 0

    Dim rs As New ADODB.Recordset

    Dim sql As String

    Dim sql2 As String

    If cn.State = 0 Then

        retorno = 1

    Else

        If alta Then

            sql = "insert into Atiende (CI_Paciente, Estado_De_Conciencia,
Grado_De_Colaboracion, Movilidad, Grado_De_Hidratacion, Motivo,
Temperatura, Frecuencia_Cardiaca, Frecuencia_Respiratoria, Otro, Actitud,
Estado_de_Nutricion, Pulso, Enfermedad_Actual, Nombre_Acompañante,
Enfermedad_Familiar, Antecedentes_Personales, Fiebre, Dolor, Malestar,
Fecha_Atiente, CI_Medico, Tipo_EnfermedadActual,
Tipo_EnfermedadAnterior) VALUES ('" & _ci & "','" & _estadoc & "','" & _gradoc
& "','" & _movilidad & "','" & _gradoh & "','" & _motivoconsulta & "','" &
_temperatura & "','" & _frecuenciad & "','" & _frecuenciar & "','" & _otro & "','" &
_actitud & "','" & _estadon & "','" & _pulso & "','" & _enfermedad & "','" &
_nombreakcompañante & "','" & _enfermedadf & "','" & _antecedentes & "','" &
_fiebre & "','" & _dolor & "','" & _malestar & "','" & Format(_fecha, "yyyy-MM-dd
HH:mm:ss") & "','" & _cimedico & "','" & _tipoenfactual & "','" & _tipoenfanterior &
"');"

            Try

                cn.Execute(sql)

            Catch ex As Exception

                MsgBox(ex.Message)

            End Try

        End If

    End If

    Return retorno

End Function

```



```

Catch ex As Exception
    MsgBox(ex.ToString)
    Return (2)
End Try

sql2 = "insert into Posee(ID_Estado,CI_Paciente,Fechalnicio_E)
VALUES ('2,'" & _ci & "','" & Format(Now(), "yyyy-MM-dd HH:mm:ss") & "');"
Try
    _cn.Execute(sql2)
Catch ex As Exception
    MsgBox(ex.ToString)
    Return (3)
End Try
End If
End If
Return (retorno)
End Function

Function verifici() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select pa.CI_Paciente, pa.EstadoBorradoP from Persona as p
JOIN Paciente as pa ON p.CI=pa.CI_Paciente where pa.CI_Paciente=" & _ci &
        ",
    Try
        rs.Open(sql, _cn)
    Catch ex As Exception
        Return (4)

```




```
End Try
If rs.RecordCount = 0 Then
    retorno = 3
Else
    _ci = rs("CI_Paciente").Value
    _estadoborradoP = rs("EstadoBorradoP").Value
    rs.Close()
End If
End If
Return (retorno)
End Function
Function verifici2() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select pa.CI_Paciente, pa.EstadoBorradoP from Persona as p
JOIN Paciente as pa ON p.CI=pa.CI_Paciente JOIN Atiende as a ON
pa.CI_Paciente=a.CI_Paciente where a.CI_Paciente=" & _ci & ";"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            Return (4)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _ci = rs("CI_Paciente").Value
```



```
_estadoborradop = rs("EstadoBorradoP").Value
rs.Close()
End If
End If
Return (retorno)
End Function
Function buscardolor() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select * from PartesCuerpo as pc JOIN Incluye as i ON
pc.ID_Partes=i.ID_Partes JOIN Atiende as a ON i.CI_Paciente=a.CI_Paciente
where i.Fecha_Atiende='" & Format(_fecha, "yyyy-MM-dd HH:mm:ss") & "';"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            Return (4)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _boca = rs("Boca").Value
            _brazo = rs("Brazo").Value
            _cabeza = rs("Cabeza").Value
            _cuello = rs("Cuello").Value
            _dedo = rs("Dedo").Value
            _espalda = rs("Espalda").Value
```



```
_estomago = rs("Estomago").Value
_frente = rs("Frente").Value
_garganta = rs("Garganta").Value
_hombro = rs("Hombro").Value
_mano = rs("Mano").Value
_muslo = rs("Muslo").Value
_munieca = rs("Munieca").Value
_nariz = rs("Nariz").Value
_ojo = rs("Ojo").Value
_oreja = rs("Oreja").Value
_pantorrilla = rs("Pantorrilla").Value
_pecho = rs("Pecho").Value
_pie = rs("Pie").Value
_pierna = rs("Pierna").Value
_rodilla = rs("Rodilla").Value
_tobillo = rs("Tobillo").Value
_trasero = rs("Trasero").Value
rs.Close()

End If

End If

Return (retorno)

End Function

Function actitudE() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT Actitud FROM Atiende;"
    Try
        rs = _cn.Execute(sql)
```



```
Catch ex As Exception
    Return (retorno)
End Try
retorno.Clear()
While Not rs.EOF
    retorno.Add(rs(0).Value)
    rs.MoveNext()
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function

Function fechafunc() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT Fecha_Atiente FROM Atiente WHERE CI_Paciente= " &
_ci & ";"
    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
        Return (retorno)
    End Try
    retorno.Clear()
    While Not rs.EOF
        retorno.Add(rs(0).Value)
        rs.MoveNext()
    End While
    rs.Close()
```



```
rs = Nothing
Return (retorno)
End Function

Function estadonE() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT Estado_De_Nutricion FROM Atiende;"
    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
        Return (retorno)
    End Try
    retorno.Clear()
    While Not rs.EOF
        retorno.Add(rs(0).Value)
        rs.MoveNext()
    End While
    rs.Close()
    rs = Nothing
    Return (retorno)
End Function

Function pulsoE() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT Pulso FROM Atiende;"
    Try
        rs = _cn.Execute(sql)
```



```
Catch ex As Exception
    Return (retorno)
End Try
retorno.Clear()
While Not rs.EOF
    retorno.Add(rs(0).Value)
    rs.MoveNext()
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function

Function estadop() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Paciente set EstadoBorradoP= False where CI_Paciente"
        = " & _ci & ";"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
    End If
    Return (retorno)
End Function
```



```
Function Guardar2(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim sql2 As String
    Dim sql3 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql = "insert into PartesCuerpo (Cabeza, Cuello, Brazo, Mano, Muslo,
            Pantorrilla, Oreja, Hombro, Espalda, Trasero, Tobillo, Ojo, Nariz, Boca,
            Munieca, Dedo, Pierna, Frente, Garganta, Pecho, Estomago, Rodilla, Pie)
            VALUES ('" & _cabeza & "','" & _cuello & "','" & _brazo & "','" & _mano & "','" &
            _muslo & "','" & _pantorrilla & "','" & _oreja & "','" & _hombro & "','" & _espalda &
            "','" & _trasero & "','" & _tobillo & "','" & _ojo & "','" & _nariz & "','" & _boca & "','"
            & _munieca & "','" & _dedo & "','" & _pierna & "','" & _frente & "','" & _garganta &
            "','" & _pecho & "','" & _estomago & "','" & _rodilla & "','" & _pie & "');"
            Try
                cn.Execute(sql)
            Catch ex As Exception
                MsgBox(ex.ToString)
                Return (2)
            End Try
            sql2 = "SELECT MAX(ID_Partес) AS ID_PartесC FROM
            PartесCuerpo;"
            Try
                rs.Open(sql2, _cn)
            Catch ex As Exception
                MsgBox(ex.ToString)
                Return (3)
            End Try
```



```
_idp = rs("ID_Partec").Value

sql3 = "insert into Incluye (ID_Partec, CI_Paciente, CI_Medico,
Fecha_Atende) VALUES ('" & _idp & "','" & _ci & "','" & _cimedico & "','" &
Format(_fecha, "yyyy-MM-dd HH:mm:ss") & "');"

Try
    cn.Execute(sql3)
Catch ex As Exception
    MsgBox(ex.ToString)
    Return (2)
End Try

End If

End If

Return (retorno)

End Function

Function tabladata1() As DataTable
    Dim retorno As New DataTable
    Dim rs As New ADODB.Recordset
    Dim da As New OleDb.OleDbDataAdapter
    Dim sql As String

    sql = "select Enfermedad_Actual as 'Enfermedad' from
vista_SintomasAtiendeSD where Dolor =" & _dolor & " AND Fiebre =" & _fiebre
& " AND Malestar =" & _malestar & " AND Otro=" & _otro & "';"

    Try
        rs.Open(sql, _cn)
    Catch ex As Exception
        Return (retorno)
    End Try

    da.Fill(retorno, rs)

    Return (retorno)

End Function
```




Function tabladata2() As DataTable

Dim retorno As New DataTable

Dim rs As New ADODB.Recordset

Dim da As New OleDb.OleDbDataAdapter

Dim sql As String

```
sql = "select Enfermedad_Actual as 'Enfermedad' from
vista_SintomasAtiendeCD where Dolor =" & _dolor & " AND Fiebre =" & _fiebre
& " AND Malestar =" & _malestar & " AND Otro=" & _otro & " AND Cabeza ="
& _cabeza & " AND Cuello =" & _cuello & " AND Brazo=" & _brazo & " AND
Mano =" & _mano & " AND Muslo =" & _muslo & " AND Pantorrilla=" &
_pantorrilla & " AND Oreja =" & _oreja & " AND Hombro =" & _hombro & " AND
Espalda=" & _espalda & " AND Trasero =" & _trasero & " AND Tobillo =" &
_tobillo & " AND Ojo=" & _ojo & " AND Nariz =" & _nariz & " AND Boca =" &
_boca & " AND Munieca=" & _munieca & " AND Dedo =" & _dedo & " AND
Pierna =" & _pierna & " AND Frente=" & _frente & " AND Garganta =" &
_garganta & " AND Pecho =" & _pecho & " AND Estomago=" & _estomago & "
AND Rodilla =" & _rodilla & " AND Pie=" & _pie & ";"
```

Try

rs.Open(sql, _cn)

Catch ex As Exception

Return (retorno)

End Try

da.Fill(retorno, rs)

Return (retorno)

End Function

Function nomape() As Integer

Dim sql As String

Dim rs As New ADODB.Recordset

Dim retorno As Integer = 0

If cn.State = 0 Then

retorno = 1

Else



```
sql = "select Primer_Nombre, Primer_Apellido from Persona where CI="
& _ci & ";
```

```
Try
```

```
rs.Open(sql, _cn)
```

```
Catch ex As Exception
```

```
Return (4)
```

```
End Try
```

```
If rs.RecordCount = 0 Then
```

```
retorno = 3
```

```
Else
```

```
_nombrepaciente = rs("Primer_Nombre").Value
```

```
_apellidopaciente = rs("Primer_Apellido").Value
```

```
rs.Close()
```

```
End If
```

```
End If
```

```
Return (retorno)
```

```
End Function
```

```
Function confirmarenf() As Integer
```

```
Dim sql As String
```

```
Dim rs As New ADODB.Recordset
```

```
Dim retorno As Integer = 0
```

```
If cn.State = 0 Then
```

```
retorno = 1
```

```
Else
```

```
sql = "update Atiende set Enfermedad_Actual=" & _enfermedad & "
where CI_Paciente=" & _ci & " AND Fecha_Atiende=" & Format(_fecha, "yyyy-
MM-dd HH:mm:ss") & ";
```

```
Try
```

```
_cn.Execute(sql)
```

```
Catch ex As Exception
```



Return (2)

End Try

End If

Return (retorno)

End Function

End Class



Formularios

Imports System.Data.SqlClient

Public Class Formularios

Protected _idf As Integer
Protected _idp As Integer
Protected _tipo As String
Protected _ci As Integer
Protected _cimedico As Integer
Protected _fecha As Date
Protected _idr As Integer
Protected _pregunta As String
Protected _respuesta As String
Protected _nuevapregunta As String
Protected _estadoborradop As Integer
Protected _cn As ADODB.Connection

'Metodos constructores

Sub New()

_tipo = ""
_respuesta = ""
_estadoborradop = 0
_pregunta = ""
_nuevapregunta = ""
_fecha = New Date
_idf = 0
_idr = 0
_ci = 0
_cimedico = 0



```
_idp = 0
```

```
_cn = New ADODB.Connection
```

```
End Sub
```

```
Sub New(ByVal cimedico As Integer, ByVal idr As Integer, ByVal respuesta  
As String, ByVal fecha As Date, ByVal estadoborradop As Integer, ByVal ci As  
Integer, ByVal tipo As String, ByVal pregunta As String, ByVal nuevapregunta  
As String, ByVal cn As ADODB.Connection, ByVal idf As Integer, ByVal idp As  
Integer)
```

```
_idf = idf
```

```
_idr = idr
```

```
_idp = idp
```

```
_fecha = fecha
```

```
_cimedico = cimedico
```

```
_tipo = tipo
```

```
_respuesta = respuesta
```

```
_estadoborradop = estadoborradop
```

```
_pregunta = pregunta
```

```
_nuevapregunta = nuevapregunta
```

```
_cn = cn
```

```
_ci = ci
```

```
End Sub
```

```
'Get y set de las propiedades
```

```
Property cimedico As Integer
```

```
Get
```

```
Return (_cimedico)
```

```
End Get
```

```
Set(ByVal value As Integer)
```

```
_cimedico = value
```

```
End Set
```



End Property

Property idr As Integer

Get

Return (_idr)

End Get

Set(ByVal value As Integer)

_idr = value

End Set

End Property

Property respuesta As String

Get

Return (_respuesta)

End Get

Set(ByVal value As String)

_respuesta = value

End Set

End Property

Property fecha As Date

Get

Return (_fecha)

End Get

Set(ByVal value As Date)

_fecha = value

End Set

End Property

Property tipo As String

Get

Return (_tipo)

End Get



```
Set(ByVal value As String)
    _tipo = value
End Set
End Property
Property pregunta As String
    Get
        Return (_pregunta)
    End Get
    Set(ByVal value As String)
        _pregunta = value
    End Set
End Property
Property nuevapregunta As String
    Get
        Return (_nuevapregunta)
    End Get
    Set(ByVal value As String)
        _nuevapregunta = value
    End Set
End Property
Property estadoborradop As Integer
    Get
        Return (_estadoborradop)
    End Get
    Set(ByVal value As Integer)
        _estadoborradop = value
    End Set
End Property
Property ci As Integer
```



```
Get
    Return (_ci)
End Get

Set(ByVal value As Integer)
    _ci = value
End Set

End Property

Property idf As Integer
    Get
        Return (_idf)
    End Get
    Set(ByVal value As Integer)
        _idf = value
    End Set
End Property

Property idp As Integer
    Get
        Return (_idp)
    End Get
    Set(ByVal value As Integer)
        _idp = value
    End Set
End Property

Property cn As ADODB.Connection
    Get
        Return (_cn)
    End Get
    Set(ByVal value As ADODB.Connection)
        _cn = value
    End Set
End Property
```




```
End Set
End Property
Function Guardar(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql = "INSERT INTO Formulario (Tipo_Form) VALUES ('" & _tipo &
            ");"
            Try
                _cn.Execute(sql)
            Catch ex As Exception
                Return (5)
            End Try
        End If
    End If
    Return (retorno)
End Function
Function tipoform() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT Tipo_Form FROM Formulario WHERE
    EstadoBorradoF= FALSE;"
    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
```



```
Return (retorno)
End Try
retorno.Clear()
While Not rs.EOF
    retorno.Add(rs(0).Value)
    rs.MoveNext()
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function
Function verifici() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select r.CI_Paciente, pa.EstadoBorradoP from Persona as p JOIN
Paciente as pa ON p.CI=pa.CI_Paciente JOIN Atiende as a ON
pa.CI_Paciente=a.CI_Paciente JOIN Responde as r ON
a.CI_Paciente=r.CI_Paciente where r.CI_Paciente=" & _ci & ";"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            Return (4)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
```



```
_ci = rs("CI_Paciente").Value
_estadoborradop = rs("EstadoBorradoP").Value
rs.Close()

End If

End If

Return (retorno)

End Function

Function estadop() As Integer

Dim sql As String

Dim rs As New ADODB.Recordset

Dim retorno As Integer = 0

If cn.State = 0 Then

    retorno = 1

Else

    sql = "update Paciente set EstadoBorradoP= False where CI_Paciente"
    sql = sql & _ci & ";"

    Try

        _cn.Execute(sql)

    Catch ex As Exception

        Return (2)

    End Try

End If

Return (retorno)

End Function

Function fechafunc() As List(Of String)

Dim retorno As New List(Of String)

Dim rs As New ADODB.Recordset

Dim sql As String

sql = "SELECT Fecha_Atende FROM Atende WHERE CI_Paciente= " &
sql = sql & _ci & ";"
```



```
Try
    rs = _cn.Execute(sql)
Catch ex As Exception
    Return (retorno)
End Try
retorno.Clear()
While Not rs.EOF
    retorno.Add(rs(0).Value)
    rs.MoveNext()
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function

Function cifunc() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String

    sql = "SELECT CI_Medico FROM Atiende WHERE Fecha_Atiende= " &
Format(_fecha, "yyyy-MM-dd HH:mm:ss") & ";"

    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
        Return (retorno)
    End Try
    retorno.Clear()
    While Not rs.EOF
        retorno.Add(rs(0).Value)
        rs.MoveNext()
```



```
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function
Function verifici2() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select pa.CI_Paciente, pa.EstadoBorradoP from Persona as p
JOIN Paciente as pa ON p.CI=pa.CI_Paciente where pa.CI_Paciente=" & _ci &
","
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            Return (4)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _ci = rs("CI_Paciente").Value
            _estadoborradop = rs("EstadoBorradoP").Value
            rs.Close()
        End If
    End If
    Return (retorno)
End Function
```



```
Function tipoform2() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT f.Tipo_Form FROM Formulario as f JOIN
    Contiene as c ON f.ID_Form=c.ID_Form JOIN Tiene as t ON
    c.ID_Form=t.ID_Form JOIN Respuesta as r ON t.ID_Resp=r.ID_Resp JOIN
    Responde as re ON r.ID_Resp=re.ID_Resp WHERE f.EstadoBorradoF=FALSE
    AND re.CI_Paciente=" & _ci & ";"
    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
        Return (retorno)
    End Try
    retorno.Clear()
    While Not rs.EOF
        retorno.Add(rs(0).Value)
        rs.MoveNext()
    End While
    rs.Close()
    rs = Nothing
    Return (retorno)
End Function

Function idform() As List(Of Integer)
    Dim retorno As New List(Of Integer)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT ID_Form FROM Formulario WHERE
    EstadoBorradoF=FALSE AND Tipo_Form=" & _tipo & ";"
    Try
        rs = _cn.Execute(sql)
```



```
Catch ex As Exception
    Return (retorno)
End Try
retorno.Clear()
While Not rs.EOF
    retorno.Add(rs(0).Value)
    rs.MoveNext()
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function

Function Guardar1(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql = "INSERT INTO Pregunta (TextoPreg) VALUES ('" & _pregunta
& "');"
            Try
                _cn.Execute(sql)
            Catch ex As Exception
                Return (5)
            End Try
        Else
            End If
        End If
    End If
```



```
End If
Return (retorno)
End Function
Function Guardar2(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim sql2 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql = "SELECT ID_Preg FROM Pregunta where TextoPreg=" &
                _pregunta & ";"
            Try
                rs.Open(sql, _cn)
            Catch ex As Exception
                Return (5)
            End Try
            _idp = rs("ID_Preg").Value
            rs.Close()
            sql2 = "INSERT INTO Contiene (ID_Form,ID_Preg) VALUES (" & _idf
                & "," & _idp & ");"
            Try
                _cn.Execute(sql2)
            Catch ex As Exception
                Return (5)
            End Try
        Else
```




```
sql = "SELECT ID_Preg FROM Pregunta where TextoPreg=" &
_pregunta & "';"

Try
    rs.Open(sql, _cn)
Catch ex As Exception
    Return (5)
End Try

_idp = rs("ID_Preg").Value
rs.Close()

sql2 = "update Pregunta set TextoPreg=" & _nuevapregunta & "
where ID_Preg=" & _idp & "';"

Try
    _cn.Execute(sql2)
Catch ex As Exception
    Return (5)
End Try

End If

End If

Return (retorno)

End Function

Function preg() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT TextoPreg FROM Pregunta;"
    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
        Return (retorno)
    End Try
```



```
    retorno.Clear()
    While Not rs.EOF
        retorno.Add(rs(0).Value)
        rs.MoveNext()
    End While
    rs.Close()
    rs = Nothing
    Return (retorno)
End Function

Function preg2() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT p.TextoPreg FROM Pregunta as p JOIN
    Contiene as c ON p.ID_Preg=c.ID_Preg WHERE c.ID_Form=" & _idf & ";"
    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
        Return (retorno)
    End Try
    retorno.Clear()
    While Not rs.EOF
        retorno.Add(rs(0).Value)
        rs.MoveNext()
    End While
    rs.Close()
    rs = Nothing
    Return (retorno)
End Function
```



Function Eliminar() As Integer

Dim retorno As Integer = 0

Dim rs As New ADODB.Recordset

Dim sql As String

Dim sql2 As String

Dim sql3 As String

If cn.State = 0 Then

 retorno = 1

Else

 sql = "SELECT ID_Preg FROM Pregunta where TextoPreg=" & _pregunta & " ";"

 Try

 rs.Open(sql, _cn)

 Catch ex As Exception

 MsgBox(ex.ToString)

 Return (5)

 End Try

 _idp = rs("ID_Preg").Value

 rs.Close()

 sql2 = "delete from Tiene where ID_Preg=" & _idp & ";"

 Try

 _cn.Execute(sql2)

 Catch ex As Exception

 MsgBox(ex.ToString)

 Return (2)

 End Try

 sql2 = "delete from Contiene where ID_Preg=" & _idp & ";"

 Try

 _cn.Execute(sql2)



```
Catch ex As Exception
    MsgBox("a")
    MsgBox(ex.ToString)
    Return (2)
End Try

sql3 = "delete from Pregunta where ID_Preg=" & _idp & ";"
Try
    _cn.Execute(sql3)
Catch ex As Exception
    MsgBox(ex.ToString)
    Return (2)
End Try
End If
Return (retorno)
End Function

Function Eliminar1() As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Formulario set EstadoBorradoF= TRUE where ID_Form="
        & _idf & ";"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (3)
        End Try
    End Try
```



```
End If
Return (retorno)
End Function
Function tablaform() As DataTable
    Dim retorno As New DataTable
    Dim rs As New ADODB.Recordset
    Dim da As New OleDb.OleDbDataAdapter
    Dim sql As String
    sql = "select p.TextoPreg as 'Pregunta', r.TextoResp as 'Respuesta' from
Pregunta as p join Tiene as t on p.ID_Preg=t.ID_Preg join Respuesta as r ON
t.ID_Resp=r.ID_Resp where t.ID_Form=" & _idf & ";"
    Try
        rs.Open(sql, _cn)
    Catch ex As Exception
        Return (retorno)
    End Try
    da.Fill(retorno, rs)
    Return (retorno)
End Function
Function Guardar3(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim sql2 As String
    Dim sql3 As String
    Dim sql4 As String
    Dim sql5 As String
    If cn.State = 0 Then
        retorno = 1
    Else
```



```
If alta Then
    sql = "INSERT INTO Respuesta (TextoResp) VALUES ('" &
    _respuesta & "');"
    Try
        _cn.Execute(sql)
    Catch ex As Exception
        Return (2)
    End Try
    sql2 = "SELECT MAX(ID_Resp) AS ID_RespC FROM Respuesta;"
    Try
        rs.Open(sql2, _cn)
    Catch ex As Exception
        Return (3)
    End Try
    _idr = rs("ID_RespC").Value
    rs.Close()
    sql3 = "INSERT INTO Responde
    (CI_Medico,CI_Paciente,Fecha_Atiende,ID_Resp) VALUES (" & _cimedico &
    "," & _ci & "," & Format(_fecha, "yyyy-MM-dd HH:mm:ss") & "," & _idr & "');"
    Try
        _cn.Execute(sql3)
    Catch ex As Exception
        Return (4)
    End Try
    sql4 = "SELECT ID_Preg FROM Pregunta where TextoPreg='" &
    _pregunta & "';"
    Try
        rs.Open(sql4, _cn)
    Catch ex As Exception
        Return (5)
```



```

End Try

_idp = rs("ID_Preg").Value
rs.Close()

sql5 = "INSERT INTO Tiene (ID_Form,ID_Preg,ID_Resp,FechaR)
VALUES (" & _idf & "," & _idp & "," & _idr & "," & Format(Now, "yyyy-MM-dd
HH:mm:ss") & ");"

Try
    _cn.Execute(sql5)
Catch ex As Exception
    MsgBox(ex.ToString)
    Return (6)
End Try

End If

End If

Return (retorno)

End Function

Function comprobarFecha() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select Fecha_Atiente from Atiente WHERE CI_Paciente=" & _ci
        & ","
    Try
        rs.Open(sql, _cn)
    Catch ex As Exception
        MsgBox(ex.ToString)
        Return (2)
    
```



```
End Try
If rs.RecordCount = 0 Then
    retorno = 3
Else
    End If
rs.Close()
End If
Return (retorno)
End Function
End Class
```




Pacientes

Public Class Pacientes

```
Protected _ci As Integer
Protected _pnombre As String
Protected _snombre As String
Protected _usuario As String
Protected _papellido As String
Protected _sapellido As String
Protected _estadocivil As String
Protected _sexo As Char
Protected _fechanac As Date
Protected _edad As Integer
Protected _telefono As String
Protected _calle As String
Protected _correo As String
Protected _esquina As String
Protected _nropuerta As String
Protected _contrasena As String
Protected _estadoborradop As Integer
Protected _cn As ADODB.Connection
```

'Metodos constructores

Sub New()

```
_ci = 0
_usuario = ""
_pnombre = ""
_snombre = ""
_estadoborradop = 0
_papellido = ""
_sapellido = ""
```



```
_estadocivil = ""  
_sexo = ""  
_contrasena = ""  
_edad = 0  
_correo = ""  
_fechanac = New Date  
_telefono = ""  
_calle = ""  
_esquina = ""  
_nropuerta = ""  
_cn = New ADODB.Connection
```

End Sub

Sub New(ByVal usuario As String, ByVal contrasena As String, ByVal correo As String, ByVal estadoborrado As Integer, ByVal ci As Integer, ByVal pnombre As String, ByVal snombre As String, ByVal papellido As String, ByVal sapellido As String, ByVal estadocivil As String, ByVal sexo As Char, ByVal ocupacion As String, ByVal edad As Integer, ByVal fechanac As Date, ByVal telefono As String, ByVal calle As String, ByVal esquina As String, ByVal nropuerta As String, ByVal cn As ADODB.Connection)

```
_ci = ci  
_usuario = usuario  
_correo = correo  
_contrasena = contrasena  
_pnombre = pnombre  
_snombre = snombre  
_papellido = papellido  
_sapellido = sapellido  
_estadoborrado = estadoborrado  
_estadocivil = estadocivil  
_sexo = sexo  
_edad = edad
```



```
_fechanac = fechanac
```

```
_telefono = telefono
```

```
_calle = calle
```

```
_esquina = esquina
```

```
_nropuerta = nropuerta
```

```
_cn = cn
```

```
End Sub
```

```
'Get y set de las propiedades
```

```
Property usuario As String
```

```
Get
```

```
Return (_usuario)
```

```
End Get
```

```
Set(ByVal value As String)
```

```
_usuario = value
```

```
End Set
```

```
End Property
```

```
Property contrasena As String
```

```
Get
```

```
Return (_contrasena)
```

```
End Get
```

```
Set(ByVal value As String)
```

```
_contrasena = value
```

```
End Set
```

```
End Property
```

```
Property correo As String
```

```
Get
```

```
Return (_correo)
```

```
End Get
```

```
Set(ByVal value As String)
```



```
        _correo = value
    End Set
End Property
Property estadoborradop As Integer
    Get
        Return (_estadoborradop)
    End Get
    Set(ByVal value As Integer)
        _estadoborradop = value
    End Set
End Property
Property ci As Integer
    Get
        Return (_ci)
    End Get
    Set(ByVal value As Integer)
        _ci = value
    End Set
End Property
Property pnombre As String
    Get
        Return (_pnombre)
    End Get
    Set(ByVal value As String)
        _pnombre = value
    End Set
End Property
Property snombre As String
    Get
```



```
        Return (_snombre)
    End Get
    Set(ByVal value As String)
        _snombre = value
    End Set
End Property
Property papellido As String
    Get
        Return (_papellido)
    End Get
    Set(ByVal value As String)
        _papellido = value
    End Set
End Property
Property sapellido As String
    Get
        Return (_sapellido)
    End Get
    Set(ByVal value As String)
        _sapellido = value
    End Set
End Property
Property estadocivil As String
    Get
        Return (_estadocivil)
    End Get
    Set(ByVal value As String)
        _estadocivil = value
    End Set
```



End Property

Property sexo As Char

Get

Return (_sexo)

End Get

Set(ByVal value As Char)

_sexo = value

End Set

End Property

Property fechanac As Date

Get

Return (_fechanac)

End Get

Set(ByVal value As Date)

_fechanac = value

End Set

End Property

Property edad As Integer

Get

Return (_edad)

End Get

Set(ByVal value As Integer)

_edad = value

End Set

End Property

Property telefono As String

Get

Return (_telefono)

End Get



```
Set(ByVal value As String)
    _telefono = value
End Set
End Property
Property calle As String
    Get
        Return (_calle)
    End Get
    Set(ByVal value As String)
        _calle = value
    End Set
End Property
Property esquina As String
    Get
        Return (_esquina)
    End Get
    Set(ByVal value As String)
        _esquina = value
    End Set
End Property
Property nropuerta As String
    Get
        Return (_nropuerta)
    End Get
    Set(ByVal value As String)
        _nropuerta = value
    End Set
End Property
Property cn As ADODB.Connection
```



```
Get
    Return (_cn)
End Get

Set(ByVal value As ADODB.Connection)
    _cn = value
End Set

End Property

Function Buscar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select * from Persona as p JOIN Paciente as pa ON
p.Cl=pa.Cl_Paciente WHERE pa.Cl_Paciente=" & _ci & ";"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            MsgBox(ex.ToString)
            Return (2)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _pnombre = rs("Primer_Nombre").Value
            _estadoborrado = rs("EstadoBorradoP").Value
            _snombre = rs("Segundo_Nombre").Value
            _papellido = rs("Primer_Apellido").Value
```




```

        _sapellido = rs("Segundo_Apellido").Value
        _estadocivil = rs("Estado_Civil").Value
        _sexo = rs("Sexo").Value
        _fechanac = rs("Fecha_Nac").Value
        _calle = rs("Calle").Value
        _esquina = rs("Esquina").Value
        _nropuerta = rs("Numero").Value
        _correo = rs("Correo").Value
        rs.Close()

        sql = "select TIMESTAMPDIFF(YEAR, Fecha_Nac, curdate()) as
Edad from Persona where Cl=" & _ci & ";"

        Try
            rs.Open(sql, _cn)
            _edad = rs("Edad").Value
        Catch ex As Exception
            Return (5)
        End Try
    End If

    rs.Close()

End If

Return (retorno)

End Function

Function verifyci() As Integer

    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0

    If cn.State = 0 Then
        retorno = 1
    Else

```



```
sql = "select CI from Personal_Medico WHERE CI=" & _ci & ";"  
Try  
    rs.Open(sql, _cn)  
Catch ex As Exception  
    MsgBox(ex.ToString)  
    Return (2)  
End Try  
If rs.RecordCount = 0 Then  
    retorno = 3  
Else  
    _ci = rs("CI").Value  
End If  
rs.Close()  
End If  
Return (retorno)  
End Function  
Function patelefono() As List(Of String)  
    Dim retorno As New List(Of String)  
    Dim rs As New ADODB.Recordset  
    Dim sql As String  
    sql = "select Telefono from Persona_Telefono where CI=" & _ci & ";"  
    Try  
        rs = _cn.Execute(sql)  
    Catch ex As Exception  
        Return (retorno)  
    End Try  
    retorno.Clear()  
    While Not rs.EOF  
        retorno.Add(rs(0).Value)
```



```

        rs.MoveNext()
    End While
    rs.Close()
    rs = Nothing
    Return (retorno)
End Function

Function Guardar(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim sql3 As String
    Dim sql4 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql = "insert into Persona
(CI,Fecha_Nac,Calle,Esquina,Numero,Primer_Apellido,Segundo_Apellido,Prim
er_Nombre,Segundo_Nombre, Correo) VALUES (" & _ci & "," &
Format(_fechanac, "yyyy-MM-dd HH:mm:ss") & "," & _calle & "," & _esquina &
"," & _nropuerta & "," & _papellido & "," & _sapellido & "," & _pnombre & ","
& _snombre & "," & _correo & ");"

            Try
                _cn.Execute(sql)
            Catch ex As Exception
                Return (2)
            End Try

            sql3 = "insert into Paciente(CI_Paciente,Estado_Civil,Sexo) VALUES
(" & _ci & "," & _estadocivil & "," & _sexo & ");"

            Try
                _cn.Execute(sql3)

```



```
Catch ex As Exception
    Return (5)
End Try

sql4 = "insert into Posee(ID_Estado,CI_Paciente,Fechalnicio_E)
VALUES ('1'," & _ci & "," & Format(Now(), "yyyy-MM-dd HH:mm:ss") & ");"

Try
    _cn.Execute(sql4)
Catch ex As Exception
    Return (5)
End Try

Else
    sql = "update Paciente set Estado_Civil=" & _estadocivil & ", Sexo="
    & _sexo & " where CI_Paciente=" & _ci & ";"

    Try
        _cn.Execute(sql)
    Catch ex As Exception
        Return (5)
    End Try

    sql3 = "update Persona set Fecha_Nac=" & Format(_fechanac,
"yyyy-MM-dd HH:mm:ss") & ", Calle=" & _calle & ", Esquina=" & _esquina & ",
Numero=" & _nropuerta & ", Primer_Apellido=" & _papellido & ",
Segundo_Apellido=" & _sapellido & ", Primer_Nombre=" & _pnombre & ",
Segundo_Nombre=" & _snombre & ", Correo=" & _correo & " where CI=" &
_ci & ";"

    Try
        _cn.Execute(sql3)
    Catch ex As Exception
        Return (7)
    End Try
End If
End If
```



```
Return (retorno)

End Function

Function GuardarT(ByVal alta As Boolean) As Integer

    Dim retorno As Integer = 0

    Dim rs As New ADODB.Recordset

    Dim sql2 As String

    If cn.State = 0 Then

        retorno = 1

    Else

        If alta Then

            sql2 = "insert into Persona_Telefono(CI,Telefono) VALUES (" & _ci &
", " & _telefono & ");"

            Try

                _cn.Execute(sql2)

            Catch ex As Exception

                Return (3)

            End Try

        End If

    End If

    Return (retorno)

End Function

Function EliminarT(ByVal alta As Boolean) As Integer

    Dim retorno As Integer = 0

    Dim rs As New ADODB.Recordset

    Dim sql2 As String

    If cn.State = 0 Then

        retorno = 1

    Else

        If alta Then
```



```

sql2 = "delete from Persona_Telefono where Telefono= '" & _telefono
& "',"

Try
    _cn.Execute(sql2)
Catch ex As Exception
    Return (3)
End Try

End If

End If

Return (retorno)

End Function

Function Guardar1(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql3 As String
    Dim sql4 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql3 = "insert into Paciente(CI_Paciente,Estado_Civil,Sexo) VALUES
(" & _ci & "," & _estadocivil & "," & _sexo & ");"
            Try
                _cn.Execute(sql3)
            Catch ex As Exception
                Return (5)
            End Try

            sql4 = "insert into Posee(ID_Estado,CI_Paciente,Fechalnicio_E)
VALUES ('1'," & _ci & "," & Format(Now(), "yyyy-MM-dd HH:mm:ss") & ");"
            Try

```



```
        _cn.Execute(sql4)
    Catch ex As Exception
        Return (5)
    End Try
End If
End If
Return (retorno)
End Function

Function adduser(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql3 As String
    Dim sql4 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql3 = "CREATE USER '" & _usuario & "'@'192.168.1.209'
IDENTIFIED BY '" & _contrasena & "';"
            Try
                _cn.Execute(sql3)
            Catch ex As Exception
                MsgBox(ex.ToString)
                Return (5)
            End Try
            sql3 = "GRANT GSAPacientes TO '" & _usuario &
"'@'192.168.1.209';"
            Try
                _cn.Execute(sql3)
            Catch ex As Exception
```



```
        MsgBox(ex.ToString)
        Return (5)
    End Try

    sql4 = "insert into Usuario_Rol(Usuario,Rol,CI) VALUES ('" &
_usuario & "','3'," & _ci & ");"

    Try
        _cn.Execute(sql4)
    Catch ex As Exception
        Return (6)
    End Try

End If

End If

Return (retorno)

End Function

Function Eliminar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0

    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Paciente set EstadoBorradoP= TRUE where CI_Paciente
=" & _ci & ";";
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
    End If

Return (retorno)
```




End Function

Function ecivil() As List(Of String)

Dim retorno As New List(Of String)

Dim rs As New ADODB.Recordset

Dim sql As String

sql = "SELECT DISTINCT Estado_Civil FROM Paciente;"

Try

rs = _cn.Execute(sql)

Catch ex As Exception

Return (retorno)

End Try

retorno.Clear()

While Not rs.EOF

retorno.Add(rs(0).Value)

rs.MoveNext()

End While

rs.Close()

rs = Nothing

Return (retorno)

End Function

Function csexo() As List(Of Char)

Dim retorno As New List(Of Char)

Dim rs As New ADODB.Recordset

Dim sql As String

sql = "SELECT DISTINCT Sexo FROM Paciente;"

Try

rs = _cn.Execute(sql)

Catch ex As Exception

Return (retorno)



```
End Try
retorno.Clear()
While Not rs.EOF
    retorno.Add(rs(0).Value)
    rs.MoveNext()
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function
Function estadop() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Paciente set EstadoBorradoP= False where CI_Paciente"
        =" & _ci & ";"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
    End If
    Return (retorno)
End Function
End Class
```



Personal Médico

Public Class PersonalMedico

```
Protected _ci As Integer
Protected _pnombre As String
Protected _snombre As String
Protected _usuario As String
Protected _contrasena As String
Protected _papellido As String
Protected _fechanac As Date
Protected _sapellido As String
Protected _calle As String
Protected _nropuerta As String
Protected _esquina As String
Protected _correo As String
Protected _telefono As String
Protected _edad As Integer
Protected _especialidad As String
Protected _estadoborrado As Integer
Protected _cn As ADODB.Connection
```

Sub New()

```
_ci = 0
_edad = 0
_usuario = ""
_contrasena = ""
_estadoborrado = 0
_fechanac = New Date
_pnombre = ""
_correo = ""
_snombre = ""
```



```
_papellido = ""  
_sapellido = ""  
_nropuerta = ""  
_esquina = ""  
_calle = ""  
_telefono = ""  
_especialidad = ""  
_cn = New ADODB.Connection
```

End Sub

Sub New(ByVal usuario As String, ByVal contrasena As String, ByVal correo As String, ByVal estadoborrado As Integer, ByVal ci As Integer, ByVal edad As Integer, ByVal fechanac As Date, ByVal calle As String, ByVal pnombre As String, ByVal snombre As String, ByVal papellido As String, ByVal sapellido As String, ByVal nropuerta As String, ByVal esquina As String, ByVal telefono As String, ByVal especialidad As String, ByVal cn As ADODB.Connection)

```
_ci = ci  
_usuario = usuario  
_contrasena = contrasena  
_pnombre = pnombre  
_correo = correo  
_edad = edad  
_snombre = snombre  
_fechanac = fechanac  
_calle = calle  
_papellido = papellido  
_sapellido = sapellido  
_nropuerta = nropuerta  
_esquina = esquina  
_telefono = telefono  
_especialidad = especialidad  
_cn = cn
```



```
_estadoborrado = estadoborrado  
End Sub  
Property usuario As String  
    Get  
        Return (_usuario)  
    End Get  
    Set(ByVal value As String)  
        _usuario = value  
    End Set  
End Property  
Property contrasena As String  
    Get  
        Return (_contrasena)  
    End Get  
    Set(ByVal value As String)  
        _contrasena = value  
    End Set  
End Property  
Property correo As String  
    Get  
        Return (_correo)  
    End Get  
    Set(ByVal value As String)  
        _correo = value  
    End Set  
End Property  
Property estadoborrado As Integer  
    Get  
        Return (_estadoborrado)
```



```
End Get
Set(ByVal value As Integer)
    _estadoborrado = value
End Set
End Property
Property ci As Integer
Get
    Return (_ci)
End Get
Set(ByVal value As Integer)
    _ci = value
End Set
End Property
Property edad As Integer
Get
    Return (_edad)
End Get
Set(ByVal value As Integer)
    _edad = value
End Set
End Property
Property pnombre As String
Get
    Return (_pnombre)
End Get
Set(ByVal value As String)
    _pnombre = value
End Set
End Property
```



Property fechanac As Date

Get

Return (_fechanac)

End Get

Set(ByVal value As Date)

_fechanac = value

End Set

End Property

Property calle As String

Get

Return (_calle)

End Get

Set(ByVal value As String)

_calle = value

End Set

End Property

Property snombre As String

Get

Return (_pnombre)

End Get

Set(ByVal value As String)

_snombre = value

End Set

End Property

Property papellido As String

Get

Return (_papellido)

End Get

Set(ByVal value As String)



```
        _papellido = value
    End Set
End Property
Property sapellido As String
    Get
        Return (_sapellido)
    End Get
    Set(ByVal value As String)
        _sapellido = value
    End Set
End Property
Property nropuerta As String
    Get
        Return (_nropuerta)
    End Get
    Set(ByVal value As String)
        _nropuerta = value
    End Set
End Property
Property esquina As String
    Get
        Return (_esquina)
    End Get
    Set(ByVal value As String)
        _esquina = value
    End Set
End Property
Property telefono As String
    Get
```




```
        Return (_telefono)
    End Get
    Set(ByVal value As String)
        _telefono = value
    End Set
End Property
Property especialidad As String
    Get
        Return (_especialidad)
    End Get
    Set(ByVal value As String)
        _especialidad = value
    End Set
End Property
Property cn As ADODB.Connection
    Get
        Return (_cn)
    End Get
    Set(ByVal value As ADODB.Connection)
        _cn = value
    End Set
End Property
Function Buscar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
```



```
sql = "select * from Persona as p JOIN Personal_Medico as m ON  
p.Cl=m.Cl where m.Cl=" & _ci & ";"  
  
Try  
    rs.Open(sql, _cn)  
Catch ex As Exception  
    Return (2)  
End Try  
  
If rs.RecordCount = 0 Then  
    retorno = 3  
Else  
    _pnombre = rs("Primer_Nombre").Value  
    _snombre = rs("Segundo_Nombre").Value  
    _papellido = rs("Primer_Apellido").Value  
    _sapellido = rs("Segundo_Apellido").Value  
    _fechanac = rs("Fecha_Nac").Value  
    _calle = rs("Calle").Value  
    _esquina = rs("Esquina").Value  
    _nropuerta = rs("Numero").Value  
    _estadoborradoM = rs("EstadoBorradoM").Value  
    rs.Close()  
  
    sql = "select Telefono from Persona_Telefono where Cl=" & _ci & ";"  
  
    Try  
        rs.Open(sql, _cn)  
        _telefono = rs("Telefono").Value  
    Catch ex As Exception  
        Return (4)  
    End Try  
  
    rs.Close()  
  
    sql = "select Especialidad from Medico where Cl_Medico=" & _ci & ";"
```



```
Try
    rs.Open(sql, _cn)
    If rs.EOF And rs.BOF Then
        _especialidad = "-"
    Else
        _especialidad = rs("Especialidad").Value
    End If
Catch ex As Exception
    Return (5)
End Try
rs.Close()

sql = "select TIMESTAMPDIFF(YEAR, Fecha_Nac, curdate()) as
Edad from Persona where CI=" & _ci & ";"

Try
    rs.Open(sql, _cn)
    _edad = rs("Edad").Value
    rs.Close()
Catch ex As Exception
    Return (6)
End Try
End If
End If
Return (retorno)
End Function

Function estado() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
```



```

        retorno = 1
    Else
        sql = "update Personal_Medico set EstadoBorradoM= FALSE where CI
        =" & _ci & ";"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
    End If
    Return (retorno)
End Function

Function Guardar1(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim sql3 As String
    Dim sql4 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql = "insert into Persona
            (CI,Fecha_Nac,Calle,Esquina,Numero,Primer_Apellido,Segundo_Apellido,Prim
            er_Nombre,Segundo_Nombre, Correo) VALUES (" & _ci & "," &
            Format(_fechanac, "yyyy-MM-dd HH:mm:ss") & "," & _calle & "," & _esquina &
            "," & _nropuerta & "," & _papellido & "," & _sapellido & "," & _pnombre & "," &
            & _snombre & "," & _correo & ");"
            Try
                _cn.Execute(sql)
            Catch ex As Exception

```



```
        MsgBox(ex.ToString)
        Return (2)
    End Try
    sql3 = "insert into Personal_Medico(CI) VALUES (" & _ci & ");"
    Try
        _cn.Execute(sql3)
    Catch ex As Exception
        Return (4)
    End Try
    sql4 = "insert into Medico(CI_Medico, Especialidad) VALUES (" & _ci
& "," & _especialidad & ");"
    Try
        _cn.Execute(sql4)
    Catch ex As Exception
        Return (4)
    End Try
Else
    sql = "update Medico set Especialidad=" & _especialidad & " where
CI_Medico=" & _ci & ";";
    Try
        _cn.Execute(sql)
    Catch ex As Exception
        MsgBox(ex.ToString)
        Return (5)
    End Try
    sql3 = "update Persona set Fecha_Nac=" & Format(_fechanac,
"yyyy-MM-dd HH:mm:ss") & ", Calle=" & _calle & ", Esquina=" & _esquina & ",
Numero=" & _nropuerta & ", Primer_Apellido=" & _papellido & ",
Segundo_Apellido=" & _sapellido & ", Primer_Nombre=" & _pnombre & ",
Segundo_Nombre=" & _snombre & ", Correo=" & _correo & " where CI=" &
_ci & ";"
```



```
Try
    _cn.Execute(sql3)
Catch ex As Exception
    MsgBox(ex.ToString)
    Return (7)
End Try
End If
End If
Return (retorno)
End Function

Function addusermed(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql3 As String
    Dim sql4 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql3 = "CREATE USER '" & _usuario & "'@'192.168.1.209'
IDENTIFIED BY '" & _contrasena & "';"
            Try
                _cn.Execute(sql3)
            Catch ex As Exception
                MsgBox(ex.ToString)
                Return (5)
            End Try
            sql3 = "GRANT GSAMedicos TO '" & _usuario & "'@'192.168.1.209';"
            Try
```



```

        _cn.Execute(sql3)
    Catch ex As Exception
        Return (5)
    End Try

    sql4 = "insert into Usuario_Rol(Usuario,Rol) VALUES ('" & _usuario &
    "','1'," & _ci & ");"
    Try
        _cn.Execute(sql4)
    Catch ex As Exception
        MsgBox(ex.ToString)
        Return (6)
    End Try
End If
End If
Return (retorno)
End Function

Function adduseraux(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql3 As String
    Dim sql4 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql3 = "CREATE USER '" & _usuario & "'@'192.168.1.209'
IDENTIFIED BY '" & _contrasena & "';"
            Try
                _cn.Execute(sql3)
            Catch ex As Exception

```



```
        Return (5)
    End Try

    sql3 = "GRANT GSAAuxiliares TO '" & _usuario &
"@'192.168.1.209';"

    Try
        _cn.Execute(sql3)
    Catch ex As Exception
        Return (5)
    End Try

    sql4 = "insert into Usuario_Rol(Usuario,Rol) VALUES ('" & _usuario &
", '2', '" & _ci & "');"

    Try
        _cn.Execute(sql4)
    Catch ex As Exception
        Return (6)
    End Try

End If

End If

Return (retorno)

End Function

Function Guardar2(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql As String
    Dim sql3 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
```




```

sql = "insert into Persona
(CI, Fecha_Nac, Calle, Esquina, Numero, Primer_Apellido, Segundo_Apellido, Primer_Nombre, Segundo_Nombre, Correo) VALUES (" & _ci & ", " &
Format(_fechanac, "yyyy-MM-dd HH:mm:ss") & ", " & _calle & ", " & _esquina &
", " & _nropuerta & ", " & _papellido & ", " & _sapellido & ", " & _pnombre & ", "
& _snombre & ", " & _correo & ");"

```

```

Try

```

```

    _cn.Execute(sql)

```

```

Catch ex As Exception

```

```

    MsgBox(ex.ToString)

```

```

    Return (2)

```

```

End Try

```

```

sql3 = "insert into Personal_Medico(CI) VALUES (" & _ci & ");"

```

```

Try

```

```

    _cn.Execute(sql3)

```

```

Catch ex As Exception

```

```

    Return (4)

```

```

End Try

```

```

Else

```

```

    sql3 = "update Persona set Fecha_Nac=" & Format(_fechanac,
"yyyy-MM-dd HH:mm:ss") & ", Calle=" & _calle & ", Esquina=" & _esquina & ",
Numero=" & _nropuerta & ", Primer_Apellido=" & _papellido & ",
Segundo_Apellido=" & _sapellido & ", Primer_Nombre=" & _pnombre & ",
Segundo_Nombre=" & _snombre & ", Correo=" & _correo & " where CI=" &
_ci & ";";

```

```

Try

```

```

    _cn.Execute(sql3)

```

```

Catch ex As Exception

```

```

    MsgBox(ex.ToString)

```

```

    Return (7)

```

```

End Try

```

```

End If

```



```
End If
Return (retorno)
End Function
Function Guardar3(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql3 As String
    Dim sql4 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql3 = "insert into Personal_Medico(CI) VALUES (" & _ci & ");"
            Try
                _cn.Execute(sql3)
            Catch ex As Exception
                Return (4)
            End Try
            sql4 = "insert into Medico(CI_Medico, Especialidad) VALUES (" & _ci
& ", "" & _especialidad & "");"
            Try
                _cn.Execute(sql4)
            Catch ex As Exception
                Return (4)
            End Try
        End If
    End If
    Return (retorno)
End Function
```



```

Function verifici() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select CI_Paciente from Paciente WHERE CI_Paciente=" & _ci &
        ", "
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            MsgBox(ex.ToString)
            Return (2)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
            _ci = rs("CI_Paciente").Value
        End If
        rs.Close()
    End If
    Return (retorno)
End Function

Function pmtelefono() As List(Of String)
    Dim retorno As New List(Of String)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "select Telefono from Persona_Telefono where CI=" & _ci & ";"

```



```
Try
    rs = _cn.Execute(sql)
Catch ex As Exception
    Return (retorno)
End Try
retorno.Clear()
While Not rs.EOF
    retorno.Add(rs(0).Value)
    rs.MoveNext()
End While
rs.Close()
rs = Nothing
Return (retorno)
End Function

Function Guardar4(ByVal alta As Boolean) As Integer
    Dim retorno As Integer = 0
    Dim rs As New ADODB.Recordset
    Dim sql3 As String
    If cn.State = 0 Then
        retorno = 1
    Else
        If alta Then
            sql3 = "insert into Personal_Medico(CI) VALUES (" & _ci & ");"
            Try
                _cn.Execute(sql3)
            Catch ex As Exception
                Return (4)
            End Try
        End If
    End If
End Function
```



```
End If
Return (retorno)
End Function
Function Eliminar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Personal_Medico set EstadoBorradoM= TRUE where CI"
        sql = sql & _ci & ";"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
    End If
    Return (retorno)
End Function
End Class
```



Rutinas

Module Rutinas

```
Public cn As New ADODB.Connection
Public cipub As String
Public Sub doyPermisos(ByVal usuario As String)
    Dim sql As String
    Dim rs As New ADODB.Recordset
    frmPrincipal.menuInformacion.Enabled = False
    frmPrincipal.InformaciónPacienteToolStripMenuItem.Enabled = False
    frmPrincipal.menuFormularios.Enabled = False
    frmPrincipal.FormularioToolStripMenuItem.Enabled = False
    frmPrincipal.menu_Consulta_Formularios.Enabled = False
    frmPrincipal.menuPersonalMedico.Enabled = False
    frmPrincipal.menuEntrevistaInicial.Enabled = False
    frmPrincipal.menuDiagnostico.Enabled = False
    frmPrincipal.menuIngTratamiento.Enabled = False
    frmPrincipal.menuIngAnalisis.Enabled = False
    frmPrincipal.menuConsAnalisis.Enabled = False
    frmPrincipal.menuConsDiagnostico.Enabled = False
    frmPrincipal.DiagnosticosToolStripMenuItem.Enabled = False
    frmPrincipal.TratamientosToolStripMenuItem.Enabled = False
    frmPrincipal.AnalisisClínicosToolStripMenuItem.Enabled = False
    frmPrincipal.EntrevistaToolStripMenuItem.Enabled = False
    If cn.State = 0 Then
        MsgBox("Debe abrir su sesión.")
    Else
        sql = "select Rol from Usuario_Rol where Usuario='" & usuario & "';"
        Try
            rs.Open(sql, cn)
```



```
Catch ex As Exception
    MsgBox("Hubo errores al obtener rol del usuario.")
Exit Sub
End Try

If rs.RecordCount = 0 Then
    MsgBox("El usuario no tiene rol asignado, comuníquese con el adm.
del sistema.")
Else
    Select Case rs(0).Value
        Case 1 'Medico
            'Formularios
            frmPrincipal.menuFormularios.Enabled = True
            'Ingreso datos
            frmPrincipal.FormularioToolStripMenuItem.Enabled = True
            frmPrincipal.menuIngTratamiento.Enabled = True
            frmPrincipal.menuIngAnálisis.Enabled = True
            frmPrincipal.menuEntrevistaInicial.Enabled = True
            frmPrincipal.menuDiagnostico.Enabled = True
            'Consultar info
            frmPrincipal.InformaciónPacienteToolStripMenuItem.Enabled =
True
            frmPrincipal.menu_Consulta_Formularios.Enabled = True
            frmPrincipal.DiagnosticosToolStripMenuItem.Enabled = True
            frmPrincipal.TratamientosToolStripMenuItem.Enabled = True
            frmPrincipal.AnálisisClínicosToolStripMenuItem.Enabled = True
            frmPrincipal.EntrevistaToolStripMenuItem.Enabled = True
        Case 2 'Auxiliar
            'Formularios
            frmPrincipal.menuFormularios.Enabled = True
            'Ingreso datos
```



```
frmPrincipal.FormularioToolStripMenuItem.Enabled = True
```

```
frmPrincipal.menuIngTratamiento.Enabled = True
```

```
frmPrincipal.menuIngAnalisis.Enabled = True
```

```
frmPrincipal.menuEntrevistaInicial.Enabled = True
```

```
frmPrincipal.menuDiagnostico.Enabled = True
```

```
Case 3 'Paciente
```

```
'Consultar diagnostico
```

```
frmPrincipal.menuConsDiagnostico.Enabled = True
```

```
'Consultar analisis
```

```
frmPrincipal.menuConsAnalisis.Enabled = True
```

```
Case 4 'Administrador
```

```
frmPrincipal.menuInformacion.Enabled = True
```

```
frmPrincipal.menuPersonalMedico.Enabled = True
```

```
End Select
```

```
End If
```

```
rs.Close()
```

```
End If
```

```
rs = Nothing
```

```
End Sub
```

```
'Permitir números con espacios
```

```
Public Sub permitirLetrasCE(ByVal e As  
System.Windows.Forms.KeyPressEventArgs)
```

```
If Char.IsLetter(e.KeyChar) Then
```

```
e.Handled = False
```

```
Elseif Char.IsControl(e.KeyChar) Then
```

```
e.Handled = False
```

```
Elseif Char.IsSeparator(e.KeyChar) Then
```

```
e.Handled = False
```

```
Else
```




```
e.Handled = True

    MessageBox.Show("No se permite ingresar números o símbolos.",
"ADVERTENCIA")

End If

End Sub

'Permitir números sin espacios

Public Sub permitirNumerosSE(ByVal e As
System.Windows.Forms.KeyPressEventArgs)

    If Char.IsNumber(e.KeyChar) Then

        e.Handled = False

    ElseIf Char.IsControl(e.KeyChar) Then

        e.Handled = False

    ElseIf Char.IsSeparator(e.KeyChar) Then

        e.Handled = True

        MessageBox.Show("No se permite ingresar espacios.",
"ADVERTENCIA")

    Else

        e.Handled = True

        MessageBox.Show("No se permite ingresar letras.", "ADVERTENCIA")

    End If

End Sub

End Module
```



Tratamientos

Public Class Tratamientos

```
Protected _ci As Integer
Protected _nombre As String
Protected _id As Integer
Protected _fechainicio As Date
Protected _fechafinal As Date
Protected _descripcion As String
Protected _estadoborradop As Integer
Protected _cn As ADODB.Connection
```

'Metodos constructores

Sub New()

```
_ci = 0
_estadoborradop = 0
_nombre = ""
_id = 0
_fechainicio = New Date
_fechafinal = New Date
_descripcion = ""
_cn = New ADODB.Connection
```

End Sub

```
Sub New(ByVal estadoborradop As Integer, ByVal ci As Integer, ByVal
nombre As String, ByVal id As Integer, ByVal fechainicio As Date, ByVal
fechafinal As Date, ByVal descripcion As String, ByVal cn As
ADODB.Connection)
```

```
_ci = ci
_nombre = nombre
_estadoborradop = estadoborradop
_id = id
_fechainicio = fechainicio
```



```
_fechafinal = fechafinal  
_descripcion = descripcion  
_cn = cn
```

End Sub

'Get y set de las propiedades

Property estadoborradop As Integer

Get

Return (_estadoborradop)

End Get

Set(ByVal value As Integer)

_estadoborradop = value

End Set

End Property

Property ci As Integer

Get

Return (_ci)

End Get

Set(ByVal value As Integer)

_ci = value

End Set

End Property

Property nombre As String

Get

Return (_nombre)

End Get

Set(ByVal value As String)

_nombre = value

End Set

End Property



Property id As Integer

Get

Return (_id)

End Get

Set(ByVal value As Integer)

_id = value

End Set

End Property

Property fechainicio As Date

Get

Return (_fechainicio)

End Get

Set(ByVal value As Date)

_fechainicio = value

End Set

End Property

Property fechafinal As Date

Get

Return (_fechafinal)

End Get

Set(ByVal value As Date)

_fechafinal = value

End Set

End Property

Property descripcion As String

Get

Return (_descripcion)

End Get

Set(ByVal value As String)



```
        _descripcion = value
    End Set
End Property
Property cn As ADODB.Connection
    Get
        Return (_cn)
    End Get
    Set(ByVal value As ADODB.Connection)
        _cn = value
    End Set
End Property
Function Buscar() As Integer
    Dim sql As String
    Dim sql2 As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select * from Tratamiento as t JOIN Realiza as r ON
t.ID_Trata=r.ID_Trata where r.ID_Trata=" & _id & " AND r.CI_Paciente=" & _ci
& ";"
        Try
            rs.Open(sql, _cn)
        Catch ex As Exception
            Return (2)
        End Try
        If rs.RecordCount = 0 Then
            retorno = 3
        Else
```



```

    _nombre = rs("Nombre").Value
    _ci = rs("CI_Paciente").Value
    _id = rs("ID_Trata").Value
    _fechainicio = rs("FechaInicio").Value
    _descripcion = rs("Descripcion_Trat").Value
    rs.Close()

    sql2 = "select r.FechaFinal from Tratamiento as t JOIN Realiza as r
ON t.ID_Trata=r.ID_Trata where r.ID_Trata=" & _id & " AND r.CI_Paciente=" &
_ci & ";"

    Try
        rs.Open(sql2, _cn)
    Catch ex As Exception
        Return (2)
    End Try

    If rs.RecordCount = 0 Then
        retorno = 3
    Else
        If rs.EOF And rs.BOF Then
            _fechainicio = "NO ESTABLECIDA"
        Else
            _fechafinal = rs("FechaFinal").Value
        End If
        rs.Close()
    End If
End If

End If

Return (retorno)

End Function

Function Guardar(ByVal alta As Boolean) As Integer

```



```

Dim retorno As Integer = 0
Dim rs As New ADODB.Recordset
Dim sql As String
Dim sql2 As String
Dim sql3 As String
Dim sql4 As String
If cn.State = 0 Then
    retorno = 1
Else
    If alta Then
        sql = "insert into Tratamiento (Nombre,Descripcion_Trat) VALUES (" &
        & _nombre & "," & _descripcion & ");"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
        sql2 = "SELECT MAX(ID_Trata) AS ID_TrataC FROM Tratamiento;"
        Try
            rs.Open(sql2, _cn)
        Catch ex As Exception
            Return (3)
        End Try
        _id = rs("ID_TrataC").Value
        rs.Close()
        sql3 = "insert into
Realiza(FechaInicio,FechaFinal,CI_Paciente,ID_Trata) VALUES (" &
Format(_fechainicio, "yyyy-MM-dd HH:mm:ss") & "," & Format(_fechafinal,
"yyyy-MM-dd HH:mm:ss") & "," & _ci & "," & _id & ");"
        Try

```



```
        _cn.Execute(sql3)
    Catch ex As Exception
        Return (4)
    End Try

    sql4 = "insert into Posee(ID_Estado,CI_Paciente,Fechalnicio_E)
VALUES ('4,'" & _ci & "','" & Format(Now(), "yyyy-MM-dd HH:mm:ss") & "');"
    Try
        _cn.Execute(sql4)
    Catch ex As Exception
        Return (3)
    End Try
Else
    sql = "update Tratamiento set Nombre='" & _nombre & "',
Descripcion_Trat='" & _descripcion & "' where ID_Trata='" & _id & "';"
    Try
        _cn.Execute(sql)
    Catch ex As Exception
        MsgBox(ex.ToString)
        Return (4)
    End Try

    sql2 = "update Realiza set Fechalnicio='" & Format(_fechainicio,
"yyyy-MM-dd HH:mm:ss") & "', FechaFinal='" & Format(_fechafinal, "yyyy-MM-
dd HH:mm:ss") & "' where ID_Trata='" & _id & "';"
    Try
        _cn.Execute(sql2)
    Catch ex As Exception
        MsgBox(ex.ToString)
        Return (4)
    End Try
```




```
End If
End If
Return (retorno)
End Function
Function Eliminar() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Tratamiento set EstadoBorradoT= TRUE where ID_Trata"
        sql = sql & _id & ";"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
    End If
    Return (retorno)
End Function
Function verificaci() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "select pa.CI_Paciente, pa.EstadoBorradoP from Persona as p"
        sql = sql & " JOIN Paciente as pa ON p.CI=pa.CI_Paciente JOIN Realiza as r ON"
```



```
pa.CI_Paciente=r.CI_Paciente JOIN Tratamiento as t ON r.ID_Trata=t.ID_Trata  
where EstadoBorradoT = FALSE AND pa.CI_Paciente=" & _ci & ";"
```

```
Try
```

```
rs.Open(sql, _cn)
```

```
Catch ex As Exception
```

```
MsgBox(ex.ToString)
```

```
Return (4)
```

```
End Try
```

```
If rs.RecordCount = 0 Then
```

```
retorno = 3
```

```
Else
```

```
_ci = rs("CI_Paciente").Value
```

```
_estadoborradoP = rs("EstadoBorradoP").Value
```

```
rs.Close()
```

```
End If
```

```
End If
```

```
Return (retorno)
```

```
End Function
```

```
Function verifyci2() As Integer
```

```
Dim sql As String
```

```
Dim rs As New ADODB.Recordset
```

```
Dim retorno As Integer = 0
```

```
If cn.State = 0 Then
```

```
retorno = 1
```

```
Else
```

```
sql = "select CI_Paciente, EstadoBorradoP from Paciente where  
CI_Paciente=" & _ci & ";"
```

```
Try
```

```
rs.Open(sql, _cn)
```

```
Catch ex As Exception
```



```
Return (4)
End Try
If rs.RecordCount = 0 Then
    retorno = 3
Else
    _ci = rs("CI_Paciente").Value
    _estadoborradoP = rs("EstadoBorradoP").Value
    rs.Close()
End If
End If
Return (retorno)
End Function

Function idtratamiento() As List(Of Integer)
    Dim retorno As New List(Of Integer)
    Dim rs As New ADODB.Recordset
    Dim sql As String
    sql = "SELECT DISTINCT r.ID_Trata FROM Realiza as r JOIN
Tratamiento as t ON r.ID_Trata=t.ID_Trata WHERE t.EstadoBorradoT=FALSE
AND r.CI_Paciente=" & _ci & ";"
    Try
        rs = _cn.Execute(sql)
    Catch ex As Exception
        Return (retorno)
    End Try
    retorno.Clear()
    While Not rs.EOF
        retorno.Add(rs(0).Value)
        rs.MoveNext()
    End While
    rs.Close()
```



```
rs = Nothing
Return (retorno)
End Function
Function estadop() As Integer
    Dim sql As String
    Dim rs As New ADODB.Recordset
    Dim retorno As Integer = 0
    If cn.State = 0 Then
        retorno = 1
    Else
        sql = "update Paciente set EstadoBorradoP= False where CI_Paciente"
        sql = sql & _ci & ";"
        Try
            _cn.Execute(sql)
        Catch ex As Exception
            Return (2)
        End Try
    End If
    Return (retorno)
End Function
End Class
```



Formularios

frmABMFormulario

Public Class frmABMFormulario

Private Sub cmdCrear_Click(sender As Object, e As EventArgs) Handles cmdCrear.Click

Dim f As New Formularios

f.tipo = txtCrearTipoForm.Text

f.cn = cn

Select Case f.Guardar(1)

Case 0

cboTipo.Items.Clear()

f.tipo = txtCrearTipoForm.Text

MsgBox("Formulario creado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

f.cn = cn

Dim lista As List(Of String)

lista = f.tipoform()

For Each Diagnostico In lista

cboTipo.Items.Add(Diagnostico)

Next

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al agregar un formulario. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

f = Nothing

End Sub



Private Sub frmABMFormulario_Leave(sender As Object, e As EventArgs)
Handles Me.Leave

Me.Close()

End Sub

Private Sub frmABMFormulario_Load(sender As Object, e As EventArgs)
Handles MyBase.Load

Dim f As New Formularios

f.cn = cn

cboTipo.Items.Clear()

Dim lista As List(Of String)

lista = f.tipoform()

For Each Diagnostico In lista

cboTipo.Items.Add(Diagnostico)

Next

cboPregunta.Items.Clear()

Dim lista1 As List(Of String)

lista1 = f.preg()

For Each Pregunta In lista1

cboPregunta.Items.Add(Pregunta)

Next

End Sub

Private Sub cboTipo_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cboTipo.SelectedIndexChanged

Dim f As New Formularios

f.tipo = cboTipo.SelectedItem()

f.cn = cn

Dim lista As List(Of Integer)

lista = f.idform()



```
cbolD.Items.Clear()
cbolD.ResetText()
For Each id In lista
    cbolD.Items.Add(id)
Next
cmdEliminarForm.Enabled = True
End Sub
```

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

```
Dim f As New Formularios
f.pregunta = cboPregunta.SelectedItem()
f.idf = cbolD.SelectedItem()
f.cn = cn
Select Case f.Guardar2(1)
    Case 0
        MsgBox("Pregunta ingresada exitosamente.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
    nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    Case Else : MsgBox("Hubo errores al ingresar la pregunta. En caso de
    persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
    GSA")
End Select
f = Nothing
End Sub
```

Private Sub cmdModPregunta_Click(sender As Object, e As EventArgs) Handles cmdModPregunta.Click

```
Dim f As New Formularios
```



```
f.pregunta = cboPregunta.SelectedItem()
f.nuevapregunta = txtNuevaPregunta.Text()
f.idf = cboID.SelectedItem()
f.cn = cn
Select Case f.Guardar2(0)
    Case 0
        cboPregunta.Items.Clear()
        cboPregunta.ResetText()
        f.cn = cn
        Dim lista1 As List(Of String)
        lista1 = f.preg()
        For Each Pregunta In lista1
            cboPregunta.Items.Add(Pregunta)
        Next
        MsgBox("Pregunta modificada con éxito.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")

        Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
        nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

        Case Else : MsgBox("Hubo errores al modificar la pregunta. En caso de
        persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
        GSA")

    End Select
    f = Nothing
End Sub

Private Sub cmdEliminarPregunta_Click(sender As Object, e As EventArgs)
Handles cmdEliminarPregunta.Click

    Dim f As New Formularios
    f.pregunta = cboPregunta.SelectedItem()
    f.nuevapregunta = txtNuevaPregunta.Text()
    f.idf = cboID.SelectedItem()
```




```
f.cn = cn
Select Case f.Eliminar()
    Case 0
        cboPregunta.Items.Clear()
        f.cn = cn
        cboPregunta.ResetText()
        Dim lista1 As List(Of String)
        lista1 = f.preg()
        For Each Pregunta In lista1
            cboPregunta.Items.Add(Pregunta)
        Next
        MsgBox("Pregunta eliminada con éxito.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")

        Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
        nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

        Case Else : MsgBox("Hubo errores al eliminar la pregunta. En caso de
        persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
        GSA")

    End Select
    f = Nothing
End Sub
```

```
Private Sub cmdEliminarForm_Click(sender As Object, e As EventArgs)
Handles cmdEliminarForm.Click

    Dim f As New Formularios
    f.idf = cboID.SelectedItem()
    f.cn = cn
    Select Case f.Eliminar1()
        Case 0
            cboID.Items.Clear()
            f.cn = cn
```



```

cboID.ResetText()
Dim lista As List(Of Integer)
lista = f.idform()
For Each id In lista
    cboID.Items.Add(id)
Next
cboTipo.Items.Clear()
cboTipo.ResetText()
Dim lista1 As List(Of String)
lista1 = f.tipoform()
For Each Diagnostico In lista1
    cboTipo.Items.Add(Diagnostico)
Next

MsgBox("Formulario eliminado con éxito.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al eliminar el formulario. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select
f = Nothing
End Sub

```

```

Private Sub Button1_Click_1(sender As Object, e As EventArgs) Handles
Button1.Click

```

```

    Dim f As New Formularios
    f.pregunta = txtCrearPregunta.Text
    f.cn = cn
    Select Case f.Guardar1(1)
        Case 0

```



```
cboPregunta.Items.Clear()

MsgBox("Pregunta creada éxitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

f.cn = cn

Dim lista1 As List(Of String)

lista1 = f.preg()

For Each Pregunta In lista1

    cboPregunta.Items.Add(Pregunta)

Next

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al crear la pregunta. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

f = Nothing

End Sub

Private Sub cboPregunta_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles cboPregunta.SelectedIndexChanged

    If cboPregunta.SelectedItem Is Nothing Then

        cmdEliminarPregunta.Enabled = False

        cmdModPregunta.Enabled = False

        cmdIngresar.Enabled = False

    Else

        cmdEliminarPregunta.Enabled = True

        cmdModPregunta.Enabled = True

        cmdIngresar.Enabled = True

    End If

End Sub

End Class
```



frmAdmPersonalMedico

Public Class frmAdmPersonalMedico

```
Private Sub txtEdad_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtEdad.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
Private Sub txtBCI_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtCI.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
Private Sub txtPnombre_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtPnombre.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtPapellido_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtPapellido.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtSnombre_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtSnombre.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtSapellido_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtSapellido.KeyPress
```

```
    permitirLetrasCE(e)
```



End Sub

Private Sub rbMedico_CheckedChanged(sender As Object, e As EventArgs) Handles rbMedico.CheckedChanged

lblEspecialidad.Visible = True

txtEspecialidad.Visible = True

End Sub

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles cmdBuscar.Click

Dim m As New PersonalMedico

m.ci = Val(txtCI.Text)

m.telefono = cbTelefono.Text

m.cn = cn

Select Case m.verifici()

Case 0

Select Case m.Buscar()

Case 0 'Encontré

If m.estadoborrado = 1 Then

If MsgBox("El médico o auxiliar se dió de baja, ¿Desaea darle de alta?", MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case m.estado()

Case 0

MsgBox("El médico o auxiliar se dio de alta exitosamente.", MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else



MsgBox("Hubo errores al efectuar el alta del médico o auxiliar. En caso de persistir, consulte al adm. del sistema.",
MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

End If

Else

txtPnombre.Text = m.pnombre

txtSnombre.Text = m.snombre

txtPapellido.Text = m.papellido

txtSapellido.Text = m.sapellido

dtpFechaNac.Text = m.fechanac

txtEdad.Text = m.edad

txtCalle.Text = m.calle

txtTelefono.Text = m.telefono

txtNpuerta.Text = m.nropuerta

txtEsquina.Text = m.esquina

txtEspecialidad.Text = m.especialidad

gbBuscar.Enabled = False

gbDatos.Visible = True

cmdIngresar.Enabled = False

cmdModificar.Enabled = True

cmdEliminar.Enabled = True

Dim lista2 As List(Of String)

lista2 = m.pmtelefono()

For Each Telefono In lista2

 cbTelefono.Items.Add(Telefono)

Next

gbTelefono.Visible = True

If m.especialidad.Equals("-") Then



```
        rbAuxiliarMedico.Checked = True
        rbMedico.Checked = False
        txtEspecialidad.Visible = False
        txtEspecialidad.Clear()
    Else
        rbAuxiliarMedico.Checked = False
        rbMedico.Checked = True
        txtEspecialidad.Visible = True
    End If
End If

Case 3 'No encontré
    MsgBox("Este paciente ya tiene los datos necesarios
    ingresados, para ingresar como personal médico solamente hace falta ingresar
    los siguientes datos.", MessageBoxButtons.Information, "S.I.BI.M - GSA")

    frmUsuario.Show()
    frmUsuario.cmdIngresar.Visible = True
    frmMedico.Enabled = False
    frmMedico.Show()

    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
    nuevamente.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

    Case Else : MsgBox("Hubo errores al buscar el médico o paciente.
    En caso de persistir, consulte al adm. del sistema.", MessageBoxButtons.Error,
    "S.I.BI.M - GSA")

End Select

Case 3 'Encontré
    Select Case m.Buscar
        Case 0 'Encontré
            If m.estadoborrado = 1 Then
                If MsgBox("El médico o auxiliar se dió de baja, ¿Desea darle
                de alta?", MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then
                    Select Case m.estado()
```



Case 0

MsgBox("El médico o auxiliar se dio de alta
éxitosamente.", MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al efectuar el alta del médico o
auxiliar. En caso de persistir, consulte al adm. del sistema.",
MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

End If

Else

txtPnombre.Text = m.pnombre
txtSnombre.Text = m.snombre
txtPapellido.Text = m.papellido
txtSapellido.Text = m.sapellido
dtpFechaNac.Text = m.fechanac
txtEdad.Text = m.edad
txtCalle.Text = m.calle
txtTelefono.Text = m.telefono
txtNpuerta.Text = m.nropuerta
txtEsquina.Text = m.esquina
txtEspecialidad.Text = m.especialidad
gbBuscar.Enabled = False
gbDatos.Visible = True
cmdIngresar.Enabled = False
cmdModificar.Enabled = True
cmdEliminar.Enabled = True
Dim lista2 As List(Of String)



```
lista2 = m.pmtelefono()
For Each Telefono In lista2
    cbTelefono.Items.Add(Telefono)
Next
gbTelefono.Visible = True
If m.especialidad.Equals("-") Then
    rbAuxiliarMedico.Checked = True
    rbMedico.Checked = False
    txtEspecialidad.Visible = False
    txtEspecialidad.Clear()
Else
    rbAuxiliarMedico.Checked = False
    rbMedico.Checked = True
    txtEspecialidad.Visible = True
End If
End If
Case 3
    If MsgBox("El médico o axuiliar médico no se encontró,
¿Desaea ingresarlo?", MsgBoxStyle.YesNo, "S.I.BI.M - GSA") =
MsgBoxResult.Yes Then
        frmUsuario.Show()
        frmUsuario.cmdIngresarM.Visible = True
        frmUsuario.gbRadio.Visible = True
        Me.Enabled = False
        gbTelefono.Visible = False
        gbBuscar.Enabled = False
        gbDatos.Visible = True
        cmdIngresar.Enabled = True
        cmdEliminar.Enabled = False
        cmdModificar.Enabled = False
```



End If

End Select

Case Else : MsgBox("Hubo errores al buscar el médico o paciente. En caso de persistir, consulte al adm. del sistema.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

End Select

m = Nothing

End Sub

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

Dim m As New PersonalMedico

m.ci = Val(txtCI.Text)

m.pnombre = txtPnombre.Text

m.snombre = txtSnombre.Text

m.papellido = txtPapellido.Text

m.sapellido = txtSapellido.Text

m.fechanac = dtpFechaNac.Text

m.calle = txtCalle.Text

m.nropuerta = txtNpuerta.Text

m.esquina = txtEsquina.Text

m.correo = txtTelefono.Text

m.especialidad = txtEspecialidad.Text

m.cn = cn

If rbAuxiliarMedico.Checked = False And rbMedico.Checked = False Then

MsgBox("Debe seleccionar el tipo de personal. (Médico o Auxiliar)", MessageBoxButtons.Warning, "S.I.BI.M - GSA")

Else

If rbMedico.Checked = True Then

Select Case m.Guardar1(1)



Case 0

MsgBox("Se ha ingresado exitosamente al médico.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

frmTelefono.Show()

frmTelefono.cmdAgregar2.Visible = True

frmTelefono.cmdQuitar2.Visible = True

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.")

Case Else : MsgBox("Hubo errores al ingresar el médico. En caso de persistir, consulte al adm. del sistema.")

End Select

Elseif rbAuxiliarMedico.Checked = True Then

Select Case m.Guardar2(1)

Case 0

MsgBox("Se ha ingresado exitosamente al auxiliar médico.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al ingresar el auxiliar médico. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

End If

End If

m = Nothing

End Sub

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles cmdCancelar.Click

txtPnombre.Clear()

txtSnombre.Clear()

txtPapellido.Clear()



```
txtSapellido.Clear()
dtpFechaNac.ResetText()
txtEdad.Clear()
txtCalle.Clear()
txtTelefono.Clear()
txtNpuerta.Clear()
txtEsquina.Clear()
cbTelefono.ResetText()
cbTelefono.Items.Clear()
txtEspecialidad.Clear()
rbAuxiliarMedico.Checked = False
rbMedico.Checked = False
gbBuscar.Enabled = True
gbDatos.Visible = False
End Sub
```

Private Sub cmdEliminar_Click(sender As Object, e As EventArgs) Handles cmdEliminar.Click

```
Dim m As New PersonalMedico
m.ci = Val(txtCI.Text)
m.cn = cn
Select Case m.Eliminar()
Case 0
    MsgBox("Médico o auxiliar eliminado exitosamente.",
    MessageBoxIcon.Information, "S.I.BI.M - GSA")
    txtPnombre.Clear()
    txtSnombre.Clear()
    txtPapellido.Clear()
    txtSapellido.Clear()
    dtpFechaNac.ResetText()
```



```
txtEdad.Clear()  
txtCalle.Clear()  
txtTelefono.Clear()  
txtNpuerta.Clear()  
txtEsquina.Clear()  
cbTelefono.ResetText()  
cbTelefono.Items.Clear()  
txtEspecialidad.Clear()  
rbAuxiliarMedico.Checked = False  
rbMedico.Checked = False  
gbBuscar.Enabled = True  
gbDatos.Visible = False
```

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al eliminar el médico o auxiliar. En caso de persistir, consulte al adm. del sistema.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

End Select

m = Nothing

End Sub

Private Sub cmdModificar_Click(sender As Object, e As EventArgs) Handles cmdModificar.Click

```
Dim m As New PersonalMedico  
m.ci = Val(txtCI.Text)  
m.pnombre = txtPnombre.Text  
m.snombre = txtSnombre.Text  
m.papellido = txtPapellido.Text  
m.sapellido = txtSapellido.Text  
m.fechanac = dtpFechaNac.Text
```



```
m.calle = txtCalle.Text
m.telefono = txtTelefono.Text
m.nropuerta = txtNpuerta.Text
m.esquina = txtEsquina.Text
m.especialidad = txtEspecialidad.Text
m.cn = cn

If rbAuxiliarMedico.Checked = False And rbMedico.Checked = False Then
    MsgBox("Debe seleccionar el tipo de personal. (Médico o Auxiliar)",
    MessageBoxIcon.Warning, "S.I.BI.M - GSA")
Else
    If rbMedico.Checked = True Then
        Select Case m.Guardar1(0)
            Case 0
                MsgBox("Médico modificado con éxito.",
                MessageBoxIcon.Information, "S.I.BI.M - GSA")

                Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
                nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

                Case Else : MsgBox("Hubo errores al efectuar la modificación del
                médico. En caso de persistir, consulte al adm. del sistema.",
                MessageBoxIcon.Error, "S.I.BI.M - GSA")

            End Select

        ElseIf rbAuxiliarMedico.Checked = True Then
            Select Case m.Guardar2(0)
                Case 0
                    MsgBox("Auxiliar modificado con éxito.",
                    MessageBoxIcon.Information, "S.I.BI.M - GSA")

                    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
                    nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

                    Case Else : MsgBox("Hubo errores al efectuar la modificación del
                    auxiliar. En caso de persistir, consulte al adm. del sistema.",
                    MessageBoxIcon.Error, "S.I.BI.M - GSA")

                End Select
```



```
End If
End If
m = Nothing
End Sub
```

```
Private Sub rbAuxiliarMedico_CheckedChanged(sender As Object, e As
EventArgs) Handles rbAuxiliarMedico.CheckedChanged
```

```
    lblEspecialidad.Visible = False
    txtEspecialidad.Visible = False
    txtEspecialidad.Clear()
End Sub
```

```
Private Sub frmAdmPersonalMedico_Leave(sender As Object, e As
EventArgs) Handles Me.Leave
```

```
    Me.Close()
End Sub
```

```
Private Sub frmAdmPersonalMedico_Load(sender As Object, e As
EventArgs) Handles MyBase.Load
```

```
    dtpFechaNac.Format = DateTimePickerFormat.Custom
    dtpFechaNac.CustomFormat = "yyyy/MM/dd HH:mm:ss"
End Sub
```

```
Private Sub dtpFechaNac_ValueChanged(sender As Object, e As
EventArgs) Handles dtpFechaNac.ValueChanged
```

```
    Dim Anios As Integer
    Dim Meses As Integer
    Dim Dias As Integer
    Dim FechaCalculo As Date
    FechaCalculo = dtpFechaNac.Value
```



```
If dtpFechaNac.Value > Now Then
    MsgBox("Error, no se permite ingresar una fecha mayor a la fecha
    actual.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
    dtpFechaNac.ResetText()
End If

Do While DateAdd("YYYY", 1, FechaCalculo) <= Now
    Anios = Anios + 1
    FechaCalculo = DateAdd("YYYY", 1, FechaCalculo)
Loop

Do While DateAdd("m", 1, FechaCalculo) <= Now
    Meses = Meses + 1
    FechaCalculo = DateAdd("m", 1, FechaCalculo)
Loop

Do While DateAdd("d", 1, FechaCalculo) <= Now
    Dias = Dias + 1
    FechaCalculo = DateAdd("d", 1, FechaCalculo)
Loop

Dim Edad As String = Anios & " años, " & Meses & " meses y " & Dias & "
días"

txtEdad.Text = Edad

End Sub

Private Sub cmdAgregar_Click(sender As Object, e As EventArgs) Handles
cmdAgregar.Click

    Dim p As New Pacientes
```




```
p.ci = Val(txtCI.Text)
p.telefono = cbTelefono.Text
p.cn = cn
Select Case p.GuardarT(1)
    Case 0
        MsgBox("Teléfono ingresado exitosamente.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
        cbTelefono.Items.Clear()
        Dim lista2 As List(Of String)
        lista2 = p.patelefono()
        For Each Telefono In lista2
            cbTelefono.Items.Add(Telefono)
        Next
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    Case Else : MsgBox("Hubo errores al ingresar el teléfono. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")
End Select
p = Nothing
End Sub
```

```
Private Sub cmdQuitar_Click(sender As Object, e As EventArgs) Handles
cmdQuitar.Click
```

```
    Dim p As New Pacientes
    p.ci = Val(txtCI.Text)
    p.telefono = cbTelefono.Text
    p.cn = cn
    Select Case p.EliminarT(1)
        Case 0
```



```
MsgBox("Teléfono eliminado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

cbTelefono.Items.Clear()

Dim lista2 As List(Of String)

lista2 = p.patelefono()

For Each Telefono In lista2
    cbTelefono.Items.Add(Telefono)
Next

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al eliminar el teléfono. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

p = Nothing

End Sub

Private Sub cbTelefono_KeyPress(sender As Object, e As
KeyPressEventArgs) Handles cbTelefono.KeyPress
    permitirNumerosSE(e)

End Sub

End Class
```



frmAnálisisClinico

Public Class frmAnálisisClinico

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

Dim a As New Analisis

a.ci = Val(txtBCI.Text)

a.resultado = txtResultado.Text

a.tipo = txtTipo.Text

a.fecha = dtpFecha.Value

a.cn = cn

Select Case a.Guardar(1)

Case 0

MsgBox("Análisis ingresado con éxito.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al ingresar el análisis. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

a = Nothing

End Sub

Private Sub frmAnálisisClinico_Leave(sender As Object, e As EventArgs)
Handles Me.Leave

Me.Close()

End Sub

Private Sub frmAnálisisClinico_Load(sender As Object, e As EventArgs)
Handles MyBase.Load

dtpFecha.Format = DateTimePickerFormat.Custom



```
dtpFecha.CustomFormat = "yyyy/MM/dd HH:mm:ss"
```

```
End Sub
```

```
Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles  
cmdBuscar.Click
```

```
Dim a As New Analisis
```

```
a.ci = Val(txtBCI.Text)
```

```
a.cn = cn
```

```
Select Case a.verifyci2()
```

```
Case 0 'Encontré
```

```
If a.estadoborrado = 1 Then
```

```
If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",  
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then
```

```
Select Case a.estadop()
```

```
Case 0
```

```
MsgBox("Paciente dado de alta éxitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
Case 1
```

```
MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
Case Else
```

```
MsgBox("Hubo errores al realizar el alta del paciente. En  
caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error,  
"S.I.BI.M - GSA")
```

```
End Select
```

```
End If
```

```
Else
```

```
Select Case a.comprobarFecha()
```

```
Case 0
```

```
If MsgBox("¿Desea ingresar los datos de un análisis clínico  
perteneciente a un paciente con C.I " & (txtBCI.Text) & "?",  
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then
```



```
        gbBuscar.Enabled = False
        gbDatos.Enabled = True
        gbDatos.Visible = True
    End If
    Case Else
        MsgBox("El paciente no tiene consultas con un médico, para
        ingresar un análisis clínico es necesario previamente que se atienda con un
        médico.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
    End Select
End If
Case 3 'No encontré
    MsgBox("El paciente no existe, asegurese de que ingreso
    correctamente la CI.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
    txtTipo.Clear()
    txtResultado.Clear()
    txtTipo.Clear()
    Case Else
        MsgBox("Hubo errores al buscar el paciente. En caso de persistir,
        consulte al adm. del sistema.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
    End Select
    a = Nothing
End Sub
```

```
Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles
cmdCancelar.Click
```

```
    txtBCI.Clear()
    dtpFecha.ResetText()
    txtResultado.Clear()
    txtTipo.Clear()
    gbBuscar.Enabled = True
    gbDatos.Visible = False
```



End Sub

```
Private Sub txtBCI_KeyPress(sender As Object, e As KeyPressEventArgs)  
Handles txtBCI.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
Private Sub dtpFecha_ValueChanged(sender As Object, e As EventArgs)  
Handles dtpFecha.ValueChanged
```

```
    If dtpFecha.Value > Now Then
```

```
        MsgBox("Error, no se permite ingresar una fecha mayor a la fecha  
actual.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
```

```
        dtpFecha.ResetText()
```

```
    End If
```

```
End Sub
```

```
End Class
```



frmBMA AnalisisClinico

Public Class frmBMA AnalisisClinico

Private Sub cboID_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cboID.SelectedIndexChanged

Dim a As New Analisis

a.ci = Val(txtCI.Text)

a.tipo = Val(txtTipo.Text)

a.resultado = txtResultado.Text

a.fecha = dtpFecha.Value

a.id = cboID.SelectedItem()

a.cn = cn

Select Case a.Buscar()

Case 0 'Encontré

txtCI.Text = a.ci

txtTipo.Text = a.tipo

dtpFecha.Value = a.fecha

txtResultado.Text = a.resultado

cmdEliminar.Enabled = True

cmdModificar.Enabled = True

Case 3 'No encontré

txtCI.Clear()

txtResultado.Clear()

txtTipo.Clear()

Case Else : MsgBox("Hubo errores al buscar el análisis clínico. En caso de persistir, consulte al adm. del sistema.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

End Select



a = Nothing

End Sub

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs)
Handles cmdBuscar.Click

Dim a As New Analisis

a.ci = Val(txtCI.Text)

a.cn = cn

Dim lista As List(Of Integer)

lista = a.idanalisis()

Select Case a.verifyci()

Case 0 'Encontré

If a.estadoborradop = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle
de alta?", MsgBoxStyle.YesNo, "S.I.BI.M - GSA") =
MsgBoxResult.Yes Then

Select Case a.estadop()

Case 0

MsgBox("El alta del paciente se realizó
éxitosamente.", MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe
loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al realizar el alta del
paciente. En caso de persistir, consulte al adm. del sistema.",
MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select



```
End If
Else
    For Each ida In lista
        cboID.Items.Add(ida)
    Next
    gbBuscar.Enabled = False
    gbDatos.Enabled = True
    gbDatos.Visible = True
End If

Case 3 'No encontré
    MsgBox("El paciente no existe, o no tiene análisis clínicos
    existentes,asegurese de que ingreso correctamente la CI.",
    MessageBoxIcon.Error, "S.I.BI.M - GSA")
    cboID.Items.Clear()
    txtCI.Clear()
    txtResultado.Clear()
    txtTipo.Clear()

    Case Else : MsgBox("Hubo errores al encontrar al paciente.
    En caso de persistir, consulte al adm. del sistema.",
    MessageBoxIcon.Error, "S.I.BI.M - GSA")

    End Select
    a = Nothing
End Sub

Private Sub cmdModificar_Click(sender As Object, e As
EventArgs) Handles cmdModificar.Click
    Dim a As New Analisis
    a.id = cboID.SelectedItem()
```



```
a.fecha = dtpFecha.Text  
a.resultado = txtResultado.Text  
a.tipo = txtTipo.Text  
a.cn = cn
```

```
Select Case a.Guardar(0)
```

```
Case 0
```

```
MsgBox("Análisis clínico modificado con éxito.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
Case Else : MsgBox("Hubo errores al realizar la  
modificación. En caso de persistir, consulte al adm. del sistema.",  
MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
End Select
```

```
a = Nothing
```

```
End Sub
```

```
Private Sub cmdCancelar_Click_1(sender As Object, e As  
EventArgs) Handles cmdCancelar.Click
```

```
cbolD.Items.Clear()  
cbolD.ResetText()  
txtCl.Clear()  
txtTipo.Clear()  
dtpFecha.ResetText()  
txtResultado.Clear()  
cmdEliminar.Enabled = False  
cmdModificar.Enabled = False  
gbBuscar.Enabled = True
```



gbDatos.Visible = False

End Sub

Private Sub cmdEliminar_Click(sender As Object, e As EventArgs) Handles cmdEliminar.Click

Dim a As New Analisis

a.id = Val(cboID.SelectedItem)

a.ci = Val(txtCI.Text)

a.cn = cn

Select Case a.Eliminar()

Case 0

cboID.Items.Clear()

cboID.ResetText()

txtTipo.Clear()

dtpFecha.ResetText()

txtResultado.Clear()

Dim lista As List(Of Integer)

lista = a.idanalisis()

For Each ida In lista

cboID.Items.Add(ida)

Next

MsgBox("Análisis clínico eliminado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al eliminar el análisis
clínico. En caso de persistir, consulte al adm. del sistema.",
MessageBoxIcon.Error, "S.I.BI.M - GSA")



End Select

a = Nothing

End Sub

Private Sub frmBMA AnalisisClinico_Leave(sender As Object, e As EventArgs) Handles Me.Leave

Me.Close()

End Sub

Private Sub frmBMA AnalisisClinico_Load(sender As Object, e As EventArgs) Handles MyBase.Load

ntpFecha.Format = DateTimePickerFormat.Custom

ntpFecha.CustomFormat = "yyyy/MM/dd HH:mm:ss"

End Sub

Private Sub txtCI_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtCI.KeyPress

permitirNumerosSE(e)

End Sub

Private Sub ntpFecha_ValueChanged(sender As Object, e As EventArgs) Handles ntpFecha.ValueChanged

If ntpFecha.Value > Now Then

MsgBox("Error, no se permite ingresar una fecha mayor a la fecha actual.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

ntpFecha.ResetText()

End If

End Sub

End Class



FrmBMDiagnostico

Public Class frmBMDiagnostico

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles cmdBuscar.Click

Dim d As New Diagnosticos

d.ci = Val(txtCI.Text)

d.cn = cn

Dim lista As List(Of Integer)

lista = d.iddiag()

Select Case d.verifyci()

Case 0 'Encontré

If d.estadoborrado = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case d.estadop()

Case 0

MsgBox("El alta del paciente se realizó exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al realizar el alta del paciente. En
caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error,
"S.I.BI.M - GSA")

End Select

End If

Else

For Each ida In lista

cbolD.Items.Add(ida)



```
        Next
        gbBuscar.Enabled = False
        gbDatos.Enabled = True
        gbDatos.Visible = True
    End If

    Case 3 'No encontré

        MsgBox("El paciente no existe, o no titene diagnosticos
existentes,asegurese de que ingreso correctamente la Cl.",
MessageBoxIcon.Error, "S.I.BI.M - GSA")

        cboID.Items.Clear()
        txtCl.Clear()
        txtDescripcion.Clear()
        cboTipo.Items.Clear()

    End Select

    d = Nothing

End Sub

Private Sub cmdModificar_Click(sender As Object, e As EventArgs) Handles
cmdModificar.Click

    Dim d As New Diagnosticos
    d.ci = Val(txtCl.Text)
    d.id = Val(cboID.Text)
    d.fecha = dtpFecha.Text
    d.tipo = cboTipo.SelectedItem()
    d.descripcion = txtDescripcion.Text
    d.cn = cn

    Select Case d.Guardar(0)

        Case 0

            MsgBox("Diagnóstico modificado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```



Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al modificar el diagnóstico. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

d = Nothing

End Sub

Private Sub frmBMDiagnostico_Leave(sender As Object, e As EventArgs)
Handles Me.Leave

Me.Close()

End Sub

Private Sub frmBMDiagnostico_Load(sender As Object, e As EventArgs)
Handles MyBase.Load

dtpFecha.Format = DateTimePickerFormat.Custom

dtpFecha.CustomFormat = "yyyy/MM/dd HH:mm:ss"

Dim d As New Diagnosticos

d.cn = cn

Dim lista As List(Of String)

lista = d.tipodiag()

For Each Diagnostico In lista

cboTipo.Items.Add(Diagnostico)

Next

End Sub

Private Sub cboID_SelectedIndexChanged_1(sender As Object, e As EventArgs) Handles cboID.SelectedIndexChanged

Dim d As New Diagnosticos

d.ci = Val(txtCI.Text)



```
d.id = Val(cboID.Text)
d.cn = cn
Select Case d.Buscar()
    Case 0 'Encontré
        txtCI.Text = d.ci
        cboTipo.SelectedItem = d.tipo
        cboTipo.Text = d.nombreD
        dtpFecha.Value = d.fecha
        txtDescripcion.Text = d.descripcion
        cmdEliminar.Enabled = True
        cmdModificar.Enabled = True
```

```
    Case 3 'No encontré
        txtCI.Clear()
        cboID.ResetText()
        txtDescripcion.Clear()
```

```
    Case Else : MsgBox("Hubo errores al buscar el diagnóstico. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")
```

```
End Select
```

```
d = Nothing
```

```
End Sub
```

```
Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles
cmdCancelar.Click
```

```
    cboID.Items.Clear()
    cboID.ResetText()
    cboTipo.ResetText()
    txtCI.Clear()
    dtpFecha.ResetText()
    txtDescripcion.Clear()
```




```
cmdEliminar.Enabled = False  
cmdModificar.Enabled = False  
gbBuscar.Enabled = True  
gbDatos.Visible = False
```

```
End Sub
```

```
Private Sub cmdEliminar_Click(sender As Object, e As EventArgs) Handles  
cmdEliminar.Click
```

```
Dim d As New Diagnosticos  
d.id = Val(cboID.SelectedItem)  
d.ci = Val(txtCI.Text)  
d.cn = cn  
Select Case d.Eliminar()
```

```
Case 0
```

```
cboID.Items.Clear()  
cboID.ResetText()  
cboTipo.ResetText()  
txtDescripcion.Clear()  
dtpFecha.ResetText()  
Dim lista As List(Of Integer)  
lista = d.iddiag()  
For Each ida In lista  
cboID.Items.Add(ida)
```

```
Next
```

```
MsgBox("Diagnóstico eliminado exitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
Case Else : MsgBox("Hubo errores al eliminar el diagnóstico. En caso  
de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")
```



End Select

d = Nothing

End Sub

Private Sub txtCI_KeyPress(sender As Object, e As KeyPressEventArgs)
Handles txtCI.KeyPress

 permitirNumerosSE(e)

End Sub

Private Sub dtpFecha_ValueChanged(sender As Object, e As EventArgs)
Handles dtpFecha.ValueChanged

 If dtpFecha.Value > Now Then

 MsgBox("Error, no se permite ingresar una fecha mayor a la fecha
actual.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

 dtpFecha.ResetText()

 End If

End Sub

End Class



frmBMTratamiento

Public Class frmBMTratamiento

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles cmdBuscar.Click

Dim t As New Tratamientos

t.ci = Val(txtCI.Text)

t.cn = cn

Dim lista As List(Of Integer)

lista = t.idtratamiento()

Select Case t.verifyci()

Case 0 'Encontré

If t.estadoborradop = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case t.estadop()

Case 0

MsgBox("El alta del paciente se realizó exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al realizar el alta. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

End If

Else

For Each ida In lista

cbolD.Items.Add(ida)



```
Next
gbBuscar.Enabled = False
gbDatos.Enabled = True
gbDatos.Visible = True
End If

Case 3 'No encontré
    MsgBox("El paciente no existe, o no tiene tratamientos
    existentes, asegurese de que ingreso correctamente la CI.",
    MessageBoxIcon.Error, "S.I.BI.M - GSA")
    txtCI.Clear()
    txtDescripcion.Clear()
    txtNombre.Clear()
    dtpFinal.ResetText()
    dtpInicio.ResetText()
End Select
t = Nothing
End Sub

Private Sub cboID_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles cboID.SelectedIndexChanged
    Dim t As New Tratamientos
    t.ci = Val(txtCI.Text)
    t.descripcion = txtDescripcion.Text
    t.nombre = txtNombre.Text
    t.fechafinal = dtpFinal.Value
    t.fechainicio = dtpInicio.Value
    t.id = cboID.SelectedItem()
    t.cn = cn
    Select Case t.Buscar()
        Case 0 'Encontré
```



```
txtCI.Text = t.ci  
txtNombre.Text = t.nombre  
txtDescripcion.Text = t.descripcion  
dtpFinal.Value = t.fechafinal  
dtpInicio.Value = t.fechainicio  
cmdEliminar.Enabled = True  
cmdModificar.Enabled = True
```

Case 3 'No encontré

```
txtCI.Clear()  
txtNombre.Clear()  
txtDescripcion.Clear()  
dtpFinal.ResetText()  
dtpInicio.ResetText()
```

End Select

t = Nothing

End Sub

Private Sub cmdEliminar_Click(sender As Object, e As EventArgs) Handles
cmdEliminar.Click

```
Dim t As New Tratamientos  
t.id = Val(cboID.SelectedItem)  
t.ci = Val(txtCI.Text)  
t.cn = cn  
Select Case t.Eliminar()  
Case 0  
cboID.Items.Clear()  
cboID.ResetText()  
txtNombre.Clear()  
txtDescripcion.Clear()
```



```
dtpFinal.ResetText()
dtpInicio.ResetText()
Dim lista As List(Of Integer)
lista = t.idtratamiento()
For Each ida In lista
    cboID.Items.Add(ida)
Next

MsgBox("Tratamiento eliminado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al eliminar el tratamiento. En caso
de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

t = Nothing

End Sub

Private Sub cmdModificar_Click(sender As Object, e As EventArgs) Handles
cmdModificar.Click

    Dim t As New Tratamientos
    t.id = cboID.SelectedItem()
    t.descripcion = txtDescripcion.Text
    t.nombre = txtNombre.Text
    t.fechafinal = dtpFinal.Value
    t.fechainicio = dtpInicio.Value
    t.cn = cn

    Select Case t.Guardar(0)

        Case 0

            MsgBox("Tratamiento modificado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```



Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al modificar el tratamiento. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

t = Nothing

End Sub

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles cmdCancelar.Click

cbolD.Items.Clear()

cbolD.ResetText()

txtCl.Clear()

txtNombre.Clear()

txtDescripcion.Clear()

dtpFinal.ResetText()

dtpInicio.ResetText()

cmdEliminar.Enabled = False

cmdModificar.Enabled = False

gbBuscar.Enabled = True

gbDatos.Visible = False

End Sub

Private Sub frmBMTratamiento_Leave(sender As Object, e As EventArgs) Handles Me.Leave

Me.Close()

End Sub

Private Sub frmBMTratamiento_Load(sender As Object, e As EventArgs) Handles MyBase.Load



```
dtplFinal.Format = DateTimePickerFormat.Custom  
dtplFinal.CustomFormat = "yyyy/MM/dd HH:mm:ss"  
dtplInicio.Format = DateTimePickerFormat.Custom  
dtplInicio.CustomFormat = "yyyy/MM/dd HH:mm:ss"
```

```
End Sub
```

```
Private Sub txtCI_KeyPress(sender As Object, e As KeyPressEventArgs)  
Handles txtCI.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
Private Sub dtplInicio_ValueChanged(sender As Object, e As EventArgs)  
Handles dtplInicio.ValueChanged
```

```
    If dtplInicio.Value > Now Then
```

```
        MsgBox("Error, no se permite ingresar una fecha mayor a la fecha  
actual.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
        dtplInicio.ResetText()
```

```
    End If
```

```
End Sub
```

```
Private Sub dtplFinal_ValueChanged(sender As Object, e As EventArgs)  
Handles dtplFinal.ValueChanged
```

```
    If dtplFinal.Value < dtplInicio.Value Then
```

```
        MsgBox("Error, no se permite ingresar una fecha final que sea menor a  
la fecha inicial.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
        dtplFinal.ResetText()
```

```
    End If
```

```
    If dtplFinal.Value = ("31/12/9998") Then
```

```
        cbFechaFinal.Checked = True
```

```
    Else
```

```
        cbFechaFinal.Checked = False
```




End If

End Sub

Private Sub cbFechaFinal_CheckedChanged(sender As Object, e As EventArgs) Handles cbFechaFinal.CheckedChanged

 If cbFechaFinal.Checked = True Then

 dtpFinal.Value = "9998-12-31 00:00:00"

 dtpFinal.Enabled = False

 dtpFinal.Visible = False

 txtNula.Visible = True

 Else

 txtNula.Visible = False

 dtpFinal.ResetText()

 dtpFinal.Visible = True

 dtpFinal.Enabled = True

 End If

End Sub

End Class



frmConsultaAnálisis

Public Class frmConsultaAnálisis

Private Sub txtCI_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtCI.KeyPress

 permitirNumerosSE(e)

End Sub

Private Sub frmConsultaAnálisis_Leave(sender As Object, e As EventArgs) Handles Me.Leave

 Me.Close()

End Sub

Private Sub frmConsultaAnálisis_Load(sender As Object, e As EventArgs) Handles MyBase.Load

 dtpFecha.Format = DateTimePickerFormat.Custom

 dtpFecha.CustomFormat = "yyyy/MM/dd HH:mm:ss"

End Sub

Private Sub cboID_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cboID.SelectedIndexChanged

 Dim a As New Analisis

 a.ci = Val(txtCI.Text)

 a.tipo = txtTipo.Text

 a.resultado = txtResultado.Text

 a.fecha = dtpFecha.Value

 a.id = cboID.SelectedItem()

 a.cn = cn

 Select Case a.Buscar()

 Case 0 'Encontré



```
txtCl.Text = a.ci  
txtTipo.Text = a.tipo  
dtpFecha.Value = a.fecha  
txtResultado.Text = a.resultado
```

Case 3 'No encontré

```
txtCl.Clear()  
txtResultado.Clear()  
txtTipo.Clear()
```

End Select

a = Nothing

End Sub

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles cmdBuscar.Click

```
Dim a As New Analisis  
a.ci = Val(txtCl.Text)  
a.cn = cn  
Dim lista As List(Of Integer)  
lista = a.idanalisis()  
Select Case a.verifyci()
```

Case 0 'Encontré

```
If a.estadoborrado = 1 Then
```

MsgBox("No puede consultar la siguiente información debido a que usted está dado de baja, para que se realice el alta de vuelta debe de contactar con la institución médica.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

Else

```
Select Case a.getci()
```

Case 0

```
If a.ci = Val(txtCl.Text) Then
```

```
For Each ida In lista
```



```
        cboID.Items.Add(ida)
    Next
    gbBuscar.Enabled = False
    gbDatos.Enabled = True
    gbDatos.Visible = True
Else
    MsgBox("Solo puedes buscar registros de tu propiedad, por
favor ingresa tu Cl.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
End If

Case Else : MsgBox("Solo puedes buscar registros de tu
propiedad, por favor ingresa tu Cl.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
End Select
End If

Case 3 'No encontré
    MsgBox("El paciente no existe, o no tiene analisis clínicos
existentes,asegurese de que ingreso correctamente la Cl.",
MessageBoxIcon.Error, "S.I.BI.M - GSA")

    cboID.Items.Clear()
    txtCl.Clear()
    txtResultado.Clear()
    txtTipo.Clear()

Case Else
    MsgBox("Hubo error al efectuar la busqueda. En caso de persistir,
consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
End Select
a = Nothing
End Sub

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles
cmdCancelar.Click
    cboID.Items.Clear()
```



```
cbolD.ResetText()  
txtCl.Clear()  
txtTipo.Clear()  
dtpFecha.ResetText()  
txtResultado.Clear()  
gbBuscar.Enabled = True  
gbDatos.Visible = False
```

```
End Sub
```

```
Private Sub dtpFecha_ValueChanged(sender As Object, e As EventArgs)  
Handles dtpFecha.ValueChanged
```

```
    If dtpFecha.Value > Now Then
```

```
        MsgBox("Error, no se permite ingresar una fecha mayor a la fecha  
actual.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
```

```
        dtpFecha.ResetText()
```

```
    End If
```

```
End Sub
```

```
End Class
```



frmConsultaDiagnostico

Public Class frmConsultaDiagnostico

```
Private Sub txtCI_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtCI.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
Private Sub cmdBuscarCI_Click(sender As Object, e As EventArgs) Handles  
cmdBuscarCI.Click
```

```
    Dim d As New Diagnosticos
```

```
    d.ci = Val(txtCI.Text)
```

```
    d.cn = cn
```

```
    Dim lista As List(Of Integer)
```

```
    lista = d.iddiag()
```

```
    Select Case d.verifyci()
```

```
        Case 0 'Encontré
```

```
            If d.estadoborrado = 1 Then
```

```
                MsgBox("No puede consultar la siguiente información debido a que  
usted está dado de baja, para que se realice el alta de vuelta debe de contactar  
con la institución médica.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
```

```
            Else
```

```
                Select Case d.getci()
```

```
                    Case 0
```

```
                        If d.ci = Val(txtCI.Text) Then
```

```
                            For Each ida In lista
```

```
                                cboID.Items.Add(ida)
```

```
                            Next
```

```
                                gbBuscar.Enabled = False
```

```
                                gbDatos.Enabled = True
```



```
        gbDatos.Visible = True
    Else
        MsgBox("Solo puedes buscar registros de tu propiedad, por
favor ingresa tu CI.", MsgBoxIcon.Error, "S.I.BI.M - GSA")
    End If

    Case Else : MsgBox("Solo puedes buscar registros de tu
propiedad, por favor ingresa tu CI.", MsgBoxIcon.Error, "S.I.BI.M - GSA")
    End Select
End If

Case 3 'No encontré
    MsgBox("El paciente no existe, o no tiene un diagnostico existente,
asegurese de que ingreso correctamente la CI.", MsgBoxIcon.Error,
"S.I.BI.M - GSA")

    cboID.Items.Clear()
    txtCI.Clear()
    txtDescripcion.Clear()
    txtNombreD.Clear()

End Select

d = Nothing

End Sub

Private Sub cboID_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles cboID.SelectedIndexChanged
    Dim d As New Diagnosticos
    d.ci = Val(txtCI.Text)
    d.id = Val(cboID.Text)
    d.cn = cn
    Select Case d.Buscar()
        Case 0 'Encontré
            txtCI.Text = d.ci
            txtNombreD.Text = d.nombreD
            dtpFecha.Value = d.fecha
```



```
txtDescripcion.Text = d.descripcion
```

```
Case 3 'No encontré
```

```
txtCl.Clear()
```

```
txtNombreD.Clear()
```

```
txtDescripcion.Clear()
```

```
Case Else : MsgBox("Hubo errores al efectuar operación. En caso de  
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")
```

```
End Select
```

```
d = Nothing
```

```
End Sub
```

```
Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles  
cmdCancelar.Click
```

```
cbolD.Items.Clear()
```

```
cbolD.ResetText()
```

```
txtCl.Clear()
```

```
dtpFecha.ResetText()
```

```
txtDescripcion.Clear()
```

```
gbBuscar.Enabled = True
```

```
gbDatos.Visible = False
```

```
End Sub
```

```
Private Sub frmConsultaDiagnostico_Leave(sender As Object, e As  
EventArgs) Handles Me.Leave
```

```
Me.Close()
```

```
End Sub
```

```
Private Sub frmConsultaDiagnostico_Load(sender As Object, e As  
EventArgs) Handles MyBase.Load
```

```
dtpFecha.Format = DateTimePickerFormat.Custom
```




```
    dtpFecha.CustomFormat = "yyyy/MM/dd HH:mm:ss"
```

```
End Sub
```

```
Private Sub dtpFecha_ValueChanged(sender As Object, e As EventArgs)  
Handles dtpFecha.ValueChanged
```

```
    If dtpFecha.Value > Now Then
```

```
        MsgBox("Error, no se permite ingresar una fecha mayor a la fecha  
actual.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
        dtpFecha.ResetText()
```

```
    End If
```

```
End Sub
```

```
End Class
```



frmConsultaEntInicial

Public Class frmConsultaEntInicial

Private Sub txtBCI_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtCI.KeyPress

 permitirNumerosSE(e)

End Sub

Private Sub cbFecha_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cbFecha.SelectedIndexChanged

 Dim i As New EntrevistaInicial

 i.ci = Val(txtCI.Text)

 i.fechacb = cbFecha.SelectedItem

 i.antecedentes = txtAntecedentes.Text

 i.enfermedad = txtEnfermedadActual.Text

 i.enfermedadf = txtEnfermedadFamiliar.Text

 i.estadoc = txtEstadoConciencia.Text

 i.frecuenciad = txtFrecuenciaCardiaca.Text

 i.frecuenciar = txtFrecuenciaResp.Text

 i.gradoc = txtGradoDeColab.Text

 i.gradoh = txtGradoDeHidratacion.Text

 i.motivoconsulta = txtMotivo.Text

 i.movilidad = txtMovilidad.Text

 i.nombreacompañante = txtNombreAcompañante.Text

 i.otro = txtOtro.Text

 i.temperatura = Val(txtTemperatura.Text)

 i.cimedico = Val(txtCIMedico.Text)

 i.pulso = txtPulso.Text

 i.actitud = txtActitud.Text

 i.estadon = txtEstadoNutricion.Text

 i.cn = cn



Select Case i.Buscar()

Case 0 'Encontré

txtAntecedentes.Text = i.antecedentes

txtEnfermedadActual.Text = i.enfermedad

txtTipoEnfActual.Text = i.tipoenfactual

txtTipoEnfAnt.Text = i.tipoenfanterior

txtEnfermedadFamiliar.Text = i.enfermedadf

txtEstadoConciencia.Text = i.estadoc

txtFrecuenciaCardiaca.Text = i.frecuenciac

txtFrecuenciaResp.Text = i.frecuenciar

txtGradoDeColab.Text = i.gradoc

txtGradoDeHidratacion.Text = i.gradoh

txtMotivo.Text = i.motivoconsulta

txtMovilidad.Text = i.movilidad

txtNombreAcompañante.Text = i.nombreacompañante

txtTemperatura.Text = i.temperatura

txtCIMedico.Text = i.cimedico

txtPulso.Text = i.pulso

txtActitud.Text = i.actitud

txtEstadoNutricion.Text = i.estadon

If i.fiebre = 1 Then

 CheckBoxFiebre.Checked = True

Else

 CheckBoxFiebre.Checked = False

End If

If i.malestar = 1 Then

 CheckBoxMalestar.Checked = True

Else

 CheckBoxMalestar.Checked = False



```
End If
If i.dolor = 1 Then
    CheckBoxDolor.Checked = True
Else
    CheckBoxDolor.Checked = False
End If
If i.otro = "" Then
    CheckBoxOtroS.Checked = False
    txtOtro.Clear()
Else
    CheckBoxOtroS.Checked = True
    txtOtro.Text = i.otro
End If
gbBuscar.Enabled = False
gbDatos.Enabled = True
gbDatos.Visible = True

Case Else : MsgBox("Hubo errores al efectuar operación. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select
i = Nothing

End Sub

Private Sub CheckBoxOtroS_CheckedChanged(sender As Object, e As
EventArgs) Handles CheckBoxOtroS.CheckedChanged
    If CheckBoxOtroS.Checked = True Then
        txtOtro.Visible = True
    Else
        txtOtro.Clear()
        txtOtro.Visible = False
    End If
End If
```



End Sub

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles cmdBuscar.Click

Dim i As New EntrevistaInicial

i.ci = Val(txtCI.Text)

i.cn = cn

Select Case i.verifci2()

Case 0 'Encontré

If i.estadoborrado = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case i.estadop()

Case 0

MsgBox("Operación efectuada con éxito.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al efectuar operación. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

End If

Else

Dim lista As List(Of String)

lista = i.fechafunc()

For Each Fecha In lista

cbFecha.Items.Add(Fecha)

Next



```
gbBuscar.Enabled = False
```

```
gbDatos.Enabled = True
```

```
gbDatos.Visible = True
```

```
End If
```

```
Case 3 'No encontré
```

```
    MsgBox("El paciente no existe, o no se le ha realizado ninguna  
    entrevista, asegurese de que ingreso correctamente la CI.",  
    MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
    txtCI.Clear()
```

```
End Select
```

```
i = Nothing
```

```
End Sub
```

```
Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles  
cmdCancelar.Click
```

```
    txtCI.Clear()
```

```
    txtCIMedico.Clear()
```

```
    txtEstadoConciencia.Clear()
```

```
    txtGradoDeColab.Clear()
```

```
    cbFecha.ResetText()
```

```
    txtMovilidad.Clear()
```

```
    txtPulso.Clear()
```

```
    txtActitud.Clear()
```

```
    txtEstadoNutricion.Clear()
```

```
    txtGradoDeHidratacion.Clear()
```

```
    txtEstadoConciencia.Clear()
```

```
    txtMotivo.Clear()
```

```
    txtFrecuenciaResp.Clear()
```

```
    txtTemperatura.Clear()
```

```
    txtFrecuenciaCardiaca.Clear()
```



```
txtEnfermedadActual.Clear()  
txtNombreAcompañante.Clear()  
txtEnfermedadFamiliar.Clear()  
txtAntecedentes.Clear()  
txtTipoEnfActual.Clear()  
txtTipoEnfAnt.Clear()  
txtOtro.Clear()  
CheckBoxDolor.Checked = False  
CheckBoxFiebre.Checked = False  
CheckBoxOtroS.Checked = False  
CheckBoxMalestar.Checked = False  
gbBuscar.Enabled = True  
gbDatos.Visible = False  
cbFecha.Items.Clear()
```

End Sub

```
Private Sub frmConsultaEntInicial_Leave(sender As Object, e As EventArgs)  
Handles Me.Leave
```

```
Me.Close()
```

End Sub

```
Private Sub CheckBoxDolor_CheckedChanged(sender As Object, e As  
EventArgs) Handles CheckBoxDolor.CheckedChanged
```

```
If CheckBoxDolor.Checked = True Then
```

```
cmdConsultar.Visible = True
```

```
Else
```

```
cmdConsultar.Visible = False
```

```
End If
```

End Sub



Private Sub cmdConsultar_Click(sender As Object, e As EventArgs) Handles cmdConsultar.Click

Dim i As New EntrevistaInicial

i.ci = Val(txtCI.Text)

i.fecha = cbFecha.SelectedItem

i.cn = cn

Select Case i.buscardolor()

Case 0 'Encontré

frmPartesCuerpo.Show()

frmPartesCuerpo.cmdIngresar.Enabled = False

If i.boca = 1 Then

frmPartesCuerpo.cbBoca.Checked = True

Else

frmPartesCuerpo.cbBoca.Checked = False

End If

If i.brazo = 1 Then

frmPartesCuerpo.cbBrazo.Checked = True

Else

frmPartesCuerpo.cbBrazo.Checked = False

End If

If i.cabeza = 1 Then

frmPartesCuerpo.cbCabeza.Checked = True

Else

frmPartesCuerpo.cbCabeza.Checked = False

End If

If i.cuello = 1 Then

frmPartesCuerpo.cbCuello.Checked = True

Else

frmPartesCuerpo.cbCuello.Checked = False



```
End If
If i.dedo = 1 Then
    frmPartesCuerpo.cbDedo.Checked = True
Else
    frmPartesCuerpo.cbDedo.Checked = False
End If
If i.espalda = 1 Then
    frmPartesCuerpo.cbEspalda.Checked = True
Else
    frmPartesCuerpo.cbEspalda.Checked = False
End If
If i.estomago = 1 Then
    frmPartesCuerpo.cbEstomago.Checked = True
Else
    frmPartesCuerpo.cbEstomago.Checked = False
End If
If i.frente = 1 Then
    frmPartesCuerpo.cbFrente.Checked = True
Else
    frmPartesCuerpo.cbFrente.Checked = False
End If
If i.garganta = 1 Then
    frmPartesCuerpo.cbGarganta.Checked = True
Else
    frmPartesCuerpo.cbGarganta.Checked = False
End If
If i.hombro = 1 Then
    frmPartesCuerpo.cbHombro.Checked = True
Else
```



```
frmPartesCuerpo.cbHombro.Checked = False
End If
If i.mano = 1 Then
    frmPartesCuerpo.cbMano.Checked = True
Else
    frmPartesCuerpo.cbMano.Checked = False
End If
If i.muslo = 1 Then
    frmPartesCuerpo.cbMuslo.Checked = True
Else
    frmPartesCuerpo.cbMuslo.Checked = False
End If
If i.munieca = 1 Then
    frmPartesCuerpo.cbMunieca.Checked = True
Else
    frmPartesCuerpo.cbMunieca.Checked = False
End If
If i.nariz = 1 Then
    frmPartesCuerpo.cbNariz.Checked = True
Else
    frmPartesCuerpo.cbNariz.Checked = False
End If
If i.ojo = 1 Then
    frmPartesCuerpo.cbOjo.Checked = True
Else
    frmPartesCuerpo.cbOjo.Checked = False
End If
If i.oreja = 1 Then
    frmPartesCuerpo.cbOreja.Checked = True
```



```
Else
    frmPartesCuerpo.cbOreja.Checked = False
End If
If i.pantorrilla = 1 Then
    frmPartesCuerpo.cbPantorrilla.Checked = True
Else
    frmPartesCuerpo.cbPantorrilla.Checked = False
End If
If i.pecho = 1 Then
    frmPartesCuerpo.cbPecho.Checked = True
Else
    frmPartesCuerpo.cbPecho.Checked = False
End If
If i.pie = 1 Then
    frmPartesCuerpo.cbPie.Checked = True
Else
    frmPartesCuerpo.cbPie.Checked = False
End If
If i.pierna = 1 Then
    frmPartesCuerpo.cbPierna.Checked = True
Else
    frmPartesCuerpo.cbPierna.Checked = False
End If
If i.rodilla = 1 Then
    frmPartesCuerpo.cbRodilla.Checked = True
Else
    frmPartesCuerpo.cbRodilla.Checked = False
End If
If i.tobillo = 1 Then
```



```
        frmPartesCuerpo.cbTobillo.Checked = True
    Else
        frmPartesCuerpo.cbTobillo.Checked = False
    End If
    If i.trasero = 1 Then
        frmPartesCuerpo.cbTrasero.Checked = True
    Else
        frmPartesCuerpo.cbTrasero.Checked = False
    End If
    Case Else 'No encontré
        MsgBox("Hubo errores al consultar las partes del cuerpo. En caso de
        persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
        GSA")
    End Select
End Sub

End Class
```



FrmConsultar Pacientes

Public Class frmConsultarPacientes

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles cmdCancelar.Click

```
txtPnombre.Clear()
txtSnombre.Clear()
txtPapellido.Clear()
txtSapellido.Clear()
cbTelefono.ResetText()
dtpFechaNac.ResetText()
txtEdad.Clear()
txtCalle.Clear()
txtEcivil.Clear()
txtSexo.Clear()
cbTelefono.Items.Clear()
txtCorreo.Clear()
txtNpuerta.Clear()
txtEsquina.Clear()
gbBuscar.Enabled = True
gbDatos.Visible = False
```

End Sub

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles cmdBuscar.Click

```
Dim p As New Pacientes
p.ci = Val(txtBCI.Text)
p.cn = cn
Select Case p.Buscar()
```



Case 0 'Encontré

If p.estadoborrado = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case p.estadop()

Case 0

MsgBox("El alta del paciente se realizó exitosamente",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al realizar el alta. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

End If

Else

txtPnombre.Text = p.pnombre

txtSnombre.Text = p.snombre

txtPapellido.Text = p.papellido

txtSapellido.Text = p.sapellido

dtpFechaNac.Text = p.fechanac

txtEdad.Text = p.edad

txtEcivil.Text = p.estadocivil

txtSexo.Text = p.sexo

txtCalle.Text = p.calle

txtCorreo.Text = p.correo

txtNpuerta.Text = p.nropuerta

txtEsquina.Text = p.esquina

Dim lista2 As List(Of String)



```
lista2 = p.patelefono()  
For Each Telefono In lista2  
    cbTelefono.Items.Add(Telefono)  
Next  
gbBuscar.Enabled = False  
gbDatos.Visible = True  
End If  
Case 3  
    MsgBox("No se encontró al paciente.", MessageBoxIcon.Error,  
"S.I.BI.M - GSA")  
    Case Else : MsgBox("Hubo errores al buscar el paciente. En caso de  
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")  
End Select  
p = Nothing  
End Sub  
  
Private Sub frmConsultarPacientes_Leave(sender As Object, e As  
EventArgs) Handles Me.Leave  
    Me.Close()  
End Sub  
End Class
```



FrmConsultasFormulario

Public Class frmConsultasFormulario

Private Sub txtCI_KeyPress(sender As Object, e As KeyPressEventArgs)
Handles txtCI.KeyPress

 permitirNumerosSE(e)

End Sub

Private Sub Button1_Click(ByVal sender As Object, ByVal e As EventArgs)
Handles cmdCancelar.Click

 txtCI.Clear()

 cboID.Items.Clear()

 cboID.ResetText()

 cboTipo.Items.Clear()

 cboTipo.ResetText()

 dgv_Form.Columns.Clear()

 gbFormulario.Enabled = False

 gbFormulario.Visible = False

 gbFiltros.Visible = False

 gbFiltros.Enabled = False

 gbBuscar.Enabled = True

End Sub

Private Sub cmdBuscar_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles cmdBuscar.Click

 Dim f As New Formularios

 f.tipo = cboTipo.SelectedItem()

 f.cn = cn

 f.ci = txtCI.Text

 cboTipo.Items.Clear()

 Dim lista As List(Of String)



```
lista = f.tipoform2()
Select Case f.verifyci()
    Case 0 'Encontré
        If f.estadoborradop = 1 Then
            If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then
                Select Case f.estadop()
                    Case 0
                        MsgBox("El alta del paciente se realizó exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")
                    Case 1
                        MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
                    Case Else
                        MsgBox("Hubo errores al realizar el alta. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")
                End Select
            End If
        Else
            For Each Diagnostico In lista
                cboTipo.Items.Add(Diagnostico)
            Next
            gbBuscar.Enabled = False
            gbFiltros.Enabled = True
            gbFiltros.Visible = True
            gbFormulario.Enabled = True
            gbFormulario.Visible = True
        End If
    Case 3 'No encontré
```



```
MsgBox("El paciente no existe, o no tiene formularios respondidos,  
asegurese de que ingreso correctamente la CI.", MessageBoxIcon.Error,  
"S.I.BI.M - GSA")
```

```
    cboID.Items.Clear()
```

```
    txtCI.Clear()
```

```
End Select
```

```
f = Nothing
```

```
End Sub
```

```
Private Sub cboTipo_SelectedIndexChanged(sender As Object, e As  
EventArgs) Handles cboTipo.SelectedIndexChanged
```

```
    Dim f As New Formularios
```

```
    f.tipo = cboTipo.SelectedItem()
```

```
    f.cn = cn
```

```
    Dim lista As List(Of Integer)
```

```
    lista = f.idform()
```

```
    cboID.Items.Clear()
```

```
    cboID.ResetText()
```

```
    For Each id In lista
```

```
        cboID.Items.Add(id)
```

```
    Next
```

```
End Sub
```

```
Private Sub cboID_SelectedIndexChanged(sender As Object, e As  
EventArgs) Handles cboID.SelectedIndexChanged
```

```
    Dim f As New Formularios
```

```
    f.idf = cboID.SelectedItem()
```

```
    f.cn = cn
```

```
    dgv_Form.DataSource = f.tablaform()
```

```
f = Nothing
```



End Sub

Private Sub frmConsultasFormulario_Leave(sender As Object, e As
EventArgs) Handles Me.Leave

Me.Close()

End Sub

End Class



frmCreditos

Public Class frmCreditos

Private Sub frmCreditos_Leave(sender As Object, e As EventArgs) Handles
Me.Leave

Me.Close()

End Sub

End Class



frmDiagnostico

Public Class frmDiagnostico

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles cmdBuscar.Click

Dim d As New Diagnosticos

d.ci = Val(txtCI.Text)

d.cn = cn

Select Case d.verifici2()

Case 0 'Encontré

If d.estadoborrado = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case d.estadop()

Case 0

MsgBox("El alta del paciente se realizó exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al realizar el alta. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

End If

Else

Select Case d.comprobarFecha()

Case 0

If MsgBox("¿Desea ingresar los datos de un diagnóstico
pertenciente a un paciente con C.I " & (txtCI.Text) & "?", MsgBoxStyle.YesNo,
"S.I.BI.M - GSA") = MsgBoxResult.Yes Then

gbBuscar.Enabled = False



```

        gbDatos.Enabled = True
        gbDatos.Visible = True
    End If

    Case Else
        MsgBox("El paciente no tiene consultas con un médico, para
        ingresar un diagnóstico es necesario previamente que se atienda con un
        médico.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
    End Select
End If

Case 3 'No encontré
    MsgBox("El paciente no existe, asegurese de que ingreso
    correctamente la CI.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
    nuevamente.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

    Case Else : MsgBox("Hubo errores al buscar el paciente. En caso de
    persistir, consulte al adm. del sistema.", MessageBoxButtons.Error, "S.I.BI.M -
    GSA")
End Select

d = Nothing
End Sub

```

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

```

    Dim d As New Diagnosticos
    d.ci = txtCI.Text
    d.tipo = cboTipo.SelectedItem()
    d.fecha = dtpFecha.Value
    d.descripcion = txtDescripcion.Text
    d.cn = cn
    Select Case d.Guardar(1)
        Case 0

```



```
MsgBox("Diagnóstico ingresado exitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
Dim myValue As String = InputBox("En el caso de que el diagnóstico  
realizado sea correcto, ingrese la enfermedad actual que detecto en el  
paciente.", "ESTABLECER ENFERMEDAD ACTUAL - S.I.BI.M - GSA",  
"Ingrese enfermedad")
```

```
If myValue.Equals("") Then
```

```
Else
```

```
    d.enfactual = myValue
```

```
    Select Case d.setenfactual
```

```
        Case 0
```

```
            MsgBox("Enfermedad actual actualizada exitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
            Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
            Case Else : MsgBox("Hubo errores al actualizar la enfermedad  
actual. En caso de persistir, consulte al adm. del sistema.",  
MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
        End Select
```

```
    End If
```

```
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
    Case Else : MsgBox("Hubo errores al ingresar el diagnóstico. En caso  
de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")
```

```
End Select
```

```
d = Nothing
```

```
End Sub
```

```
Private Sub frmDiagnostico_Leave(sender As Object, e As EventArgs)  
Handles Me.Leave
```

```
    Me.Close()
```

```
End Sub
```



Private Sub frmDiagnostico_Load(sender As Object, e As EventArgs)
Handles MyBase.Load

```
    dtpFecha.Format = DateTimePickerFormat.Custom  
    dtpFecha.CustomFormat = "yyyy/MM/dd HH:mm:ss"  
    Dim d As New Diagnosticos  
    d.cn = cn  
    Dim lista As List(Of String)  
    lista = d.tipodiag()  
    For Each Diagnostico In lista  
        cboTipo.Items.Add(Diagnostico)  
    Next
```

End Sub

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles
cmdCancelar.Click

```
    cboTipo.ResetText()  
    txtCl.Clear()  
    dtpFecha.ResetText()  
    txtDescripcion.Clear()  
    gbBuscar.Enabled = True  
    gbDatos.Visible = False
```

End Sub

Private Sub txtCl_KeyPress(sender As Object, e As KeyPressEventArgs)
Handles txtCl.KeyPress

```
    permitirNumerosSE(e)
```

End Sub

Private Sub dtpFecha_ValueChanged(sender As Object, e As EventArgs)
Handles dtpFecha.ValueChanged



```
If dtpFecha.Value > Now Then
    MsgBox("Error, no se permite ingresar una fecha mayor a la fecha
    actual.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    dtpFecha.ResetText()
End If
End Sub
End Class
```



frmEntrevistaInicial

Public Class frmEntrevistaInicial

```
Private Sub txtBCI_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtCI.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
Private Sub txtTemperatura_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles  
txtTemperatura.KeyPress
```

```
    If Char.IsNumber(e.KeyChar) Then
```

```
        e.Handled = False
```

```
    ElseIf Char.IsControl(e.KeyChar) Then
```

```
        e.Handled = False
```

```
    ElseIf Char.IsSeparator(e.KeyChar) Then
```

```
        e.Handled = True
```

```
        MessageBox.Show("No se permite ingresar espacios.",  
"ADVERTENCIA")
```

```
    ElseIf Char.IsPunctuation(e.KeyChar) Then
```

```
        e.Handled = False
```

```
    Else
```

```
        MessageBox.Show("No se permite ingresar letras a excepción de  
puntos o números.", "ADVERTENCIA")
```

```
        e.Handled = True
```

```
    End If
```

```
End Sub
```

```
Private Sub cmdIngresar_Click(ByVal sender As Object, e As EventArgs)  
Handles cmdIngresar.Click
```

```
    Dim i As New EntrevistaInicial
```



```
i.ci = Val(txtCI.Text)
i.cimedio = Val(txtCIMedio.Text)
i.estadoc = txtEstadoConciencia.Text
i.gradoc = txtGradoDeColab.Text
i.fecha = dtpFecha.Value
i.movilidad = txtMovilidad.Text
i.actitud = cbActitud.SelectedItem()
i.pulso = cbPulso.SelectedItem()
i.estadon = cbEstadoNutricion.SelectedItem()
i.gradoh = txtGradoDeHidratacion.Text
i.estadoc = txtEstadoConciencia.Text
i.motivoconsulta = txtMotivo.Text
i.temperatura = txtTemperatura.Text
i.frecuenciad = txtFrecuenciaCardiaca.Text
i.frecuenciar = txtFrecuenciaResp.Text
i.enfermedad = txtEnfermedadActual.Text
i.nombreacompañante = txtNombreAcompañante.Text
i.enfermedadf = txtEnfermedadFamiliar.Text
i.antecedentes = txtAntecedentes.Text
i.tipoenfanterior = txtTipoEnfAnt.Text
i.tipoenfactual = txtTipoEnfActual.Text
i.otro = txtOtro.Text
i.cn = cn
If CheckBoxFiebre.Checked = True Then
    i.fiebre = 1
Else
    i.fiebre = 0
End If
If CheckBoxDolor.Checked = True Then
```



```
i.dolor = 1
Else
    i.dolor = 0
End If
If CheckBoxMalestar.Checked = True Then
    i.malestar = 1
Else
    i.malestar = 0
End If
Select Case i.Guardar(1)
    Case 0
        MsgBox("Entrevista inicial ingresada exitosamente.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
        If CheckBoxDolor.Checked = True Then
            frmPartesCuerpo.Show()
        Else
            frmPrediccion.Show()
        End If
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
    nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    Case Else : MsgBox("Hubo errores al ingresar la entrevista inicial. En
    caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error,
    "S.I.BI.M - GSA")
End Select
i = Nothing
End Sub
```

```
Private Sub CheckBoxOtroS_CheckedChanged(sender As Object, e As
EventArgs) Handles CheckBoxOtroS.CheckedChanged
```

```
    If CheckBoxOtroS.Checked = True Then
        txtOtro.Visible = True
```



Else

txtOtro.Clear()

txtOtro.Visible = False

End If

End Sub

Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles
cmdBuscar.Click

Dim i As New EntrevistaInicial

i.ci = Val(txtCI.Text)

i.cn = cn

Select Case i.verifysi()

Case 0 'Encontré

If i.estadoborrado = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case i.estadop()

Case 0

MsgBox("El alta del paciente se realizó exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al realizar el alta. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

End If

Else

For Each tipo In i.actitudE



```
        cbActitud.Items.Add(tipo)
    Next
    For Each tipo In i.estadonE
        cbEstadoNutricion.Items.Add(tipo)
    Next
    For Each tipo In i.pulsoE
        cbPulso.Items.Add(tipo)
    Next
    gbBuscar.Enabled = False
    gbDatos.Enabled = True
    gbDatos.Visible = True
End If

Case 3 'No encontré
    MsgBox("El paciente no existe, asegurese de que ingreso
correctamente la CI.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    txtCI.Clear()
End Select
i = Nothing
End Sub

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles
cmdCancelar.Click
    txtCI.Clear()
    txtCIMedico.Clear()
    txtEstadoConciencia.Clear()
    txtGradoDeColab.Clear()
    dtpFecha.ResetText()
    txtMovilidad.Clear()
    cbActitud.ResetText()
    cbPulso.ResetText()
```



```
cbEstadoNutricion.ResetText()  
txtGradoDeHidratacion.Clear()  
txtEstadoConciencia.Clear()  
txtMotivo.Clear()  
txtFrecuenciaResp.Clear()  
txtTemperatura.Clear()  
txtFrecuenciaCardiaca.Clear()  
txtEnfermedadActual.Clear()  
txtNombreAcompañante.Clear()  
txtEnfermedadFamiliar.Clear()  
txtAntecedentes.Clear()  
txtTipoEnfActual.Clear()  
txtTipoEnfAnt.Clear()  
txtOtro.Clear()  
CheckBoxDolor.Checked = False  
CheckBoxFiebre.Checked = False  
CheckBoxOtroS.Checked = False  
CheckBoxMalestar.Checked = False  
gbBuscar.Enabled = True  
gbDatos.Visible = False
```

End Sub

```
Private Sub frmEntrevistaInicial_Leave(sender As Object, e As EventArgs)  
Handles Me.Leave
```

```
Me.Close()
```

End Sub

```
Private Sub frmEntrevistaInicial_Load(sender As Object, e As EventArgs)  
Handles MyBase.Load
```

```
dtpFecha.Format = DateTimePickerFormat.Custom
```



```
    dtpFecha.CustomFormat = "yyyy/MM/dd HH:mm:ss"
```

```
End Sub
```

```
Private Sub txtGradoDeColab_KeyPress(sender As Object, e As  
KeyPressEventArgs) Handles txtGradoDeColab.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtMovilidad_KeyPress(sender As Object, e As  
KeyPressEventArgs) Handles txtMovilidad.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtEstadoConciencia_KeyPress(sender As Object, e As  
KeyPressEventArgs) Handles txtEstadoConciencia.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtNombreAcompañante_KeyPress(sender As Object, e As  
KeyPressEventArgs) Handles txtNombreAcompañante.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtCIMedico_KeyPress(sender As Object, e As  
KeyPressEventArgs) Handles txtCIMedico.KeyPress
```

```
    permitirNumerosSE(e)
```

```
    If txtCIMedico.Text.Equals(txtCI.Text) Then
```

```
        MsgBox("Error, no se permite ingresar un médico que se atienda a sí  
mismo.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
```

```
        txtCIMedico.Clear()
```

```
    End If
```




End Sub

Private Sub txtTipoEnfActual_KeyPress(sender As Object, e As
KeyPressEventArgs) Handles txtTipoEnfActual.KeyPress

 permitirLetrasCE(e)

End Sub

Private Sub txtTipoEnfAnt_KeyPress(sender As Object, e As
KeyPressEventArgs) Handles txtTipoEnfAnt.KeyPress

 permitirLetrasCE(e)

End Sub

Private Sub txtGradoDeHidratacion_KeyPress(sender As Object, e As
KeyPressEventArgs) Handles txtGradoDeHidratacion.KeyPress

 permitirLetrasCE(e)

End Sub

Private Sub dtpFecha_ValueChanged(sender As Object, e As EventArgs)
Handles dtpFecha.ValueChanged

 If dtpFecha.Value > Now Then

 MsgBox("Error, no se permite ingresar una fecha mayor a la fecha
actual.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

 dtpFecha.ResetText()

 End If

End Sub

Private Sub txtTemperatura_TextChanged(sender As Object, e As
EventArgs) Handles txtTemperatura.TextChanged

 If Val(txtTemperatura.Text) >= 37.5 Then

 CheckBoxFiebre.Checked = True

 Else



```
        CheckBoxFiebre.Checked = False
    End If
End Sub
End Class
```



frmFormulario

Public Class frmFormulario

```
Private Sub cmdBuscar_Click(sender As Object, e As EventArgs) Handles  
cmdBuscar.Click
```

```
    Dim f As New Formularios
```

```
    f.ci = Val(txtCI.Text)
```

```
    f.cn = cn
```

```
    Select Case f.verifyci2()
```

```
        Case 0 'Encontré
```

```
            If f.estadoborradop = 1 Then
```

```
                If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",  
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then
```

```
                    Select Case f.estadop()
```

```
                        Case 0
```

```
                            MsgBox("El alta del paciente se realizó exitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
                        Case 1
```

```
                            MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
                        Case Else
```

```
                            MsgBox("Hubo errores al realizar el alta. En caso de  
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")
```

```
                    End Select
```

```
            End If
```

```
        Else
```

```
            Select Case f.comprobarFecha()
```

```
                Case 0
```

```
                    Dim lista As List(Of String)
```

```
                    lista = f.fechafunc()
```



```
For Each Fecha In lista
    cbFecha.Items.Add(Fecha)
Next
Dim lista2 As List(Of String)
lista2 = f.tipoform()
For Each Diagnostico In lista2
    cboTipo.Items.Add(Diagnostico)
Next
gbBuscar.Enabled = False
gbDatos.Enabled = True
gbDatos.Visible = True
gbIngPreg.Enabled = True
gbIngPreg.Visible = True
gbSelecPreg.Enabled = True
gbSelecPreg.Visible = True
gbIngResp.Enabled = True
gbIngResp.Visible = True
Case Else
    MsgBox("El paciente no tiene consultas con un médico, para
    contestar un formulario es necesario previamente que se atienda con un
    médico.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
End Select
End If
Case 3 'No encontré
    MsgBox("El paciente no existe, asegurese de que ingreso
    correctamente la CI.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
    nuevamente.", MessageBoxButtons.Error, "S.I.BI.M - GSA")
Case Else : MsgBox("Hubo errores al buscar el paciente. En
    caso de persistir, consulte al adm. del sistema.", MessageBoxButtons.Error,
    "S.I.BI.M - GSA")
```



End Select

f = Nothing

End Sub

Private Sub cbFecha_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cbFecha.SelectedIndexChanged

Dim f As New Formularios

f.fecha = cbFecha.SelectedItem()

f.cn = cn

Dim lista As List(Of String)

lista = f.cifunc()

For Each CI In lista

cbCIMedico.Items.Add(CI)

Next

End Sub

Private Sub cboTipo_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cboTipo.SelectedIndexChanged

Dim f As New Formularios

f.tipo = cboTipo.SelectedItem()

f.cn = cn

Dim lista As List(Of Integer)

lista = f.idform()

cboPregunta.Items.Clear()

cboPregunta.ResetText()

cbolD.Items.Clear()

cbolD.ResetText()

For Each id In lista

cbolD.Items.Add(id)

Next



End Sub

Private Sub cboID_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cboID.SelectedIndexChanged

```
Dim f As New Formularios
f.idf = cboID.SelectedItem()
f.cn = cn
cboPregunta.Items.Clear()
cboPregunta.ResetText()
Dim lista1 As List(Of String)
lista1 = f.preg2()
For Each Pregunta In lista1
    cboPregunta.Items.Add(Pregunta)
Next
```

End Sub

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

```
Dim f As New Formularios
f.idf = cboID.SelectedItem()
f.ci = txtCI.Text
f.respuesta = txtRespuesta.Text
f.pregunta = cboPregunta.SelectedItem()
f.fecha = cbFecha.SelectedItem()
f.cimedico = cbCIMedico.SelectedItem()
f.cn = cn
Select Case f.Guardar3(1)
```

Case 0

```
    MsgBox("Respuesta ingresada exitosamente.",
    MessageBoxIcon.Information, "S.I.BI.M - GSA")
```



Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al ingresar la respuesta. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

f = Nothing

End Sub

Private Sub frmFormulario_Leave(sender As Object, e As EventArgs) Handles Me.Leave

Me.Close()

End Sub

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles cmdCancelar.Click

txtCl.Clear()

txtRespuesta.Clear()

cbCIMedico.ResetText()

cbFecha.ResetText()

cboID.ResetText()

cboPregunta.ResetText()

cboTipo.ResetText()

gbBuscar.Enabled = True

gbDatos.Enabled = False

gbDatos.Visible = False

gbIngPreg.Enabled = False

gbIngPreg.Visible = False

gbSelecPreg.Enabled = False

gbSelecPreg.Visible = False

gbIngResp.Enabled = False



```
    gbIngResp.Visible = False  
End Sub  
End Class
```




FrmlIngresoPacientes

Public Class frmIngresoPacientes

```
Private Sub txtBCI_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtBCI.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
Private Sub txtPnombre_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtPnombre.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtPapellido_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtPapellido.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtSnombre_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtSnombre.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtSapellido_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtSapellido.KeyPress
```

```
    permitirLetrasCE(e)
```

```
End Sub
```

```
Private Sub txtEdad_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtEdad.KeyPress
```

```
    permitirNumerosSE(e)
```



End Sub

Private Sub cmdBuscar_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles cmdBuscar.Click

Dim p As New Pacientes

p.ci = Val(txtBCI.Text)

p.cn = cn

Select Case p.verifyci()

Case 0

Select Case p.Buscar()

Case 0 'Encontré

If p.estadoborradop = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?", MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case p.estadop()

Case 0

MsgBox("El alta del paciente se realizó éxitosamente", MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al realizar el alta. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

End If

Else

txtPnombre.Text = p.pnombre

txtSnombre.Text = p.snombre

txtPapellido.Text = p.papellido



```
txtSapellido.Text = p.sapellido
dtpFechaNac.Text = p.fechanac
txtEdad.Text = p.edad
cbEcivil.Text = p.estadocivil
cbSexo.Text = p.sexo
txtCalle.Text = p.calle
txtCorreo.Text = p.correo
txtNpuerta.Text = p.nropuerta
txtEsquina.Text = p.esquina
Dim lista As List(Of String)
lista = p.ecivil()
For Each EstadoCivil In lista
    cbEcivil.Items.Add(EstadoCivil)
Next
Dim lista1 As List(Of Char)
lista1 = p.csexo()
For Each Sexo In lista1
    cbSexo.Items.Add(Sexo)
Next
Dim lista2 As List(Of String)
lista2 = p.patelefono()
For Each Telefono In lista2
    cbTelefono.Items.Add(Telefono)
Next
gbTelefono.Visible = True
gbBuscar.Enabled = False
gbDatos.Visible = True
cmdIngresar.Enabled = False
cmdEliminar.Enabled = True
```



```
cmdModificar.Enabled = True
End If
Case 3 'No encontré
    MsgBox("Esta persona perteneciente al personal médico ya
    tiene los datos necesarios ingresados, para ingresarlo como paciente
    solamente hace falta ingresar los siguientes datos.",
    MessageBoxIcon.Information, "S.I.BI.M - GSA")
    frmUsuario.Show()
    frmUsuario.cmdIngresar.Visible = True
    frmPaciente.Enabled = False
    frmPaciente.Show()
    frmPaciente.cmdIngresar2.Visible = True
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
    nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    Case Else : MsgBox("Hubo errores al buscar el paciente. En caso
    de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
    GSA")
End Select
Case 3
    Select Case p.Buscar()
    Case 0 'Encontré
        If p.estadoborradop = 1 Then
            If MsgBox("El paciente se dió de baja, ¿Desaea darle de
            alta?", MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then
                Select Case p.estadop()
                Case 0
                    MsgBox("El alta del paciente se realizó exitosamente",
                    MessageBoxIcon.Information, "S.I.BI.M - GSA")
                Case 1
                    MsgBox("Se ha perdido la sesión. Debe loguearse
                    nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
                Case Else
```



MsgBox("Hubo errores al realizar el alta. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

End If

Else

txtPnombre.Text = p.pnombre

txtSnombre.Text = p.snombre

txtPapellido.Text = p.papellido

txtSapellido.Text = p.sapellido

dtpFechaNac.Text = p.fechanac

txtEdad.Text = p.edad

cbEcivil.Text = p.estadocivil

cbSexo.Text = p.sexo

txtCalle.Text = p.calle

txtCorreo.Text = p.correo

txtNpuerta.Text = p.nropuerta

txtEsquina.Text = p.esquina

Dim lista As List(Of String)

lista = p.ecivil()

For Each EstadoCivil In lista

cbEcivil.Items.Add(EstadoCivil)

Next

Dim lista1 As List(Of Char)

lista1 = p.csexo()

For Each Sexo In lista1

cbSexo.Items.Add(Sexo)

Next

Dim lista2 As List(Of String)

lista2 = p.patelefono()



```
For Each Telefono In lista2
    cbTelefono.Items.Add(Telefono)
Next
gbTelefono.Visible = True
gbBuscar.Enabled = False
gbDatos.Visible = True
cmdIngresar.Enabled = False
cmdEliminar.Enabled = True
cmdModificar.Enabled = True
End If

Case 3
    If MsgBox("El paciente no se encontró, ¿Desea ingresarlo?",
        MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then
        frmUsuario.Show()
        frmUsuario.cmdIngresar.Visible = True
        Me.Enabled = False
        Dim lista As List(Of String)
        lista = p.ecivil()
        For Each EstadoCivil In lista
            cbEcivil.Items.Add(EstadoCivil)
        Next
        Dim lista1 As List(Of Char)
        lista1 = p.csexo()
        For Each Sexo In lista1
            cbSexo.Items.Add(Sexo)
        Next
        gbTelefono.Visible = False
        gbBuscar.Enabled = False
        gbDatos.Visible = True
```



```
cmdIngresar.Enabled = True
cmdEliminar.Enabled = False
cmdModificar.Enabled = False

End If

End Select

Case Else : MsgBox("Hubo errores al buscar el paciente. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

p = Nothing

End Sub

Private Sub cmdEliminar_Click(sender As Object, e As EventArgs) Handles
cmdEliminar.Click

Dim p As New Pacientes

p.ci = Val(txtBCI.Text)

p.cn = cn

Select Case p.Eliminar()

Case 0

MsgBox("Paciente eliminado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

txtPnombre.Clear()

txtSnombre.Clear()

txtPapellido.Clear()

txtSapellido.Clear()

cbEcivil.ResetText()

cbTelefono.ResetText()

dtpFechaNac.ResetText()

txtEdad.Clear()

txtCalle.Clear()
```



```
cbEcivil.Items.Clear()  
cbSexo.Items.Clear()  
cbTelefono.Items.Clear()  
txtCorreo.Clear()  
txtNpuerta.Clear()  
txtEsquina.Clear()  
gbTelefono.Visible = False  
gbBuscar.Enabled = True  
gbDatos.Visible = False
```

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al eliminar el paciente. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

p = Nothing

End Sub

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

```
Dim p As New Pacientes  
p.ci = Val(txtBCI.Text)  
p.pnombre = txtPnombre.Text  
p.snombre = txtSnombre.Text  
p.papellido = txtPapellido.Text  
p.sapellido = txtSapellido.Text  
p.fechanac = dtpFechaNac.Text  
p.estadocivil = cbEcivil.Text  
p.sexo = cbSexo.Text  
p.calle = txtCalle.Text
```




```
p.correo = txtCorreo.Text
p.nropuerta = txtNpuerta.Text
p.esquina = txtEsquina.Text
p.cn = cn
Select Case p.Guardar(1)
    Case 0
        MsgBox("Paciente ingresado exitosamente.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
        frmTelefono.Show()
        frmTelefono.cmdAgregar.Visible = True
        frmTelefono.cmdQuitar.Visible = True
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    Case Else : MsgBox("Hubo errores al ingresar el paciente. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")
End Select
p = Nothing
End Sub

Private Sub cmdModificar_Click(sender As Object, e As EventArgs) Handles
cmdModificar.Click
    Dim p As New Pacientes
    p.ci = Val(txtBCI.Text)
    p.pnombre = txtPnombre.Text
    p.snombre = txtSnombre.Text
    p.papellido = txtPapellido.Text
    p.sapellido = txtSapellido.Text
    p.fechanac = dtpFechaNac.Text
    p.estadocivil = cbEcivil.Text
    p.sexo = cbSexo.Text
    p.calle = txtCalle.Text
```



```
p.telefono = txtCorreo.Text  
p.nropuerta = txtNpuerta.Text  
p.esquina = txtEsquina.Text  
p.cn = cn
```

```
Select Case p.Guardar(0)
```

```
Case 0
```

```
MsgBox("El paciente se modificó exitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
Case Else : MsgBox("Hubo errores al modificar el paciente. En caso de  
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")
```

```
End Select
```

```
p = Nothing
```

```
End Sub
```

```
Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles  
cmdCancelar.Click
```

```
txtPnombre.Clear()  
txtSnombre.Clear()  
txtPapellido.Clear()  
txtSapellido.Clear()  
cbEcivil.ResetText()  
cbTelefono.ResetText()  
dtpFechaNac.ResetText()  
txtEdad.Clear()  
txtCalle.Clear()  
cbEcivil.Items.Clear()  
cbSexo.Items.Clear()  
cbTelefono.Items.Clear()
```



```
txtCorreo.Clear()  
txtNpuerta.Clear()  
txtEsquina.Clear()  
gbTelefono.Visible = False  
gbBuscar.Enabled = True  
gbDatos.Visible = False
```

```
End Sub
```

```
Private Sub dtpFechaNac_ValueChanged(sender As Object, e As  
EventArgs) Handles dtpFechaNac.ValueChanged
```

```
    Dim Anios As Integer  
    Dim Meses As Integer  
    Dim Dias As Integer  
    Dim FechaCalculo As Date  
    FechaCalculo = dtpFechaNac.Value
```

```
    If dtpFechaNac.Value > Now Then
```

```
        MsgBox("Error, no se permite ingresar una fecha de nacimiento mayor a  
la fecha actual.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
    End If
```

```
    Do While DateAdd("YYYY", 1, FechaCalculo) <= Now
```

```
        Anios = Anios + 1
```

```
        FechaCalculo = DateAdd("YYYY", 1, FechaCalculo)
```

```
    Loop
```

```
    Do While DateAdd("m", 1, FechaCalculo) <= Now
```

```
        Meses = Meses + 1
```

```
        FechaCalculo = DateAdd("m", 1, FechaCalculo)
```

```
    Loop
```



```
Do While DateAdd("d", 1, FechaCalculo) <= Now
```

```
    Dias = Dias + 1
```

```
    FechaCalculo = DateAdd("d", 1, FechaCalculo)
```

```
Loop
```

```
Dim Edad As String = Anios & " años, " & Meses & " meses y " & Dias & " días"
```

```
txtEdad.Text = Edad
```

```
End Sub
```

```
Private Sub frmIngresoPacientes_Leave(sender As Object, e As EventArgs)
Handles Me.Leave
```

```
    Me.Close()
```

```
End Sub
```

```
Private Sub frmIngresoPacientes_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
```

```
    dtpFechaNac.Format = DateTimePickerFormat.Custom
```

```
    dtpFechaNac.CustomFormat = "yyyy/MM/dd HH:mm:ss"
```

```
End Sub
```

```
Private Sub cmdAddMed_Click(sender As Object, e As EventArgs)
```

```
Dim m As New PersonalMedico
```

```
m.ci = Val(txtBCI.Text)
```

```
m.cn = cn
```

```
Select Case m.Buscar()
```

```
    Case 0 'Encontré
```

```
        If m.estadoborrado = 1 Then
```



```

    If MsgBox("El médico o auxiliar se dió de baja, ¿Desaea darle de
    alta?", MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then
        Select Case m.estado()
            Case 0
                MsgBox("El médico o auxiliar se dio de alta éxitosamente.",
                MessageBoxIcon.Information, "S.I.BI.M - GSA")
            Case 1
                MsgBox("Se ha perdido la sesión. Debe loguearse
                nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
            Case Else
                MsgBox("Hubo errores al efectuar el alta del médico o
                auxiliar. En caso de persistir, consulte al adm. del sistema.",
                MessageBoxIcon.Error, "S.I.BI.M - GSA")
            End Select
        End If
    End If

    MsgBox("Esta persona ya pertenece al personal médico.",
    MessageBoxIcon.Error, "S.I.BI.M - GSA")

    Case 3 'No encontré
        frmMedico.Show()

    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
    nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

    Case Else : MsgBox("Hubo errores al buscar el personal médico. En
    caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error,
    "S.I.BI.M - GSA")

    End Select

    m = Nothing

End Sub

```

```

Private Sub cmdAgregar_Click(sender As Object, e As EventArgs) Handles
cmdAgregar.Click

```

```

    Dim p As New Pacientes

```



```
p.ci = Val(txtBCI.Text)
p.telefono = cbTelefono.Text
p.cn = cn
Select Case p.GuardarT(1)
    Case 0
        MsgBox("Teléfono ingresado exitosamente.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
        cbTelefono.Items.Clear()
        Dim lista2 As List(Of String)
        lista2 = p.patelefono()
        For Each Telefono In lista2
            cbTelefono.Items.Add(Telefono)
        Next
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    Case Else : MsgBox("Hubo errores al ingresar el teléfono. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")
End Select
p = Nothing
End Sub
```

```
Private Sub cmdQuitar_Click(sender As Object, e As EventArgs) Handles
cmdQuitar.Click
```

```
    Dim p As New Pacientes
    p.ci = Val(txtBCI.Text)
    p.telefono = cbTelefono.Text
    p.cn = cn
    Select Case p.EliminarT(1)
        Case 0
```



```
MsgBox("Teléfono eliminado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

cbTelefono.Items.Clear()

Dim lista2 As List(Of String)

lista2 = p.patelefono()

For Each Telefono In lista2

    cbTelefono.Items.Add(Telefono)

Next

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al eliminar el teléfono. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

p = Nothing

End Sub

Private Sub cbEcivil_KeyPress(sender As Object, e As KeyPressEventArgs)
Handles cbEcivil.KeyPress

    e.Handled = True

    MsgBox("Solo puede seleccionar los estados civiles existentes.",
MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Sub

Private Sub cbSexo_KeyPress(sender As Object, e As KeyPressEventArgs)
Handles cbSexo.KeyPress

    e.Handled = True

    MsgBox("Solo puede seleccionar los sexos existentes.",
MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Sub
```



```
Private Sub cbTelefono_KeyPress(sender As Object, e As  
KeyPressEventArgs) Handles cbTelefono.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
End Class
```




frmLogin

Public Class frmLogin

```
Private Sub txtUsuario_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtUsuario.KeyPress
```

```
    If Char.IsSeparator(e.KeyChar) Then
```

```
        e.Handled = True
```

```
        MessageBox.Show("No se permite ingresar un usuario con espacios.",  
"ADVERTENCIA - S.I.BI.M - GSA")
```

```
    Else
```

```
        e.Handled = False
```

```
    End If
```

```
End Sub
```

```
Private Sub cmdIngresar_Click(ByVal sender As System.Object, ByVal e As  
System.EventArgs) Handles cmdIngresar.Click
```

```
    Try
```

```
        cn.Open("MIDBC", txtUsuario.Text, txtContrasenia.Text)
```

```
    Catch ex As Exception
```

```
        MsgBox("Usuario y/o contraseña incorrectos.", MessageBoxIcon.Error,  
"S.I.BI.M - GSA")
```

```
    Exit Sub
```

```
End Try
```

```
cn.CursorLocation = ADODB.CursorLocationEnum.adUseClient
```

```
doyPermisos(txtUsuario.Text)
```

```
cipub = txtUsuario.Text
```

```
Me.Close()
```

```
End Sub
```



```
Private Sub txtContrasenia_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles  
txtContrasenia.KeyPress
```

```
    If Char.IsSeparator(e.KeyChar) Then
```

```
        e.Handled = True
```

```
        MessageBox.Show("No se permite ingresar una contraseña con  
espacios.", "ADVERTENCIA - S.I.BI.M - GSA")
```

```
    Else
```

```
        e.Handled = False
```

```
    End If
```

```
End Sub
```

```
Private Sub txtContrasenia_TextChanged(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles txtContrasenia.TextChanged
```

```
    If txtContrasenia.Text.Length < 8 Then
```

```
        lblContraseniaMSG.Visible = True
```

```
        cmdIngresar.Enabled = False
```

```
    ElseIf txtContrasenia.Text.Length > 24 Then
```

```
        lblContraseniaMSG.Visible = True
```

```
        cmdIngresar.Enabled = False
```

```
    Else
```

```
        lblContraseniaMSG.Visible = False
```

```
        If lblUsuarioMSG.Visible = False And lblUsuarioMSG.Visible = False  
Then
```

```
            cmdIngresar.Enabled = True
```

```
        Else
```

```
            cmdIngresar.Enabled = False
```

```
        End If
```

```
    End If
```

```
End Sub
```



```
Private Sub txtUsuario_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtUsuario.TextChanged
```

```
    If txtUsuario.Text.Length < 4 Then
```

```
        lblUsuarioMSG.Visible = True
```

```
        cmdIngresar.Enabled = False
```

```
    ElseIf txtUsuario.Text.Length > 16 Then
```

```
        lblUsuarioMSG.Visible = True
```

```
        cmdIngresar.Enabled = False
```

```
    Else
```

```
        lblUsuarioMSG.Visible = False
```

```
        If lblContraseniaMSG.Visible = False And lblUsuarioMSG.Visible = False Then
```

```
            cmdIngresar.Enabled = True
```

```
        Else
```

```
            cmdIngresar.Enabled = False
```

```
        End If
```

```
    End If
```

```
End Sub
```

```
Private Sub frmLogin_Leave(sender As Object, e As EventArgs) Handles Me.Leave
```

```
    Me.Close()
```

```
End Sub
```

```
End Class
```



frmMedico

Public Class frmMedico

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

Dim m As New PersonalMedico

m.ci = Val(frmAdmPersonalMedico.txtCI.Text)

m.especialidad = txtEspecialidad.Text

m.cn = cn

If rbAuxiliarMedico.Checked = False And rbMedico.Checked = False Then

MsgBox("Debe seleccionar el tipo de personal. (Médico o Auxiliar)",
MessageBoxIcon.Warning, "S.I.BI.M - GSA")

Else

If rbMedico.Checked = True Then

Select Case m.Guardar3(1)

Case 0

MsgBox("Se ha ingresado exitosamente al médico.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Me.Close()

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.")

Case Else : MsgBox("Hubo errores al ingresar el médico. En caso
de persistir, consulte al adm. del sistema.")

End Select

ElseIf rbAuxiliarMedico.Checked = True Then

Select Case m.Guardar4(1)

Case 0

MsgBox("Se ha ingresado exitosamente al auxiliar médico.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Me.Close()



Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al ingresar el auxiliar médico. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

End If

End If

m = Nothing

End Sub

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles cmdCancelar.Click

txtEspecialidad.Clear()

rbAuxiliarMedico.Checked = False

rbMedico.Checked = False

Me.Close()

End Sub

Private Sub rbMedico_CheckedChanged(sender As Object, e As EventArgs) Handles rbMedico.CheckedChanged

lblEspecialidad.Visible = True

txtEspecialidad.Visible = True

End Sub

Private Sub rbAuxiliarMedico_CheckedChanged(sender As Object, e As EventArgs) Handles rbAuxiliarMedico.CheckedChanged

lblEspecialidad.Visible = False

txtEspecialidad.Visible = False

txtEspecialidad.Clear()

End Sub



frmPaciente

Public Class frmPaciente

Private Sub frmPaciente_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Dim p As New Pacientes

p.cn = cn

Dim lista As List(Of String)

lista = p.ecivil()

For Each EstadoCivil In lista

cbECivil.Items.Add(EstadoCivil)

Next

Dim lista1 As List(Of Char)

lista1 = p.csexo()

For Each Sexo In lista1

cbSexo.Items.Add(Sexo)

Next

End Sub

Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles cmdCancelar.Click

Me.Close()

End Sub

Private Sub cmdIngresar2_Click(sender As Object, e As EventArgs) Handles cmdIngresar2.Click

Dim p As New Pacientes

p.ci = Val(frmIngresoPacientes.txtBCI.Text)

p.estadocivil = cbECivil.SelectedItem

p.sexo = cbSexo.SelectedItem



```
p.cn = cn
Select Case p.Guardar1(1)
    Case 0
        MsgBox("Paciente ingresado exitosamente.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
        Me.Close()
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
    nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    Case Else : MsgBox("Hubo errores al ingresar el paciente. En caso de
    persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
    GSA")
End Select
p = Nothing
End Sub
End Class
```



frmPartesCuerpo

Public Class frmPartesCuerpo

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

Dim i As New EntrevistaInicial

i.ci = Val(frmEntrevistaInicial.txtCI.Text)

i.cimedico = frmEntrevistaInicial.txtCIMedico.Text

i.fecha = frmEntrevistaInicial.dtpFecha.Value

i.cn = cn

If cbBoca.Checked = True Then

i.boca = 1

Else

i.boca = 0

End If

If cbBrazo.Checked = True Then

i.brazo = 1

Else

i.brazo = 0

End If

If cbCabeza.Checked = True Then

i.cabeza = 1

Else

i.cabeza = 0

End If

If cbCuello.Checked = True Then

i.cuello = 1

Else

i.cuello = 0

End If



```
If cbDedo.Checked = True Then
    i.dedo = 1
Else
    i.dedo = 0
End If

If cbEspalda.Checked = True Then
    i.espalda = 1
Else
    i.espalda = 0
End If

If cbEstomago.Checked = True Then
    i.estomago = 1
Else
    i.estomago = 0
End If

If cbFrente.Checked = True Then
    i.frente = 1
Else
    i.frente = 0
End If

If cbGarganta.Checked = True Then
    i.garganta = 1
Else
    i.garganta = 0
End If

If cbHombro.Checked = True Then
    i.hombro = 1
Else
    i.hombro = 0
```



```
End If
If cbMano.Checked = True Then
    i.mano = 1
Else
    i.mano = 0
End If
If cbMuslo.Checked = True Then
    i.muslo = 1
Else
    i.muslo = 0
End If
If cbMunieca.Checked = True Then
    i.munieca = 1
Else
    i.munieca = 0
End If
If cbNariz.Checked = True Then
    i.nariz = 1
Else
    i.nariz = 0
End If
If cbOjo.Checked = True Then
    i.ojo = 1
Else
    i.ojo = 0
End If
If cbOreja.Checked = True Then
    i.oreja = 1
Else
```



```
i.oreja = 0
End If
If cbPantorrilla.Checked = True Then
    i.pantorrilla = 1
Else
    i.pantorrilla = 0
End If
If cbPecho.Checked = True Then
    i.pecho = 1
Else
    i.pecho = 0
End If
If cbPie.Checked = True Then
    i.pie = 1
Else
    i.pie = 0
End If
If cbPierna.Checked = True Then
    i.pierna = 1
Else
    i.pierna = 0
End If
If cbRodilla.Checked = True Then
    i.rodilla = 1
Else
    i.rodilla = 0
End If
If cbTobillo.Checked = True Then
    i.tobillo = 1
```



```
Else
    i.tobillo = 0
End If

If cbTrasero.Checked = True Then
    i.trasero = 1
Else
    i.trasero = 0
End If

Select Case i.Guardar2(1)
    Case 0
        MsgBox("Partes del cuerpo con dolor éxitosamente.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
        frmPrediccion.Show()
        Me.Close()

        Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
        nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

        Case Else : MsgBox("Hubo errores al ingresar la el dolor de las partes
        del cuerpo. En caso de persistir, consulte al adm. del sistema.",
        MessageBoxIcon.Error, "S.I.BI.M - GSA")

    End Select

    i = Nothing
End Sub
```

```
Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles
cmdCancelar.Click
```

```
    cbBoca.Checked = False
    cbBrazo.Checked = False
    cbCabeza.Checked = False
    cbCuello.Checked = False
    cbDedo.Checked = False
    cbEspalda.Checked = False
```



```
cbEstomago.Checked = False
cbFrente.Checked = False
cbGarganta.Checked = False
cbHombro.Checked = False
cbMano.Checked = False
cbMuslo.Checked = False
cbMunieca.Checked = False
cbNariz.Checked = False
cbOjo.Checked = False
cbOreja.Checked = False
cbPantorrilla.Checked = False
cbPecho.Checked = False
cbPie.Checked = False
cbPierna.Checked = False
cbRodilla.Checked = False
cbTobillo.Checked = False
cbTrasero.Checked = False
Me.Close()
```

```
End Sub
```

```
End Class
```



frmPredicción

Public Class frmPrediccion

Private Sub frmPrediccion_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Dim i As New EntrevistaInicial

txtCI.Text = frmEntrevistaInicial.txtCI.Text

i.ci = Val(txtCI.Text)

i.cn = cn

Select Case i.nomape()

Case 0 'Encontré

txtNombre.Text = i.nombrepaciente

txtApellido.Text = i.apellidopaciente

Case Else

MsgBox("Hubo errores al realizar la operación. En caso de persistir, consulte al adm. del sistema.", MessageBoxButtons.Error, "S.I.BI.M - GSA")

End Select

If frmEntrevistaInicial.CheckBoxFiebre.Checked = True Then

txtFiebre.Text = "SI"

i.fiebre = 1

Else

txtFiebre.Text = "NO"

i.fiebre = 0

End If

If frmEntrevistaInicial.CheckBoxDolor.Checked = True Then

txtDolor.Text = "SI"

cmdConsultar.Enabled = True

i.dolor = 1

Else

txtDolor.Text = "NO"



```
cmdConsultar.Enabled = False
i.dolor = 0
End If
If frmEntrevistaInicial.CheckBoxMalestar.Checked = True Then
    txtMalestar.Text = "SI"
    i.malestar = 1
Else
    txtMalestar.Text = "NO"
    i.malestar = 0
End If
If frmEntrevistaInicial.CheckBoxOtroS.Checked = True Then
    txtOtro.Text = frmEntrevistaInicial.txtOtro.Text
    i.otro = txtOtro.Text
Else
    txtOtro.Text = "NO"
    i.otro = ""
End If
If txtDolor.Text.Equals("SI") Then
    DataGridView1.DataSource = i.tabladata2()
Else
    DataGridView1.DataSource = i.tabladata1()
End If
i = Nothing
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
cmdConfirmar.Click
    Dim i As New EntrevistaInicial
    txtCI.Text = frmEntrevistaInicial.txtCI.Text
```



```
i.ci = Val(txtCI.Text)
i.fecha = frmEntrevistaInicial.dtpFecha.Value
i.enfermedad = txtEnfermedadActual.Text
i.cn = cn
Select Case i.confirmarenf()
    Case 0 'Encontré
        MsgBox("Enfermedad actual del paciente modificada con éxito.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
    Case Else
        MsgBox("Hubo errores al realizar la operación. En caso de persistir,
        consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
End Select
End Sub

Private Sub DataGridView1_CellClick(sender As Object, e As
DataGridViewCellEventArgs) Handles DataGridView1.CellClick
    txtEnfermedadActual.Text =
    Convert.ToString(DataGridView1.Rows(e.RowIndex).Cells(0).Value.ToString())
End Sub

Private Sub cmdConsultar_Click(sender As Object, e As EventArgs) Handles
cmdConsultar.Click
    Dim i As New EntrevistaInicial
    i.ci = Val(txtCI.Text)
    i.fecha = frmEntrevistaInicial.dtpFecha.Value
    i.cn = cn
    Select Case i.buscardolor()
        Case 0 'Encontré
            frmPartesCuerpo.Show()
            frmPartesCuerpo.cmdIngresar.Enabled = False
            If i.boca = 1 Then
```




```
frmPartesCuerpo.cbBoca.Checked = True
Else
    frmPartesCuerpo.cbBoca.Checked = False
End If
If i.brazo = 1 Then
    frmPartesCuerpo.cbBrazo.Checked = True
Else
    frmPartesCuerpo.cbBrazo.Checked = False
End If
If i.cabeza = 1 Then
    frmPartesCuerpo.cbCabeza.Checked = True
Else
    frmPartesCuerpo.cbCabeza.Checked = False
End If
If i.cuello = 1 Then
    frmPartesCuerpo.cbCuello.Checked = True
Else
    frmPartesCuerpo.cbCuello.Checked = False
End If
If i.dedo = 1 Then
    frmPartesCuerpo.cbDedo.Checked = True
Else
    frmPartesCuerpo.cbDedo.Checked = False
End If
If i.espalda = 1 Then
    frmPartesCuerpo.cbEspalda.Checked = True
Else
    frmPartesCuerpo.cbEspalda.Checked = False
End If
```



```
If i.estomago = 1 Then
    frmPartesCuerpo.cbEstomago.Checked = True
Else
    frmPartesCuerpo.cbEstomago.Checked = False
End If

If i.frente = 1 Then
    frmPartesCuerpo.cbFrente.Checked = True
Else
    frmPartesCuerpo.cbFrente.Checked = False
End If

If i.garganta = 1 Then
    frmPartesCuerpo.cbGarganta.Checked = True
Else
    frmPartesCuerpo.cbGarganta.Checked = False
End If

If i.hombro = 1 Then
    frmPartesCuerpo.cbHombro.Checked = True
Else
    frmPartesCuerpo.cbHombro.Checked = False
End If

If i.mano = 1 Then
    frmPartesCuerpo.cbMano.Checked = True
Else
    frmPartesCuerpo.cbMano.Checked = False
End If

If i.muslo = 1 Then
    frmPartesCuerpo.cbMuslo.Checked = True
Else
    frmPartesCuerpo.cbMuslo.Checked = False
```



```
End If
If i.munieca = 1 Then
    frmPartesCuerpo.cbMunieca.Checked = True
Else
    frmPartesCuerpo.cbMunieca.Checked = False
End If
If i.nariz = 1 Then
    frmPartesCuerpo.cbNariz.Checked = True
Else
    frmPartesCuerpo.cbNariz.Checked = False
End If
If i.ojo = 1 Then
    frmPartesCuerpo.cbOjo.Checked = True
Else
    frmPartesCuerpo.cbOjo.Checked = False
End If
If i.oreja = 1 Then
    frmPartesCuerpo.cbOreja.Checked = True
Else
    frmPartesCuerpo.cbOreja.Checked = False
End If
If i.pantorrilla = 1 Then
    frmPartesCuerpo.cbPantorrilla.Checked = True
Else
    frmPartesCuerpo.cbPantorrilla.Checked = False
End If
If i.pecho = 1 Then
    frmPartesCuerpo.cbPecho.Checked = True
Else
```



```
        frmPartesCuerpo.cbPecho.Checked = False
    End If
    If i.pie = 1 Then
        frmPartesCuerpo.cbPie.Checked = True
    Else
        frmPartesCuerpo.cbPie.Checked = False
    End If
    If i.pierna = 1 Then
        frmPartesCuerpo.cbPierna.Checked = True
    Else
        frmPartesCuerpo.cbPierna.Checked = False
    End If
    If i.rodilla = 1 Then
        frmPartesCuerpo.cbRodilla.Checked = True
    Else
        frmPartesCuerpo.cbRodilla.Checked = False
    End If
    If i.tobillo = 1 Then
        frmPartesCuerpo.cbTobillo.Checked = True
    Else
        frmPartesCuerpo.cbTobillo.Checked = False
    End If
    If i.trasero = 1 Then
        frmPartesCuerpo.cbTrasero.Checked = True
    Else
        frmPartesCuerpo.cbTrasero.Checked = False
    End If
Case Else 'No encontré
```



MsgBox("Hubo errores al consultar las partes del cuerpo. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

End Sub

End Class





FrmPrincipal

Public Class frmPrincipal

Private Sub menuLogin_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles menuLogin.Click

 If cn.State = 0 Then

 frmLogin.MdiParent = Me

 frmLogin.Show()

 frmLogin.WindowState = FormWindowState.Maximized

 Else

 If MsgBox("¿Desea cerrar sesión?", MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

 cn.Close()

 frmLogin.MdiParent = Me

 frmLogin.Show()

 frmLogin.WindowState = FormWindowState.Maximized

 menuInformacion.Enabled = False

 menuFormularios.Enabled = False

 menuPersonalMedico.Enabled = False

 menuEntrevistaInicial.Enabled = False

 menuDiagnostico.Enabled = False

 menuIngTratamiento.Enabled = False

 FormularioToolStripMenuItem.Enabled = False

 InformaciónPacienteToolStripMenuItem.Enabled = False

 EntrevistaToolStripMenuItem.Enabled = False

 menuIngAnálisis.Enabled = False

 menuConsAnálisis.Enabled = False

 menuConsDiagnostico.Enabled = False

 menu_Consulta_Formularios.Enabled = False



```
DiagnosticosToolStripMenuItem.Enabled = False  
TratamientosToolStripMenuItem.Enabled = False  
AnalisisClínicosToolStripMenuItem.Enabled = False
```

```
End If
```

```
End If
```

```
End Sub
```

```
Private Sub menuFormularios_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles menuFormularios.Click
```

```
    frmABMFormulario.MdiParent = Me
```

```
    frmABMFormulario.Show()
```

```
    frmABMFormulario.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
Private Sub menuPersonalMedico_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles menuPersonalMedico.Click
```

```
    frmAdmPersonalMedico.MdiParent = Me
```

```
    frmAdmPersonalMedico.Show()
```

```
    frmAdmPersonalMedico.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
Private Sub menuEntrevistaInicial_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles menuEntrevistaInicial.Click
```

```
    frmEntrevistaInicial.MdiParent = Me
```

```
    frmEntrevistaInicial.Show()
```

```
    frmEntrevistaInicial.WindowState = FormWindowState.Maximized
```

```
End Sub
```




Private Sub menuDagnostico_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles menuDagnostico.Click

frmDagnostico.MdiParent = Me

frmDagnostico.Show()

frmDagnostico.WindowState = FormWindowState.Maximized

End Sub

Private Sub menuIngTratamiento_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles menuIngTratamiento.Click

frmTratamiento.MdiParent = Me

frmTratamiento.Show()

frmTratamiento.WindowState = FormWindowState.Maximized

End Sub

Private Sub menuIngAnalisis_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles menuIngAnalisis.Click

frmAnalisisClinico.MdiParent = Me

frmAnalisisClinico.Show()

frmAnalisisClinico.WindowState = FormWindowState.Maximized

End Sub

Private Sub menuIngDagnostico_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)

frmDagnostico.MdiParent = Me

frmDagnostico.Show()

frmDagnostico.WindowState = FormWindowState.Maximized

End Sub

Private Sub menuConsAnalisis_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles menuConsAnalisis.Click

frmConsultaAnalisis.MdiParent = Me



```
frmConsultaAnalisis.Show()
```

```
frmConsultaAnalisis.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
Private Sub menuConsDiagnostico_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles menuConsDiagnostico.Click
```

```
frmConsultaDiagnostico.MdiParent = Me
```

```
frmConsultaDiagnostico.Show()
```

```
frmConsultaDiagnostico.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
Private Sub DiagnosticosToolStripMenuItem_Click(sender As Object, e As  
EventArgs) Handles DiagnosticosToolStripMenuItem.Click
```

```
frmBMDiagnostico.MdiParent = Me
```

```
frmBMDiagnostico.Show()
```

```
frmBMDiagnostico.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
Private Sub TratamientosToolStripMenuItem_Click(sender As Object, e As  
EventArgs) Handles TratamientosToolStripMenuItem.Click
```

```
frmBMTratamiento.MdiParent = Me
```

```
frmBMTratamiento.Show()
```

```
frmBMTratamiento.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
Private Sub AnalisisClínicosToolStripMenuItem_Click(sender As Object, e As  
EventArgs) Handles AnalisisClínicosToolStripMenuItem.Click
```

```
frmBMA AnalisisClinico.MdiParent = Me
```

```
frmBMA AnalisisClinico.Show()
```

```
frmBMA AnalisisClinico.WindowState = FormWindowState.Maximized
```



End Sub

Private Sub menuCreditos_Click(sender As Object, e As EventArgs) Handles menuCreditos.Click

frmCreditos.MdiParent = Me

frmCreditos.Show()

frmCreditos.WindowState = FormWindowState.Maximized

End Sub

Private Sub frmPrincipal_Load(sender As Object, e As EventArgs) Handles MyBase.Load

frmLogin.MdiParent = Me

frmLogin.Show()

frmLogin.WindowState = FormWindowState.Maximized

menuInformacion.Enabled = False

InformaciónPacienteToolStripMenuItem.Enabled = False

menuFormularios.Enabled = False

FormularioToolStripMenuItem.Enabled = False

menu_Consulta_Formularios.Enabled = False

menuPersonalMedico.Enabled = False

menuEntrevistaInicial.Enabled = False

menuDiagnostico.Enabled = False

menuIngTratamiento.Enabled = False

menuIngAnálisis.Enabled = False

menuConsAnálisis.Enabled = False

menuConsDiagnostico.Enabled = False

DiagnosticosToolStripMenuItem.Enabled = False

TratamientosToolStripMenuItem.Enabled = False

AnálisisClínicosToolStripMenuItem.Enabled = False

EntrevistaToolStripMenuItem.Enabled = False



End Sub

Private Sub menuSalir_Click(sender As Object, e As EventArgs) Handles menuSalir.Click

 If cn.State = 0 Then

 Me.Close()

 Else

 cn.Close()

 Me.Close()

 End If

End Sub

Private Sub EntrevistaToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles EntrevistaToolStripMenuItem.Click

 frmConsultaEntInicial.MdiParent = Me

 frmConsultaEntInicial.Show()

 frmConsultaEntInicial.WindowState = FormWindowState.Maximized

End Sub

Private Sub AToolStripMenuItem_Click(ByVal sender As Object, ByVal e As EventArgs) Handles menu_Consulta_Formularios.Click

 frmConsultasFormulario.MdiParent = Me

 frmConsultasFormulario.Show()

 frmConsultasFormulario.WindowState = FormWindowState.Maximized

End Sub

Private Sub FormularioToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles FormularioToolStripMenuItem.Click

 frmFormulario.MdiParent = Me

 frmFormulario.Show()



```
frmFormulario.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
Private Sub PacientesToolStripMenuItem_Click(sender As Object, e As  
EventArgs) Handles menuInformacion.Click
```

```
    frmIngresoPacientes.MdiParent = Me
```

```
    frmIngresoPacientes.Show()
```

```
    frmIngresoPacientes.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
Private Sub InformaciónPacienteToolStripMenuItem_Click(sender As Object,  
e As EventArgs) Handles InformaciónPacienteToolStripMenuItem.Click
```

```
    frmConsultarPacientes.MdiParent = Me
```

```
    frmConsultarPacientes.Show()
```

```
    frmConsultarPacientes.WindowState = FormWindowState.Maximized
```

```
End Sub
```

```
End Class
```



frmTelefono

Public Class frmTelefono

Private Sub cmdAgregar_Click(sender As Object, e As EventArgs) Handles cmdAgregar.Click

Dim p As New Pacientes

p.ci = Val(frmIngresoPacientes.txtBCI.Text)

p.telefono = cbTelefono.Text

p.cn = cn

Select Case p.GuardarT(1)

Case 0

MsgBox("Teléfono ingresado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

cbTelefono.Items.Clear()

Dim lista2 As List(Of String)

lista2 = p.patelefono()

For Each Telefono In lista2

cbTelefono.Items.Add(Telefono)

Next

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al ingresar el teléfono. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

p = Nothing

End Sub

Private Sub cmdQuitar_Click(sender As Object, e As EventArgs) Handles cmdQuitar.Click

Dim p As New Pacientes



```
p.ci = Val(frmIngresoPacientes.txtBCI.Text)
p.telefono = cbTelefono.Text
p.cn = cn
Select Case p.EliminarT(1)
    Case 0
        MsgBox("Teléfono eliminado exitosamente.",
        MessageBoxIcon.Information, "S.I.BI.M - GSA")
        cbTelefono.Items.Clear()
        Dim lista2 As List(Of String)
        lista2 = p.patelefono()
        For Each Telefono In lista2
            cbTelefono.Items.Add(Telefono)
        Next
    Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
    Case Else : MsgBox("Hubo errores al eliminar el teléfono. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")
End Select
p = Nothing
End Sub
```

```
Private Sub cmdQuitar2_Click(sender As Object, e As EventArgs) Handles
cmdQuitar2.Click
```

```
    Dim p As New Pacientes
    p.ci = Val(frmAdmPersonalMedico.txtCI.Text)
    p.telefono = cbTelefono.Text
    p.cn = cn
    Select Case p.EliminarT(1)
        Case 0
```



```
MsgBox("Teléfono eliminado exitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
cbTelefono.Items.Clear()
```

```
Dim lista2 As List(Of String)
```

```
lista2 = p.patelefono()
```

```
For Each Telefono In lista2
```

```
    cbTelefono.Items.Add(Telefono)
```

```
Next
```

```
Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
Case Else : MsgBox("Hubo errores al eliminar el teléfono. En caso de  
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")
```

```
End Select
```

```
p = Nothing
```

```
End Sub
```

```
Private Sub cmdAgregar2_Click(sender As Object, e As EventArgs) Handles  
cmdAgregar2.Click
```

```
    Dim p As New Pacientes
```

```
    p.ci = Val(frmAdmPersonalMedico.txtCI.Text)
```

```
    p.telefono = cbTelefono.Text
```

```
    p.cn = cn
```

```
    Select Case p.GuardarT(1)
```

```
        Case 0
```

```
            MsgBox("Teléfono ingresado exitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
            cbTelefono.Items.Clear()
```

```
            Dim lista2 As List(Of String)
```

```
            lista2 = p.patelefono()
```

```
            For Each Telefono In lista2
```




```
cbTelefono.Items.Add(Telefono)
```

```
Next
```

```
Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
Case Else : MsgBox("Hubo errores al ingresar el teléfono. En caso de  
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")
```

```
End Select
```

```
p = Nothing
```

```
End Sub
```

```
Private Sub cbTelefono_KeyPress(sender As Object, e As  
KeyPressEventArgs) Handles cbTelefono.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
End Class
```



frmTratamiento

Public Class frmTratamiento

Private Sub cmdBuscarCI_Click(sender As Object, e As EventArgs) Handles cmdBuscar.Click

Dim t As New Tratamientos

t.ci = Val(txtCI.Text)

t.cn = cn

Select Case t.verifyci2()

Case 0 'Encontré

If t.estadoborradop = 1 Then

If MsgBox("El paciente se dió de baja, ¿Desaea darle de alta?",
MsgBoxStyle.YesNo, "S.I.BI.M - GSA") = MsgBoxResult.Yes Then

Select Case t.estadop()

Case 0

MsgBox("Paciente dado de alta exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

Case 1

MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else

MsgBox("Hubo errores al realizar el alta del paciente. En
caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error,
"S.I.BI.M - GSA")

End Select

End If

Else

If MsgBox("¿Desea ingresar los datos de un tratamiento
perteneciente a un paciente con C.I " & txtCI.Text) & "?", MsgBoxStyle.YesNo,
"S.I.BI.M - GSA") = MsgBoxResult.Yes Then

gbBuscar.Enabled = False

gbDatos.Enabled = True

gbDatos.Visible = True



End If

End If

Case 3 'No encontré

MsgBox("El paciente no existe, asegurese de que ingreso correctamente la CI.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al buscar el paciente. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

End Select

t = Nothing

End Sub

Private Sub cmdIngresar_Click(sender As Object, e As EventArgs) Handles cmdIngresar.Click

Dim t As New Tratamientos

t.ci = Val(txtCI.Text)

t.nombre = txtNombre.Text

t.fechainicio = dtpInicio.Text

t.fechafinal = dtpFinal.Text

t.descripcion = txtDescripción.Text

t.cn = cn

Select Case t.Guardar(1)

Case 0

t.ci = txtCI.Text

t.nombre = txtNombre.Text

t.fechainicio = dtpInicio.Text

t.fechafinal = dtpFinal.Text

t.descripcion = txtDescripción.Text



```
MsgBox("Tratamiento ingresado exitosamente.",  
MessageBoxIcon.Information, "S.I.BI.M - GSA")
```

```
Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse  
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
Case Else : MsgBox("Hubo errores al ingresar el tratamiento. En caso  
de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -  
GSA")
```

```
End Select
```

```
t = Nothing
```

```
End Sub
```

```
Private Sub frmTratamiento_Leave(sender As Object, e As EventArgs)  
Handles Me.Leave
```

```
Me.Close()
```

```
End Sub
```

```
Private Sub frmTratamiento_Load(sender As Object, e As EventArgs)  
Handles MyBase.Load
```

```
dtplInicio.Format = DateTimePickerFormat.Custom
```

```
dtplInicio.CustomFormat = "yyyy/MM/dd HH:mm:ss"
```

```
dtplFinal.Format = DateTimePickerFormat.Custom
```

```
dtplFinal.CustomFormat = "yyyy/MM/dd HH:mm:ss"
```

```
End Sub
```

```
Private Sub cmdCancelar_Click(sender As Object, e As EventArgs) Handles  
cmdCancelar.Click
```

```
txtNombre.Clear()
```

```
dtplFinal.ResetText()
```

```
dtplInicio.ResetText()
```

```
txtDescripción.Clear()
```

```
gbBuscar.Enabled = True
```



```
gbDatos.Visible = False
```

```
End Sub
```

```
Private Sub txtCI_KeyPress(sender As Object, e As KeyPressEventArgs)  
Handles txtCI.KeyPress
```

```
    permitirNumerosSE(e)
```

```
End Sub
```

```
Private Sub dtpInicio_ValueChanged(sender As Object, e As EventArgs)  
Handles dtpInicio.ValueChanged
```

```
    If dtpInicio.Value > Now Then
```

```
        MsgBox("Error, no se permite ingresar una fecha mayor a la fecha  
actual.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
        dtpInicio.ResetText()
```

```
    End If
```

```
End Sub
```

```
Private Sub dtpFinal_ValueChanged(sender As Object, e As EventArgs)  
Handles dtpFinal.ValueChanged
```

```
    If dtpFinal.Value < dtpInicio.Value Then
```

```
        MsgBox("Error, no se permite ingresar una fecha final que sea menor a  
la fecha inicial.", MessageBoxIcon.Error, "S.I.BI.M - GSA")
```

```
        dtpFinal.ResetText()
```

```
    End If
```

```
    If dtpFinal.Value = ("31/12/9998") Then
```

```
        cbFechaFinal.Checked = True
```

```
    Else
```

```
        cbFechaFinal.Checked = False
```

```
    End If
```

```
End Sub
```



Private Sub cbFechaFinal_CheckedChanged(sender As Object, e As EventArgs) Handles cbFechaFinal.CheckedChanged

 If cbFechaFinal.Checked = True Then

 dtpFinal.Value = "9998-12-31 00:00:00"

 dtpFinal.Enabled = False

 dtpFinal.Visible = False

 txtNula.Visible = True

 Else

 txtNula.Visible = False

 dtpFinal.ResetText()

 dtpFinal.Visible = True

 dtpFinal.Enabled = True

 End If

End Sub

End Class



frmUsuario

Public Class frmUsuario

Private Sub txtContrasena_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtContrasena.KeyPress

 If Char.IsSeparator(e.KeyChar) Then

 e.Handled = True

 MessageBox.Show("No se permite ingresar una contraseña con espacios.", "ADVERTENCIA - S.I.BI.M - GSA")

 Else

 e.Handled = False

 End If

End Sub

Private Sub txtContrasena_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtContrasena.TextChanged

 If txtContrasena.Text.Length < 8 Then

 lblContraseniaMSG.Visible = True

 cmdIngresar.Enabled = False

 cmdIngresarM.Enabled = False

 Elseif txtContrasena.Text.Length > 24 Then

 lblContraseniaMSG.Visible = True

 cmdIngresar.Enabled = False

 cmdIngresarM.Enabled = False

 Else

 lblContraseniaMSG.Visible = False

 If lblCContrasena.Visible = False And lblUsuarioMSG.Visible = False
Then

 cmdIngresar.Enabled = True



```
cmdIngresarM.Enabled = True
End If
End If
End Sub

Private Sub txtCContrasena_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles
txtCContrasena.KeyPress
    If Char.IsSeparator(e.KeyChar) Then
        e.Handled = True
        MessageBox.Show("No se permite ingresar una contraseña con
espacios.", "ADVERTENCIA - S.I.BI.M - GSA")
    Else
        e.Handled = False
    End If
End Sub

Private Sub txtCContrasena_TextChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles txtCContrasena.TextChanged
    If txtContrasena.Text.Equals(txtCContrasena.Text) Then
        lblCContrasena.Visible = False
        If lblContraseniaMSG.Visible = False And lblUsuarioMSG.Visible =
False Then
            cmdIngresar.Enabled = True
            cmdIngresarM.Enabled = True
        End If
    Else
        lblCContrasena.Visible = True
        cmdIngresar.Enabled = False
        cmdIngresarM.Enabled = False
    End If
```




End Sub

Private Sub cmdIngresar_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles cmdIngresar.Click

Dim p As New Pacientes

p.usuario = txtUsuario.Text

p.contrasena = txtContrasena.Text

p.ci = Val(frmIngresoPacientes.txtBCI.Text)

p.cn = cn

Select Case p.adduser(1)

Case 0

MsgBox("Usuario ingresado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

frmIngresoPacientes.Enabled = True

frmPaciente.Enabled = True

Me.Close()

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al ingresar el usuario. En caso de
persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
GSA")

End Select

p = Nothing

End Sub

Private Sub txtUsuario_KeyPress(sender As Object, e As
KeyPressEventArgs) Handles txtUsuario.KeyPress

If Char.IsSeparator(e.KeyChar) Then

e.Handled = True

MessageBox.Show("No se permite ingresar un usuario con espacios.",
"ADVERTENCIA - S.I.BI.M - GSA")



Else

e.Handled = False

End If

End Sub

Private Sub cmdIngresarM_Click(sender As Object, e As EventArgs) Handles cmdIngresarM.Click

Dim m As New PersonalMedico

m.usuario = txtUsuario.Text

m.contrasena = txtContrasena.Text

m.ci = Val(frmAdmPersonalMedico.txtCI.Text)

m.cn = cn

If rbAuxiliarMedico.Checked = False And rbMedico.Checked = False Then

MsgBox("Debe seleccionar el tipo de usuario. (Médico o Auxiliar)",
MessageBoxIcon.Warning, "S.I.BI.M - GSA")

Else

If rbMedico.Checked = True Then

Select Case m.addusermed(1)

Case 0

MsgBox("Usuario ingresado exitosamente.",
MessageBoxIcon.Information, "S.I.BI.M - GSA")

frmAdmPersonalMedico.Enabled = True

frmAdmPersonalMedico.rbMedico.Checked = True

frmMedico.rbMedico.Checked = True

frmMedico.Enabled = True

Me.Close()

Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

Case Else : MsgBox("Hubo errores al ingresar el usuario. En caso de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M - GSA")



```
End Select

ElseIf rbAuxiliarMedico.Checked = True Then
    Select Case m.adduseraux(1)
        Case 0
            MsgBox("Usuario ingresado exitosamente.",
                MessageBoxIcon.Information, "S.I.BI.M - GSA")

            frmAdmPersonalMedico.Enabled = True
            frmAdmPersonalMedico.rbAuxiliarMedico.Checked = True
            frmMedico.rbMedico.Checked = True
            frmMedico.Enabled = True
            Me.Close()

            Case 1 : MsgBox("Se ha perdido la sesión. Debe loguearse
                nuevamente.", MessageBoxIcon.Error, "S.I.BI.M - GSA")

            Case Else : MsgBox("Hubo errores al ingresar el usuario. En caso
                de persistir, consulte al adm. del sistema.", MessageBoxIcon.Error, "S.I.BI.M -
                GSA")

        End Select
    End If
End If

m = Nothing

End Sub
```

```
Private Sub txtUsuario_TextChanged(sender As Object, e As EventArgs)
    Handles txtUsuario.TextChanged
```

```
    If txtUsuario.Text.Length < 4 Then
        lblUsuarioMSG.Visible = True
        cmdIngresar.Enabled = False
        cmdIngresarM.Enabled = False
    ElseIf txtUsuario.Text.Length > 16 Then
        lblUsuarioMSG.Visible = True
        cmdIngresar.Enabled = False
```



```
cmdIngresarM.Enabled = False
Else
    lblUsuarioMSG.Visible = False
    If lblContraseniaMSG.Visible = False And lblCContrasena.Visible =
False Then
        cmdIngresar.Enabled = True
        cmdIngresarM.Enabled = True
    Else
        cmdIngresar.Enabled = False
        cmdIngresarM.Enabled = False
    End If
End If
End Sub
End Class
```



4) Usuarios y claves del sistema:

Usuario: GSA_Pac

Clave: GSAPaciente

Usuario: GSA_Adm

Clave: GSAAministrador

Usuario: GSA_Aux

Clave: GSAAuxiliar

Usuario: GSA_Med

Clave: GSAMedico



Bibliografía

Apuntes de clase, profesor Renzo Bazzano