

ABOUT BOX

```
Public NotInheritable Class AboutBox
```

```
    Private Sub AboutBox_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        ' Set the title of the form.
        Dim ApplicationTitle As String
```

```
        If My.Application.Info.Title <> "" Then
            ApplicationTitle = My.Application.Info.Title
        Else
            ApplicationTitle = System.IO.Path.GetFileNameWithoutExtension(My.Application.Info.AssemblyName)
        End If
```

```
        Me.Text = String.Format("About {0}", ApplicationTitle)
        ' Initialize all of the text displayed on the About Box.
        ' TODO: Customize the application's assembly information in the "Application" pane of the project
        ' properties dialog (under the "Project" menu).
```

```
        Me.LabelProductName.Text = My.Application.Info.ProductName
        Me.LabelVersion.Text = String.Format("Version {0}", My.Application.Info.Version.ToString)
        Me.LabelCopyright.Text = My.Application.Info.Copyright
        Me.LabelCompanyName.Text = My.Application.Info.CompanyName
        Me.TextBoxDescription.Text = My.Application.Info.Description
    End Sub
```

```
    Private Sub OKButton_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles OKButton.Click
        Me.Close()
    End Sub
```

```
    Private isMouseDown As Boolean = False
    Private mouseOffset As Point
```

```
    Private Sub AboutBox_MouseDown(sender As Object,
```

```
e As MouseEventArgs) Handles MyBase.MouseDown
        If e.Button = Windows.Forms.MouseButtons.Left Then
            mouseOffset = New Point(-e.X, -e.Y)
            isMouseDown = True
        End If
    End Sub
```

```
    Private Sub AboutBox_MouseMove(sender As Object, e As MouseEventArgs) Handles MyBase.MouseMove
        If isMouseDown Then
            Dim mousePos As Point = Control.MousePosition
```

```
            mousePos.Offset(mouseOffset.X, mouseOffset.Y)
            Me.Location = mousePos
        End If
    End Sub
```

```
    Private Sub AboutBox_MouseUp(sender As Object, e As MouseEventArgs) Handles MyBase.MouseUp
        If e.Button = Windows.Forms.MouseButtons.Left Then
            isMouseDown = False
        End If
    End Sub
```

```
End Class
```

ADDITION

```
Public Class Addition
```

```
    Dim NotifyIcon1 As Object
```

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

```
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim current As Integer
        connection = "Data Source=BERMUNDO-PC;Initial Catalog=SystemDB;Integrated Security=True"
```

```

        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT
MAX(hosind) AS HighestValue FROM
patient WHERE hosind LIKE '" +
Year(Now).ToString + "%';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                If reader.IsDBNull(0)
= True Then
                    current =
CInt(Year(Now).ToString + "000000")
                    ElseIf
reader.IsDBNull(0) = False Then
                        current =
reader.GetInt32(0)
                    End If
                End While
                Label2.Text = current + 1
                sqlcon.Close()
            Catch ex As SqlException

MessageBox.Show(ex.Message)
            End Try
        End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim gender As Integer
    Dim mstatus As Integer
    Dim hosind As Integer
    Dim month As String
    Dim days As String
    Dim penalty As Boolean =
False
    Dim admit As DialogResult
    Dim result As DialogResult
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
        Try
            If RadioButton1.Checked()
Then
                gender = 1

```

```

                ElseIf
RadioButton2.Checked() Then
                    gender = 0
                End If
            If RadioButton5.Checked()
Then
                mstatus = 2
            ElseIf
RadioButton6.Checked() Then
                mstatus = 1
            ElseIf
RadioButton7.Checked() Then
                mstatus = 0
            End If
            If
ComboBox1.SelectedIndex < 9 Then
                month = "0" +
CStr(ComboBox1.SelectedIndex + 1)
            ElseIf
ComboBox1.SelectedIndex > 8 Then
                month =
CStr(ComboBox1.SelectedIndex + 1)
            End If
            If
ComboBox2.SelectedIndex < 9 Then
                days = "0" +
ComboBox2.Text
            ElseIf
ComboBox2.SelectedIndex > 8 Then
                days = ComboBox2.Text
            End If
            sqlcon.Open()
            query = "SELECT
patient.hosind FROM record JOIN
patient ON
record.hosind=patient.hosind WHERE
patient.fname='" + TextBox1.Text + "'
AND patient.mname='" + TextBox2.Text
+ "'" AND patient.sname='" +
TextBox3.Text + "'" AND
patient.birthdate='" + ComboBox3.Text
+ "-" + month + "-" + days + "'" AND
record.disposition='6';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                hosind =
reader.GetInt32(0)
                penalty = True
            End While
            sqlcon.Close()
            sqlcon.Open()
            result =
MessageBox.Show("Are the informations
above correct? Do you want this
patient information to be saved?",

```

```

"Addition Confirmation",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
        Select Case result
            Case DialogResult.Yes
                Select Case
                    penalty
                        Case True
                            admit =
                                MessageBox.Show("Patient was found in
                                the absconded list with index " +
                                hosind.ToString + ". Do you still
                                want to save this patient?",
                                "Absconded Patient Found",
                                MessageBoxButtons.YesNo,
                                MessageBoxIcon.Warning)
                                Select
                                    Case admit
                                        Case
                                            DialogResult.Yes
                                                NotifyIcon1 = Admin.NotifyIcon1
                                                NotifyIcon1.BalloonTipIcon =
                                                    ToolTipIcon.Info
                                                NotifyIcon1.BalloonTipText = "New
                                                patient has been saved."
                                                NotifyIcon1.BalloonTipTitle =
                                                    "Patient Registered"
                                                NotifyIcon1.ShowBalloonTip(3000)
                                                query = "INSERT INTO patient (hosind,
                                                fname, mname, sname, birthdate,
                                                gender, address, mstatus, contact)
                                                VALUES ('" + Label2.Text + "', '" +
                                                TextBox1.Text + "', '" +
                                                TextBox2.Text + "', '" +
                                                TextBox3.Text + "', '" +
                                                ComboBox3.Text + "-" + month + "-" +
                                                days + "', '" + gender.ToString + "',
                                                '" + TextBox4.Text + "', '" +
                                                mstatus.ToString + "', '" +
                                                TextBox5.Text + "');"
                                                command = New SqlCommand(query,
                                                sqlcon)
                                                reader = command.ExecuteReader()
                                                result = MessageBox.Show("New record
                                                has been saved. Do you want to admit
                                                this patient?", "Admission Message",
                                                MessageBoxButtons.YesNo,
                                                MessageBoxIcon.Question)

```

```

Select Case result
    Case DialogResult.Yes
        indextmp = CInt(Label2.Text)
        Me.Close()
        Admission.Show()
        Case DialogResult.No
            Me.Close()
            Admin.Show()
        End Select
    Case
        DialogResult.No
            result = MessageBox.Show("Patient was
            found in the absconded list. Do you
            still want to admit this patient with
            index " + hosind.ToString + "?",
            "Admission Message",
            MessageBoxButtons.YesNo,
            MessageBoxIcon.Warning)
            Select Case result
                Case DialogResult.Yes
                    indextmp = hosind
                    Me.Close()
                    Admission.Show()
                    Case DialogResult.No
                        Me.Close()
                        Admin.Show()
                    End Select
            End
        Case False
            NotifyIcon1 = Admin.NotifyIcon1
            NotifyIcon1.BalloonTipIcon =
                ToolTipIcon.Info
            NotifyIcon1.BalloonTipText = "New
            patient has been saved."

```

```

NotifyIcon1.BalloonTipTitle =
"Patient Registered"

NotifyIcon1.ShowBalloonTip(3000)
        query =
"INSERT INTO patient (hosind, fname,
mname, sname, birthdate, gender,
address, mstatus, contact) VALUES ('"
+ Label2.Text + "', '" +
TextBox1.Text + "', '" +
TextBox2.Text + "', '" +
TextBox3.Text + "', '" +
ComboBox3.Text + "-" + month + "-" +
days + "', '" + gender.ToString + "',
'" + TextBox4.Text + "', '" +
mstatus.ToString + "', '" +
TextBox5.Text + "');"
        command =
New SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        result =
MessageBox.Show("New record has been
saved. Do you want to admit this
patient?", "Admission Message",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)

        Select
        Case result
        Case
        DialogResult.Yes

        indextmp = CInt(Label2.Text)

        Me.Close()

        Admission.Show()
        Case
        DialogResult.No

        Me.Close()

        Admin.Show()

        End
        Select
        End Select
        sqlcon.Close()
        Catch ex As SqlException

        MessageBox.Show(ex.Message)
        End Try
        End Sub

        Private isMouseDown As Boolean =
False
        Private mouseOffset As Point

```

```

        Private Sub
Addition_MouseDown(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseDown
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            mouseOffset = New Point(-
e.X, -e.Y)
            isMouseDown = True
        End If
        End Sub

        Private Sub
Addition_MouseMove(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseMove
        If isMouseDown Then
            Dim mousePos As Point =
Control.MousePosition

            mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
            Me.Location = mousePos
        End If
        End Sub

        Private Sub
Addition_MouseUp(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseUp
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            isMouseDown = False
        End If
        End Sub

        Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
            Me.Close()
        End Sub

        End Class

```

ADMIN

```

Imports System.Data.SqlClient
Public Class Admin

        Private Sub Admin_Load(sender As
Object, e As EventArgs) Handles
MyBase.Load
            Dim connection As String
            Dim sqlcon As SqlConnection
            Dim command As SqlCommand

```

```

Dim reader As SqlDataReader
Dim query As String
Dim length As Integer
Dim height As Integer
Dim list As ListViewItem
connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
sqlcon = New
SqlConnection(connection)
Try
    Label1.Text =
Date.Now().ToString("MMMM dd, yyyy")
    Label2.Text =
Date.Now().ToString("hh:mm:ss tt")
    Timer1.Start()
    Timer2.Start()
    sqlcon.Open()
    query = "UPDATE accounts
SET accounts.status='True' WHERE
accounts.username='" + details(0) +
"' AND accounts.password='" +
details(1) + "';"
    command = New
SqlCommand(query, sqlcon)
    reader =
command.ExecuteReader()
    sqlcon.Close()
    ListView1.Items.Clear()
    sqlcon.Open()
    query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomid, room.roombed,
record.diagnosis, physician.fname,
physician.mname, physician.sname,
record.datead, record.timead,
room.approve FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
record.mdnum=physician.mdnum WHERE
record.disposition IS NULL;"
    command = New
SqlCommand(query, sqlcon)
    reader =
command.ExecuteReader()
    While reader.Read()
        list = New
ListViewItem(reader.GetInt32(0))
list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +

```

```

reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))
        Select Case
reader.GetInt32(5)
            Case 0 :
list.Group =
ListView1.Groups("ListViewGroup1")
            Case 1 :
list.Group =
ListView1.Groups("ListViewGroup2")
            Case 2 :
list.Group =
ListView1.Groups("ListViewGroup3")
            Case 3 :
list.Group =
ListView1.Groups("ListViewGroup4")
        End Select

list.SubItems.Add(reader.GetString(6)
+ "-" + reader.GetInt32(7).ToString)

list.SubItems.Add(reader.GetString(8)
)

list.SubItems.Add(reader.GetString(9)
+ " " +
reader.GetString(10).Substring(0, 1)
+ ". " + reader.GetString(11))

list.SubItems.Add(reader.GetString(12)
))

list.SubItems.Add(reader.GetString(13)
))

        length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(12))).TotalDays

list.SubItems.Add(length)

list.SubItems.Add(reader.GetBoolean(1
4))

ListView1.Items.Add(list)
        height =
ListView1.Items.Count
        If height > 15 Then

ColumnHeader3.Width = 145

ColumnHeader5.Width = 99

ColumnHeader21.Width = 145
        ElseIf height < 16
Then

ColumnHeader3.Width = 150

```

```

ColumnHeader5.Width = 106

ColumnHeader21.Width = 150
    End If
    counter(0) =
counter(0) + 1
    End While
    sqlcon.Close()
    sqlcon.Open()
    query = "SELECT
room.casenum, patient.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomno FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind WHERE
room.casenum IS NOT NULL AND
record.status='True' AND
room.approve='False';"
    command = New
SqlCommand(query, sqlcon)
    reader =
command.ExecuteReader()
    While reader.Read()
        counter(1) =
counter(1) + 1
    End While
    sqlcon.Close()
    sqlcon.Open()
    query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomno,
record.diagnosis, record.datead,
room.category FROM room JOIN record
ON record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
record.status='False' AND
record.disposition IS NULL"
    command = New
SqlCommand(query, sqlcon)
    reader =
command.ExecuteReader()
    While reader.Read()
        counter(2) =
counter(2) + 1
    End While
    TextBox5.Text =
counter(0)
    TextBox2.Text =
counter(1)
    TextBox3.Text =
counter(2)

```

```

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

NotifyIcon1.BalloonTipText = "Welcome
Administrator!"

NotifyIcon1.BalloonTipTitle = "Login
Successful"

NotifyIcon1.ShowBalloonTip(3000)
    Catch ex As SqlException

MessageBox.Show(ex.Message)
    End Try
    End Sub

Private Sub Button4_Click(sender
As Object, e As EventArgs) Handles
Button4.Click
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim result As DialogResult
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        result =
MessageBox.Show("Are you sure to
logout your account now?", "Logout
Confirmation",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
        Select Case result
            Case DialogResult.Yes
                sqlcon.Open()
                query = "UPDATE
accounts SET accounts.status='False'
WHERE accounts.username='" +
details(0) + "' AND
accounts.password='" + details(1) +
"'"
                command = New
SqlCommand(query, sqlcon)
                reader =
command.ExecuteReader()
                sqlcon.Close()
                Me.Close()
                Login.Show()
        End Select
    Catch ex As SqlException

```

```

    MessageBox.Show(ex.Message)
    End Try
    End Sub

    Private Sub Button1_Click(sender
    As Object, e As EventArgs) Handles
    Button1.Click
        Me.SendToBack()
        Rooms.Show()
    End Sub

    Private Sub Button5_Click(sender
    As Object, e As EventArgs) Handles
    Button5.Click
        Dim result As DialogResult
        result =
    MessageBox.Show("Will you admit an
    old patient of the hospital?",
    "Patient Confirmation",
    MessageBoxButtons.YesNoCancel,
    MessageBoxIcon.Question)
        Select Case result
            Case DialogResult.Yes
                Me.SendToBack()
                Index.Show()
            Case DialogResult.No
                Me.SendToBack()
                Addition.Show()
        End Select
    End Sub

    Private Sub Button9_Click(sender
    As Object, e As EventArgs) Handles
    Button9.Click
        Me.SendToBack()
        Addition.Show()
    End Sub

    Private Sub Button7_Click(sender
    As Object, e As EventArgs) Handles
    Button7.Click
        Me.SendToBack()
        Discharge.Show()
    End Sub

    Private Sub Button3_Click(sender
    As Object, e As EventArgs) Handles
    Button3.Click
        Me.SendToBack()
        Search.Show()
    End Sub

    Private isMouseDown As Boolean =
    False
    Private mouseOffset As Point

```

```

    Private Sub
    Admin_MouseDown(sender As Object, e
    As MouseEventArgs) Handles
    MyBase.MouseDown
        If e.Button =
    Windows.Forms.MouseButtons.Left Then
            mouseOffset = New Point(-
    e.X, -e.Y)
            isMouseDown = True
        End If
    End Sub

    Private Sub
    Admin_MouseMove(sender As Object, e
    As MouseEventArgs) Handles
    MyBase.MouseMove
        If isMouseDown Then
            Dim mousePos As Point =
    Control.MousePosition
            mousePos.Offset(mouseOffset.X,
    mouseOffset.Y)
            Me.Location = mousePos
        End If
    End Sub

    Private Sub Admin_MouseUp(sender
    As Object, e As MouseEventArgs)
    Handles MyBase.MouseUp
        If e.Button =
    Windows.Forms.MouseButtons.Left Then
            isMouseDown = False
        End If
    End Sub

    Private Sub Timer1_Tick(sender As
    Object, e As EventArgs) Handles
    Timer1.Tick
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim length As Integer
        Dim height As Integer
        Dim tmpcnt() As Integer = {0,
    0, 0}
        Dim list As ListViewItem
        connection = "Data
    Source=BERMUNDO-PC;Initial
    Catalog=SystemDB;Integrated
    Security=True"
        sqlcon = New
    SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT
    record.casenum, record.hosind,

```

```

patient.fname, patient.mname,
patient.sname, room.category,
room.roomno, record.diagnosis,
physician.fname, physician.mname,
physician.sname, record.datead,
record.timead, room.approve FROM room
JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
record.mdnum=physician.mdnum WHERE
record.disposition IS NULL;"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            tmpcnt(0) = tmpcnt(0)
+ 1
            End While
            sqlcon.Close()
            If tmpcnt(0) <>
counter(0) Then
                counter(0) =
tmpcnt(0)

ListView1.Items.Clear()
            sqlcon.Open()
            query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomid, room.roombed,
record.diagnosis, physician.fname,
physician.mname, physician.sname,
record.datead, record.timead,
room.approve FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
record.mdnum=physician.mdnum WHERE
record.disposition IS NULL;"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

```

```

Select Case
reader.GetInt32(5)
        Case 0 :
list.Group =
ListView1.Groups("ListViewGroup1")
        Case 1 :
list.Group =
ListView1.Groups("ListViewGroup2")
        Case 2 :
list.Group =
ListView1.Groups("ListViewGroup3")
        Case 3 :
list.Group =
ListView1.Groups("ListViewGroup4")
        End Select

list.SubItems.Add(reader.GetString(6)
+ "-" + reader.GetInt32(7).ToString)

list.SubItems.Add(reader.GetString(8)
)

list.SubItems.Add(reader.GetString(9)
+ " " +
reader.GetString(10).Substring(0, 1)
+ ". " + reader.GetString(11))

list.SubItems.Add(reader.GetString(12)
))

list.SubItems.Add(reader.GetString(13)
))

        length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(12))).TotalDays

list.SubItems.Add(length)

list.SubItems.Add(reader.GetBoolean(1
4))

ListView1.Items.Add(list)
        TextBox5.Text =
counter(0)

        End While
        height =
ListView1.Items.Count
        If height > 15 Then

ColumnHeader3.Width = 145

ColumnHeader5.Width = 99

ColumnHeader21.Width = 145
        ElseIf height < 16
Then

ColumnHeader3.Width = 150

```



```

ColumnHeader5.Width = 106

ColumnHeader21.Width = 150
    End If
    sqlcon.Close()
End If
sqlcon.Open()
query = "SELECT
room.casenum, patient.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomno FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind WHERE
room.casenum IS NOT NULL AND
record.status='True' AND
room.approve='False';"
command = New
SqlCommand(query, sqlcon)
reader =
command.ExecuteReader()
While reader.Read()
    tmpcnt(1) = tmpcnt(1)
+ 1
End While
If tmpcnt(1) <>
counter(1) Then
    TextBox2.Text =
tmpcnt(1)
    counter(1) =
tmpcnt(1)
End If
sqlcon.Close()
sqlcon.Open()
query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomno,
record.diagnosis, record.datead,
room.category FROM room JOIN record
ON record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
record.status='False' AND
record.disposition IS NULL"
command = New
SqlCommand(query, sqlcon)
reader =
command.ExecuteReader()
While reader.Read()
    tmpcnt(2) = tmpcnt(2)
+ 1
End While
If tmpcnt(2) > counter(2)
Then

```

```

    TextBox3.Text =
tmpcnt(2)
    counter(2) =
tmpcnt(2)

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

NotifyIcon1.BalloonTipText = "New
patient has been added to pending
discharge."

NotifyIcon1.BalloonTipTitle =
"Pending Information"

NotifyIcon1.ShowBalloonTip(3000)
    ElseIf tmpcnt(2) <
counter(2) Then
        counter(2) =
tmpcnt(2)
        TextBox3.Text =
tmpcnt(2)
    End If
    sqlcon.Close()
Catch ex As SqlException

MessageBox.Show(ex.Message)
End Try
End Sub

Private Sub
TextBox1_TextChanged(sender As
Object, e As EventArgs) Handles
TextBox1.TextChanged
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim length As Integer
    Dim height As Integer
    Dim list As ListViewItem
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        If TextBox1.Text <> ""
Then
            Timer1.Stop()
        ElseIf TextBox1.Text = ""
Then
            Timer1.Start()
        End If
        ListView1.Items.Clear()
        sqlcon.Open()

```

```

        query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomid, room.roombed,
record.diagnosis, physician.fname,
physician.mname, physician.sname,
record.datead, record.timead,
room.approve FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
record.mdnum=physician.mdnum WHERE
record.disposition IS NULL AND
(record.casenum LIKE '%" +
TextBox1.Text + "%' OR record.hosind
LIKE '%" + TextBox1.Text + "%' OR
patient.fname LIKE '%" +
TextBox1.Text + "%' OR patient.mname
LIKE '%" + TextBox1.Text + "%' OR
patient.sname LIKE '%" +
TextBox1.Text + "%' OR
physician.fname LIKE '%" +
TextBox1.Text + "%' OR
physician.mname LIKE '%" +
TextBox1.Text + "%' OR
physician.sname LIKE '%" +
TextBox1.Text + "%' OR
record.diagnosis LIKE '%" +
TextBox1.Text + "%');"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))
            Select Case
reader.GetInt32(5)
                Case 0 :
list.Group =
ListView1.Groups("ListViewGroup1")
                Case 1 :
list.Group =
ListView1.Groups("ListViewGroup2")
                Case 2 :
list.Group =
ListView1.Groups("ListViewGroup3")

```

```

Case 3 :
list.Group =
ListView1.Groups("ListViewGroup4")
End Select

list.SubItems.Add(reader.GetString(6)
+ "-" + reader.GetInt32(7).ToString)

list.SubItems.Add(reader.GetString(8)
)

list.SubItems.Add(reader.GetString(9)
+ " " +
reader.GetString(10).Substring(0, 1)
+ ". " + reader.GetString(11))

list.SubItems.Add(reader.GetString(12)
))

list.SubItems.Add(reader.GetString(13)
))

        length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(12))).TotalDays

list.SubItems.Add(length)

list.SubItems.Add(reader.GetBoolean(1
4))

ListView1.Items.Add(list)
        height =
ListView1.Items.Count
        If height > 15 Then

ColumnHeader3.Width = 145

ColumnHeader5.Width = 99

ColumnHeader21.Width = 145
        ElseIf height < 16
Then

ColumnHeader3.Width = 150

ColumnHeader5.Width = 106

ColumnHeader21.Width = 150
        End If
        End While
        sqlcon.Close()
Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
End Sub

```

```

Private Sub Timer2_Tick(sender As
Object, e As EventArgs) Handles
Timer2.Tick
    Label12.Text =
Date.Now().ToString("hh:mm:ss tt")
End Sub

```

```

Private Sub
TextBox2_TextChanged(sender As
Object, e As EventArgs) Handles
TextBox2.TextChanged
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim length As Integer
    Dim height As Integer
    Dim list As ListViewItem
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    If TextBox2.Text < counter(1)
Then
        ListView1.Items.Clear()
        sqlcon.Open()
        query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomid, room.roombed,
record.diagnosis, physician.fname,
physician.mname, physician.sname,
record.datead, record.timead,
room.approve FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
record.mdnum=physician.mdnum WHERE
record.disposition IS NULL;"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetInt32(0))
list.SubItems.Add(reader.GetInt32(1))
list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

```

```

Select Case
reader.GetInt32(5)
    Case 0 :
        list.Group =
ListView1.Groups("ListViewGroup1")
    Case 1 :
        list.Group =
ListView1.Groups("ListViewGroup2")
    Case 2 :
        list.Group =
ListView1.Groups("ListViewGroup3")
    Case 3 :
        list.Group =
ListView1.Groups("ListViewGroup4")
End Select

list.SubItems.Add(reader.GetString(6)
+ "-" + reader.GetInt32(7).ToString)

list.SubItems.Add(reader.GetString(8)
)

list.SubItems.Add(reader.GetString(9)
+ " " +
reader.GetString(10).Substring(0, 1)
+ ". " + reader.GetString(11))

list.SubItems.Add(reader.GetString(12)
))

list.SubItems.Add(reader.GetString(13)
))

        length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(12))).TotalDays

list.SubItems.Add(length)

list.SubItems.Add(reader.GetBoolean(1
4))

ListView1.Items.Add(list)
End While
height =
ListView1.Items.Count
If height > 15 Then
    ColumnHeader3.Width =
145
    ColumnHeader5.Width =
99
    ColumnHeader21.Width
= 145
ElseIf height < 16 Then
    ColumnHeader3.Width =
150
    ColumnHeader5.Width =
106

```

```

        ColumnHeader21.Width
= 150
        End If
        sqlcon.Close()
    End If
End Sub

Private Sub
TextBox3_TextChanged(sender As
Object, e As EventArgs) Handles
TextBox3.TextChanged
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim length As Integer
    Dim height As Integer
    Dim list As ListViewItem
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    If TextBox3.Text > counter(2)
Then
        ListView1.Items.Clear()
        sqlcon.Open()
        query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomid, room.roombed,
record.diagnosis, physician.fname,
physician.mname, physician.sname,
record.datead, record.timead,
room.approve FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
record.mdnum=physician.mdnum WHERE
record.disposition IS NULL;"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

```

```

        Select Case
reader.GetInt32(5)
            Case 0 :
list.Group =
ListView1.Groups("ListViewGroup1")
            Case 1 :
list.Group =
ListView1.Groups("ListViewGroup2")
            Case 2 :
list.Group =
ListView1.Groups("ListViewGroup3")
            Case 3 :
list.Group =
ListView1.Groups("ListViewGroup4")
        End Select

list.SubItems.Add(reader.GetString(6)
+ "-" + reader.GetInt32(7).ToString)

list.SubItems.Add(reader.GetString(8)
)

list.SubItems.Add(reader.GetString(9)
+ " " +
reader.GetString(10).Substring(0, 1)
+ ". " + reader.GetString(11))

list.SubItems.Add(reader.GetString(12
))

list.SubItems.Add(reader.GetString(13
))

        length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(12))).TotalDays

list.SubItems.Add(length)

list.SubItems.Add(reader.GetBoolean(1
4))

ListView1.Items.Add(list)
    End While
    height =
ListView1.Items.Count
    If height > 15 Then
        ColumnHeader3.Width =
145
        ColumnHeader5.Width =
99
        ColumnHeader21.Width
= 145
    ElseIf height < 16 Then
        ColumnHeader3.Width =
150
        ColumnHeader5.Width =
106

```

```

        ColumnHeader21.Width
= 150
        End If
        sqlcon.Close()
    End If
End Sub

Private Sub
AddPatientToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
AddPatientToolStripMenuItem.Click
    Me.SendToBack()
    Addition.Show()
End Sub

Private Sub
NewPatientToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
NewPatientToolStripMenuItem.Click
    Me.SendToBack()
    Addition.Show()
End Sub

Private Sub
OldPatientToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
OldPatientToolStripMenuItem.Click
    Me.SendToBack()
    Index.Show()
End Sub

Private Sub
DischargeToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
DischargeToolStripMenuItem.Click
    Me.SendToBack()
    Discharge.Show()
End Sub

Private Sub
SearchPatientToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
SearchPatientToolStripMenuItem.Click
    Me.SendToBack()
    Search.Show()
End Sub

Private Sub
RetrieveIndexToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
RetrieveIndexToolStripMenuItem.Click
    Me.SendToBack()
    Retrieve.Show()

```

```

End Sub

Private Sub
ViewRoomsToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
ViewRoomsToolStripMenuItem.Click
    Me.SendToBack()
    Rooms.Show()
End Sub

Private Sub
ExpandRoomsToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
ExpandRoomsToolStripMenuItem.Click
    Me.SendToBack()
    Expand.Show()
End Sub

Private Sub
AddAccountsToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
AddAccountsToolStripMenuItem.Click
    Me.SendToBack()
    Register.Show()
End Sub

Private Sub
ManageAccountToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
ManageAccountToolStripMenuItem.Click
    Me.SendToBack()
    Manage.Show()
End Sub

Private Sub
AddPhysicianToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
AddPhysicianToolStripMenuItem.Click
    Me.SendToBack()
    Physician.Show()
End Sub

Private Sub
BrowseRecordsToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles
BrowseRecordsToolStripMenuItem.Click
    Me.SendToBack()
    Records.Show()
End Sub

Private Sub
GenerateReportsToolStripMenuItem_Click(sender As Object, e As EventArgs)

```

```

Handles
GenerateReportsToolStripMenuItem.Click
k
    Me.SendToBack()
    Reports.Show()
End Sub

Private Sub
LogoutAccountToolStripMenuItem_Click(
sender As Object, e As EventArgs)
Handles
LogoutAccountToolStripMenuItem.Click
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim result As DialogResult
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        result =
        MessageBox.Show("Are you sure to
logout your account now?", "Logout
Confirmation",
        MessageBoxButtons.YesNo,
        MessageBoxIcon.Question)
        Select Case result
            Case DialogResult.Yes
                sqlcon.Open()
                query = "UPDATE
accounts SET accounts.status='False'
WHERE accounts.username='" +
details(0) + "' AND
accounts.password='" + details(1) +
"',"
                command = New
SqlCommand(query, sqlcon)
                reader =
command.ExecuteReader()
                sqlcon.Close()
                Me.Close()
                Login.Show()
            End Select
        Catch ex As SqlException

        MessageBox.Show(ex.Message)
    End Try
End Sub

Private Sub
AboutProgramToolStripMenuItem_Click(s
ender As Object, e As EventArgs)

```

```

Handles
AboutProgramToolStripMenuItem.Click
    Me.SendToBack()
    AboutBox.Show()
End Sub

```

End Class

Admission

```

Imports System.Data.SqlClient
Public Class Admission

    Public mdname() As String = {"",
"", ""}
    Public gndtmp As Integer
    Public mstemp As Integer
    Dim NotifyIcon1 As Object

    Private Sub Admission_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
        Label8.Text = indextmp
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim current As Integer
        Dim datead() As String = {"",
"", ""}
        Dim timead() As String = {"",
"", ""}
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            If RadioButton1.Checked =
True Then
                gndtmp = 0
            ElseIf
RadioButton2.Checked = True Then
                gndtmp = 1
            End If
            If RadioButton7.Checked =
True Then
                mstemp = 0
            ElseIf
RadioButton6.Checked = True Then
                mstemp = 1
            ElseIf
RadioButton5.Checked = True Then

```

```

        mstemp = 2
    End If
    sqlcon.Open()
    query = "SELECT
patient.fname, patient.mname,
patient.sname, patient.gender,
patient.mstatus, patient.birthdate,
patient.address, patient.contact FROM
patient WHERE patient.hosind='" +
indextmp.ToString + "';"
    command = New
SqlCommand(query, sqlcon)
    reader =
command.ExecuteReader()
    While reader.Read()
        TextBox7.Text =
reader.GetString(0)
        TextBox8.Text =
reader.GetString(1)
        TextBox9.Text =
reader.GetString(2)
        Select Case
reader.GetBoolean(3)
            Case True :
RadioButton1.PerformClick()
            Case False :
RadioButton2.PerformClick()
        End Select
        Select Case
reader.GetInt32(4)
            Case 0 :
RadioButton7.PerformClick()
            Case 1 :
RadioButton6.PerformClick()
            Case 2 :
RadioButton5.PerformClick()
        End Select
        If
reader.GetString(5).Substring(5, 1) =
"0" Then
            ComboBox5.Text =
months(CInt(reader.GetString(5).Subst
ring(6, 1)) - 1)
        ElseIf
reader.GetString(5).Substring(5, 1)
<> "0" Then
            ComboBox5.Text =
months(CInt(reader.GetString(5).Subst
ring(5, 2)) - 1)
        End If
        If
reader.GetString(5).Substring(8, 1) =
"0" Then
            ComboBox4.Text =
reader.GetString(5).Substring(9, 1)
        ElseIf
reader.GetString(5).Substring(8, 1)
<> "0" Then

```

```

            ComboBox4.Text =
reader.GetString(5).Substring(8, 2)
        End If
        ComboBox3.Text =
reader.GetString(5).Substring(0, 4)
        TextBox5.Text =
reader.GetString(6)
        TextBox6.Text =
reader.GetString(7)
    End While
    If Now.Month < 10 Then
        datead(0) = "0" +
Now.Month.ToString
    ElseIf Now.Month > 9 Then
        datead(0) =
Now.Month.ToString
    End If
    If Now.Day < 10 Then
        datead(1) = "0" +
Now.Day.ToString
    ElseIf Now.Day > 9 Then
        datead(1) =
Now.Day.ToString
    End If
    If Now.Hour < 10 Then
        timead(0) = "0" +
Now.Hour.ToString
    ElseIf Now.Hour > 9 Then
        timead(0) =
Now.Hour.ToString
    End If
    If Now.Minute < 10 Then
        timead(1) = "0" +
Now.Minute.ToString
    ElseIf Now.Minute > 9
Then
        timead(1) =
Now.Minute.ToString
    End If
    If Now.Second < 10 Then
        timead(2) = "0" +
Now.Second.ToString
    ElseIf Now.Second > 9
Then
        timead(2) =
Now.Second.ToString
    End If
    TextBox2.Text =
Now.Year.ToString + "-" + datead(0) +
"-" + datead(1)
    TextBox4.Text = timead(0)
+ ":" + timead(1) + ":" + timead(2)
    sqlcon.Close()
    sqlcon.Open()
    query = "SELECT
MAX(casenum) AS HighestValue FROM
record WHERE casenum LIKE '" +

```

```

Year(Now).ToString.Substring(2, 2) +
datead(0) + datead(1) + "%';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            If reader.IsDBNull(0)
= True Then
                current =
CInt(Year(Now).ToString.Substring(2,
2) + datead(0) + datead(1) + "000")
                ElseIf
reader.IsDBNull(0) = False Then
                    current =
reader.GetInt32(0)
                End If
            End While
            Label17.Text = current +
1
            sqlcon.Close()
            Catch ex As SqlException
MessageBox.Show(ex.Message)
        End Try
    End Sub

```

```

    Private Sub
ComboBox1_SelectedIndexChanged(sender
As Object, e As EventArgs) Handles
ComboBox1.SelectedIndexChanged
        ComboBox2.Items.Clear()
        ComboBox6.Items.Clear()
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim category As Integer
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        If ComboBox1.SelectedIndex <
1 Then
            category = 0
        ElseIf
ComboBox1.SelectedIndex > 0 And
ComboBox1.SelectedIndex < 3 Then
            category = 1
        ElseIf
ComboBox1.SelectedIndex > 2 And
ComboBox1.SelectedIndex < 6 Then
            category = 2

```

```

        ElseIf
ComboBox1.SelectedIndex > 5 And
ComboBox1.SelectedIndex < 8 Then
            category = 3
        End If
    Try
        sqlcon.Open()
        query = "SELECT
room.roomid, room.category,
room.roombed FROM room WHERE
room.approve='False' AND
room.category='" + category.ToString
+ "';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            Select Case
reader.GetInt32(1)
                Case 0 :
ComboBox2.Items.Add(reader.GetString(
0) + "-" +
reader.GetInt32(2).ToString)
                Case 1 :
ComboBox2.Items.Add(reader.GetString(
0) + "-" +
reader.GetInt32(2).ToString)
                Case 2 :
ComboBox2.Items.Add(reader.GetString(
0) + "-" +
reader.GetInt32(2).ToString)
                Case 3 :
ComboBox2.Items.Add(reader.GetString(
0) + "-" +
reader.GetInt32(2).ToString)
            End Select
        End While
        sqlcon.Close()
        sqlcon.Open()
        query = "SELECT
physician.fname, physician.mname,
physician.sname FROM physician WHERE
physician.category='" +
category.ToString + "';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()

ComboBox6.Items.Add(reader.GetString(
0) + " " +
reader.GetString(1).Substring(0, 1) +
". " + reader.GetString(2))
        End While
        sqlcon.Close()
        Catch ex As SqlException

```



```

        MessageBox.Show(ex.Message)
    End Try
End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim category As Integer
    Dim mdnum As String
    Dim roomno As Integer
    Dim roomarr() As String
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        sqlcon.Open()
        If
ComboBox1.SelectedIndex < 1 Then
            category = 0
        ElseIf
ComboBox1.SelectedIndex > 0 And
ComboBox1.SelectedIndex < 3 Then
            category = 1
        ElseIf
ComboBox1.SelectedIndex > 2 And
ComboBox1.SelectedIndex < 6 Then
            category = 2
        ElseIf
ComboBox1.SelectedIndex > 5 And
ComboBox1.SelectedIndex < 8 Then
            category = 3
        End If
        mdname =
ComboBox6.Text.Split(" ")
        query = "SELECT
physician.mdnum FROM physician WHERE
physician.fname LIKE '" + mdname(0) +
"%" AND physician.sname LIKE '%" +
mdname(mdname.Length - 1) + "%' AND
physician.category='" +
category.ToString + "';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            mdnum =
reader.GetString(0)
        End While

```

```

        sqlcon.Close()
        sqlcon.Open()
        roomarr =
ComboBox2.Text.Split("-")
        query = "SELECT
room.roomno FROM room WHERE
room.roomid='" +
ComboBox2.Text.Substring(0, 6) + "'
AND room.roombed='" + roomarr(1) +
"';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            roomno =
reader.GetInt32(0)
        End While
        sqlcon.Close()
        sqlcon.Open()
        query = "INSERT INTO
record (casenum, hosind, category,
roomno, diagnosis, mdnum, datead,
timead, status) VALUES ('" +
Label17.Text + "', '" + Label8.Text +
"', '" +
ComboBox1.SelectedIndex.ToString +
"', '" + roomno.ToString + "', '" +
TextBox3.Text + "', '" + mdnum + "',
'" + TextBox2.Text + "', '" +
TextBox4.Text + "', 'True');"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        sqlcon.Close()
        sqlcon.Open()
        query = "UPDATE room SET
room.casenum='" + Label17.Text + "'
WHERE room.category='" +
category.ToString + "' AND
room.roomno='" + roomno.ToString +
"';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        sqlcon.Close()
        sqlcon.Open()
        query = "UPDATE patient
SET patient.lastad='" + TextBox2.Text
+ "', patient.status='True' WHERE
patient.hosind='" + Label8.Text +
"';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()

```

```

        sqlcon.Close()
        MessageBox.Show("New
patient has been added to queue.
Please wait until the Ward Nurse
approve the request.", "Admission
Status", MessageBoxButtons.OK,
MessageBoxIcon.Information)
        NotifyIcon1 =
Admin.NotifyIcon1

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

NotifyIcon1.BalloonTipText = "New
patient has been admitted."

NotifyIcon1.BalloonTipTitle =
"Patient Admitted"

NotifyIcon1.ShowBalloonTip(3000)
        Me.Close()
        Admin.Show()
        Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
        End Sub

        Private isMouseDown As Boolean =
False
        Private mouseOffset As Point

        Private Sub
Admission_MouseDown(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseDown
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            mouseOffset = New Point(-
e.X, -e.Y)
            isMouseDown = True
        End If
        End Sub

        Private Sub
Admission_MouseMove(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseMove
        If isMouseDown Then
            Dim mousePos As Point =
Control.MousePosition

mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
            Me.Location = mousePos
        End If
        End Sub

```

```

        Private Sub
Admission_MouseUp(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseUp
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            isMouseDown = False
        End If
        End Sub

        Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
        Me.Close()
        End Sub

        Private Sub
RadioButton1_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton1.CheckedChanged
        If gndtmp <> 0 Then

RadioButton2.PerformClick()
        End If
        End Sub

        Private Sub
RadioButton2_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton2.CheckedChanged
        If gndtmp <> 1 Then

RadioButton1.PerformClick()
        End If
        End Sub

        Private Sub
RadioButton7_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton7.CheckedChanged
        If mstemp <> 0 And mstemp <>
2 Then

RadioButton6.PerformClick()
        ElseIf mstemp <> 0 And mstemp
<> 1 Then

RadioButton5.PerformClick()
        End If
        End Sub

        Private Sub
RadioButton6_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton6.CheckedChanged
        If mstemp <> 1 And mstemp <>
2 Then

```

```

RadioButton7.PerformClick()
    ElseIf mstemp <> 1 And mstemp
<> 0 Then

RadioButton5.PerformClick()
    End If
End Sub

Private Sub
RadioButton5_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton5.CheckedChanged
    If mstemp <> 2 And mstemp <>
0 Then

RadioButton6.PerformClick()
    ElseIf mstemp <> 2 And mstemp
<> 1 Then

RadioButton7.PerformClick()
    End If
End Sub

End Class

```

Discharge

```

Imports System.Data.SqlClient
Public Class Discharge

    Dim NotifyIcon1 As Object

    Private Sub Discharge_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim length As Integer
        Dim height As Integer
        Dim list As ListViewItem
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomid,

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room.roombed, record.diagnosis,
record.datead, room.category FROM
room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
record.status='False' AND
record.disposition IS NULL;"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

list.SubItems.Add(reader.GetString(5)
+ "-" + reader.GetInt32(6).ToString)

list.SubItems.Add(reader.GetString(7)
)

            length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(8))).TotalDays
            Select Case
reader.GetInt32(9)
                Case 0 :
list.Group =
ListView1.Groups("ListViewGroup1")
                Case 1 :
list.Group =
ListView1.Groups("ListViewGroup2")
                Case 2 :
list.Group =
ListView1.Groups("ListViewGroup3")
                Case 3 :
list.Group =
ListView1.Groups("ListViewGroup4")
            End Select

list.SubItems.Add(length)

ListView1.Items.Add(list)
        End While
        sqlcon.Close()
        height =
ListView1.Items.Count
        If height > 9 Then
            ColumnHeader4.Width =
100

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ColumnHeader3.Width =
90
ColumnHeader2.Width =
145
ElseIf height < 10 Then
ColumnHeader4.Width =
106
ColumnHeader3.Width =
96
ColumnHeader2.Width =
150
End If
Catch ex As SqlException
MessageBox.Show(ex.Message)
End Try
End Sub

Private Sub
ListView1_Click(sender As Object, e
As EventArgs) Handles ListView1.Click
Dim connection As String
Dim sqlcon As SqlConnection
Dim command As SqlCommand
Dim reader As SqlDataReader
Dim query As String
Dim category As Integer
Dim weeks As Integer
Dim days As Integer
connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
sqlcon = New
SqlConnection(connection)
Try
sqlcon.Open()
query = "SELECT
record.casenum, record.category,
room.roomid, room.roombed,
record.datedc, record.timedc,
record.datead FROM record JOIN room
ON record.casenum=room.casenum WHERE
record.casenum='" +
ListView1.SelectedItems(0).ToString.S
ubstring(15, 9) + "'"
command = New
SqlCommand(query, sqlcon)
reader =
command.ExecuteReader()
While reader.Read()
Label17.Text =
reader.GetInt32(0)

ComboBox1.SelectedIndex =
reader.GetInt32(1)
If reader.GetInt32(1)
< 1 Then
category = 0
ElseIf
reader.GetInt32(1) > 0 And
reader.GetInt32(1) < 3 Then
category = 1
ElseIf
reader.GetInt32(1) > 2 And
reader.GetInt32(1) < 6 Then
category = 2
ElseIf
reader.GetInt32(1) > 5 And
reader.GetInt32(1) < 8 Then
category = 3
End If
ComboBox2.Text =
reader.GetString(2) + "-" +
reader.GetInt32(3).ToString
TextBox2.Text =
reader.GetString(4)
TextBox4.Text =
reader.GetString(5)
days =
DateTime.Now.Subtract(CDate(reader.Ge
tString(6))).TotalDays
stlength = days
weeks = days \ 7
days = days Mod 7
TextBox5.Text = weeks
TextBox6.Text = days

ComboBox3.SelectedIndex = 0

ComboBox4.SelectedIndex = 0
End While
sqlcon.Close()
Catch ex As SqlException

MessageBox.Show(ex.Message)
End Try
End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
Dim connection As String
Dim sqlcon As SqlConnection
Dim command As SqlCommand
Dim reader As SqlDataReader
Dim query As String
Dim catnum As Integer
Dim roomnum As Integer
Dim index As Integer
Dim height As Integer
Dim current() As Integer =
{0, 0, 0}
Dim datead As String
Dim indextmp As Integer

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        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "UPDATE record
SET record.disposition='" +
ComboBox8.SelectedIndex.ToString +
"', record.length='" +
stlength.ToString + "' WHERE
record.casenum='" + Label17.Text +
"';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            sqlcon.Close()
            sqlcon.Open()
            query = "SELECT
room.category, room.roomno FROM
record JOIN room ON
room.casenum=record.casenum WHERE
record.casenum='" + Label17.Text +
"';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                catnum =
reader.GetInt32(0)
                roomnum =
reader.GetInt32(1)
            End While
            sqlcon.Close()
            sqlcon.Open()
            query = "UPDATE room SET
room.casenum=NULL WHERE
room.category='" + catnum.ToString +
"' AND room.roomno='" +
roomnum.ToString + "';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            sqlcon.Close()
            sqlcon.Open()
            If Now.Month < 10 Then
                datead = "0" +
Now.Month.ToString
            ElseIf Now.Month > 9 Then
                datead =
Now.Month.ToString
            End If

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        query = "SELECT COUNT(1)
FROM report WHERE datenum LIKE '" +
Year(Now).ToString + datead + "%';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            If reader.GetInt32(0)
= 0 Then
                While index < 8

sqlcon.Close()
                    sqlcon.Open()
                    query =
"INSERT INTO report (datenum,
category, catname, admit, discharge,
length, improve, unimp, baby,
referred, transfer, home, abscond,
expired) VALUES ('" +
Year(Now).ToString + datead +
index.ToString + "', '" +
index.ToString + "', '" +
category(index) + "', '0', '0', '0',
'0', '0', '0', '0', '0', '0', '0',
'0');"
                    command = New
SqlCommand(query, sqlcon)
                    reader =
command.ExecuteReader()
                    index = index
+ 1
                End While
            End If
        End While
        sqlcon.Close()
        sqlcon.Open()
        Select Case
ComboBox8.SelectedIndex
            Case 0 : query =
"SELECT discharge, length, improve
FROM report WHERE datenum='" +
Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
"';"
            Case 1 : query =
"SELECT discharge, length, unimp FROM
report WHERE datenum='" +
Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
"';"
            Case 2 : query =
"SELECT discharge, length, baby FROM
report WHERE datenum='" +

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Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

        Case 3 : query =
"SELECT discharge, length, referred
FROM report WHERE datenum="" +
Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

        Case 4 : query =
"SELECT discharge, length, transfer
FROM report WHERE datenum="" +
Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

        Case 5 : query =
"SELECT discharge, length, home FROM
report WHERE datenum="" +
Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

        Case 6 : query =
"SELECT discharge, length, abscond
FROM report WHERE datenum="" +
Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

        Case 7 : query =
"SELECT discharge, length, expired
FROM report WHERE datenum="" +
Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

        End Select
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            If reader.IsDBNull(0)
= True Then
                current(0) = 0
            ElseIf
reader.IsDBNull(0) = False Then
                current(0) =
reader.GetInt32(0)
            End If
        End While
        sqlcon.Close()
        sqlcon.Open()
        Select Case
ComboBox8.SelectedIndex
            Case 0 : query =
"UPDATE report SET
report.discharge="" +
current(0).ToString + "", length="" +
current(1).ToString + "", improve=""
+ current(2).ToString + "" WHERE
datenum="" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

            Case 1 : query =
"UPDATE report SET
report.discharge="" +
current(0).ToString + "", length="" +
current(1).ToString + "", unimp="" +
current(2).ToString + "" WHERE
datenum="" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

            Case 2 : query =
"UPDATE report SET
report.discharge="" +
current(0).ToString + "", length="" +
current(1).ToString + "", baby="" +
current(2).ToString + "" WHERE

```

```

End If
        If reader.IsDBNull(1)
= True Then
                current(1) = 0
            ElseIf
reader.IsDBNull(1) = False Then
                current(1) =
reader.GetInt32(1)
            End If
        If reader.IsDBNull(2)
= True Then
                current(2) = 0
            ElseIf
reader.IsDBNull(2) = False Then
                current(2) =
reader.GetInt32(2)
            End If
        current(0) =
current(0) + 1
        current(1) =
current(1) + stlength
        current(2) =
current(2) + 1
    End While
    sqlcon.Close()
    sqlcon.Open()
    Select Case
ComboBox8.SelectedIndex
        Case 0 : query =
"UPDATE report SET
report.discharge="" +
current(0).ToString + "", length="" +
current(1).ToString + "", improve=""
+ current(2).ToString + "" WHERE
datenum="" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

        Case 1 : query =
"UPDATE report SET
report.discharge="" +
current(0).ToString + "", length="" +
current(1).ToString + "", unimp="" +
current(2).ToString + "" WHERE
datenum="" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + ""
AND category="" +
ComboBox1.SelectedIndex.ToString +
"";"

        Case 2 : query =
"UPDATE report SET
report.discharge="" +
current(0).ToString + "", length="" +
current(1).ToString + "", baby="" +
current(2).ToString + "" WHERE

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datenum='" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
";"

```

```

Case 3 : query =
"UPDATE report SET
report.discharge='" +
current(0).ToString + "', length='" +
current(1).ToString + "', referred='"
+ current(2).ToString + "' WHERE
datenum='" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
";"

```

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Case 4 : query =
"UPDATE report SET
report.discharge='" +
current(0).ToString + "', length='" +
current(1).ToString + "', transfer='"
+ current(2).ToString + "' WHERE
datenum='" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
";"

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Case 5 : query =
"UPDATE report SET
report.discharge='" +
current(0).ToString + "', length='" +
current(1).ToString + "', home='" +
current(2).ToString + "' WHERE
datenum='" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
";"

```

```

Case 6 : query =
"UPDATE report SET
report.discharge='" +
current(0).ToString + "', length='" +
current(1).ToString + "', abscond='"
+ current(2).ToString + "' WHERE
datenum='" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
";"

```

```

Case 7 : query =
"UPDATE report SET
report.discharge='" +
current(0).ToString + "', length='" +

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```

current(1).ToString + "', expired='"
+ current(2).ToString + "' WHERE
datenum='" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
";"

```

```

End Select
command = New
SqlCommand(query, sqlcon)
reader =
command.ExecuteReader()
sqlcon.Close()
sqlcon.Open()
query = "SELECT
record.hosind FROM record WHERE
record.casenum='" + Label17.Text +
";"

```

```

command = New
SqlCommand(query, sqlcon)
reader =
command.ExecuteReader()
While reader.Read()
indextmp =
reader.GetInt32(0)
End While
sqlcon.Close()
sqlcon.Open()
query = "UPDATE patient
SET patient.status='False' WHERE
patient.hosind='" + indextmp.ToString
+ ";"

```

```

command = New
SqlCommand(query, sqlcon)
reader =
command.ExecuteReader()
sqlcon.Close()
MessageBox.Show("New
patient has been successfully
discharged. Check the list for the
other patients.", "Discharge
Successful", MessageBoxButtons.OK,
MessageBoxIcon.Information)

```

```

ListView1.Items.Remove(ListView1.Sele
ctedItems(0))

```

```

NotifyIcon1 =
Admin.NotifyIcon1

```

```

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

```

```

NotifyIcon1.BalloonTipText = "New
patient has been discharged."

```

```

NotifyIcon1.BalloonTipTitle =
"Patient Discharged"

```

```

NotifyIcon1.ShowBalloonTip(3000)
    height =
ListView1.Items.Count
    If height > 9 Then
        ColumnHeader4.Width =
100
        ColumnHeader3.Width =
90
        ColumnHeader2.Width =
145
    ElseIf height < 10 Then
        ColumnHeader4.Width =
106
        ColumnHeader3.Width =
96
        ColumnHeader2.Width =
150
    End If
Catch ex As SqlException

MessageBox.Show(ex.Message)
End Try
End Sub

Private isMouseDown As Boolean =
False
Private mouseOffset As Point

Private Sub
Discharge_MouseDown(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseDown
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        mouseOffset = New Point(-
e.X, -e.Y)
        isMouseDown = True
    End If
End Sub

Private Sub
Discharge_MouseMove(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseMove
    If isMouseDown Then
        Dim mousePos As Point =
Control.MousePosition
        mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
        Me.Location = mousePos
    End If
End Sub

Private Sub
Discharge_MouseUp(sender As Object, e

```

```

As MouseEventArgs) Handles
MyBase.MouseUp
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        isMouseDown = False
    End If
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
End Sub

End Class

```

EXPAND

```

Imports System.Data.SqlClient
Public Class Expand

    Dim NotifyIcon1 As Object

    Private Sub
ComboBox4_SelectedIndexChanged(sender
As Object, e As EventArgs) Handles
ComboBox4.SelectedIndexChanged
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim found As Boolean = False
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            ComboBox1.Items.Clear()
            ComboBox1.Items.Add("New
Room")
            sqlcon.Open()
            query = "SELECT
room.roomid FROM room WHERE
room.category='" +
ComboBox4.SelectedIndex.ToString +
"';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()

```



```

        found =
ComboBox1.FindStringExact(reader.GetString(
tring(0))
        If found = True Then

ComboBox1.Items.Add(reader.GetString(
0))
        End If
        End While
        Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
        End Sub

        Private Sub
ComboBox1_SelectedIndexChanged(sender
As Object, e As EventArgs) Handles
ComboBox1.SelectedIndexChanged
            Dim connection As String
            Dim sqlcon As SqlConnection
            Dim command As SqlCommand
            Dim reader As SqlDataReader
            Dim query As String
            Dim tmpcur As String
            Dim tmpcat As String
            Dim current As Integer = 0
            connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
            sqlcon = New
SqlConnection(connection)
            Try
                If
ComboBox1.SelectedIndex = 0 Then
                    sqlcon.Open()
                    query = "SELECT
MAX(CAST(roomid AS varchar)) FROM
room WHERE category='" +
ComboBox4.SelectedIndex.ToString +
"';"
                    command = New
SqlCommand(query, sqlcon)
                    reader =
command.ExecuteReader()
                    While reader.Read()
                        tmpcur =
reader.GetString(0)
                    End While
                    tmpcat =
tmpcur.Substring(0, 3)
                    tmpcur =
tmpcur.Substring(3, 3)
                    current =
CInt(tmpcur)
                    current = current + 1

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                        tmpcur = tmpcat +
CStr(current)
                        Label2.Text = tmpcur
                        + "-" + "1"
                        sqlcon.Close()
                    ElseIf
ComboBox1.SelectedIndex <> 0 Then
                        sqlcon.Open()
                        query = "SELECT
MAX(roombed) AS HighestValue FROM
room WHERE roomid='" +
ComboBox1.SelectedItem + "';"
                        command = New
SqlCommand(query, sqlcon)
                        reader =
command.ExecuteReader()
                        While reader.Read()
                            current =
reader.GetInt32(0)
                        End While
                        current = current + 1
                        Label2.Text =
ComboBox1.SelectedItem + "-" +
current.ToString
                        sqlcon.Close()
                    End If
                    Catch ex As SqlException

MessageBox.Show(ex.Message)
                    End Try
                    End Sub

                    Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
                        Dim connection As String
                        Dim sqlcon As SqlConnection
                        Dim command As SqlCommand
                        Dim reader As SqlDataReader
                        Dim result As DialogResult
                        Dim current As Integer
                        Dim query As String
                        Dim roomarr() As String
                        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
                        sqlcon = New
SqlConnection(connection)
                        Try
                            roomarr =
Label2.Text.Split("-")
                            sqlcon.Open()
                            query = "SELECT
MAX(roomno) AS HighestValue FROM room
WHERE roomid='" + roomarr(0) + "';"
                            command = New
SqlCommand(query, sqlcon)

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        reader =
command.ExecuteReader()
        While reader.Read()
            If reader.IsDBNull(0)
= True Then
                current = 0
            ElseIf
reader.IsDBNull(0) = False Then
                current =
reader.GetInt32(0)
            End If
        End While
        current = current + 1
        sqlcon.Close()
        result =
MessageBox.Show("Are the informations
above correct? Do you want this room
information to be saved?", "Expand
Confirmation",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
        Select Case result
            Case DialogResult.Yes
                sqlcon.Open()
                query = "INSERT
INTO room (roomid, category, roomno,
roombed, approve) VALUES ('" +
roomarr(0) + "', '" +
ComboBox4.SelectedIndex.ToString +
"', '" + current.ToString + "', '" +
roomarr(1) + "', 'False');"
                command = New
SqlCommand(query, sqlcon)
                reader =
command.ExecuteReader()
                sqlcon.Close()

MessageBox.Show("New expansion has
been performed. New space has been
added to the list of available
rooms.", "Expand Message",
MessageBoxButtons.OK,
MessageBoxIcon.Information)
                Me.Close()
                NotifyIcon1 =
Admin.NotifyIcon1

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

NotifyIcon1.BalloonTipText = "New
room space has been added."

NotifyIcon1.BalloonTipTitle =
"Expansion Performed"

NotifyIcon1.ShowBalloonTip(3000)
        End Select

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        Catch ex As SqlException
MessageBox.Show(ex.Message)
        End Try
    End Sub

    Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
        Me.Close()
    End Sub

End Class

```

INDEX

```

Imports System.Data.SqlClient
Public Class Index

    Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim found As Boolean = False
        Dim present As Boolean =
False
        Dim penalty As Boolean =
False
        Dim admit As DialogResult
        Dim retry As DialogResult
        Dim again As DialogResult
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT
patient.hosind, patient.fname,
patient.mname, patient.sname,
patient.birthdate, patient.lastad
FROM patient WHERE hosind='" +
TextBox7.Text + "' AND
patient.status='True';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                present = True
            End While
            sqlcon.Close()

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        sqlcon.Open()
        query = "SELECT * FROM
record WHERE record.hosind='" +
TextBox7.Text + "' AND
record.disposition='6';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            penalty = True
        End While
        sqlcon.Close()
        sqlcon.Open()
        query = "SELECT
patient.hosind, patient.fname,
patient.mname, patient.sname,
patient.birthdate, patient.lastad
FROM patient WHERE hosind='" +
TextBox7.Text + "';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            found = True
            TextBox1.Text =
reader.GetString(1)
            TextBox2.Text =
reader.GetString(2)
            TextBox3.Text =
reader.GetString(3)
            If
reader.GetString(4).Substring(5, 1) =
"0" Then
                ComboBox1.Text =
months(CInt(reader.GetString(4).Subst
ring(6, 1)) - 1)
            ElseIf
reader.GetString(4).Substring(5, 1)
<> "0" Then
                ComboBox1.Text =
months(CInt(reader.GetString(4).Subst
ring(5, 2)) - 1)
            End If
            If
reader.GetString(4).Substring(8, 1) =
"0" Then
                ComboBox2.Text =
reader.GetString(4).Substring(9, 1)
            ElseIf
reader.GetString(4).Substring(8, 1)
<> "0" Then
                ComboBox2.Text =
reader.GetString(4).Substring(8, 2)
            End If
            ComboBox3.Text =
reader.GetString(4).Substring(0, 4)

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```

        If reader.IsDBNull(5)
= True Then
            ComboBox4.Text =
""
            ComboBox5.Text =
""
            ComboBox6.Text =
""
        ElseIf
reader.IsDBNull(5) = False Then
            If
reader.GetString(5).Substring(5, 1) =
"0" Then
                ComboBox6.Text =
months(CInt(reader.GetString(5).Subst
ring(6, 1)) - 1)
            ElseIf
reader.GetString(5).Substring(5, 1)
<> "0" Then
                ComboBox6.Text =
months(CInt(reader.GetString(5).Subst
ring(5, 2)) - 1)
            End If
            If
reader.GetString(5).Substring(8, 1) =
"0" Then
                ComboBox5.Text =
reader.GetString(5).Substring(9, 1)
            ElseIf
reader.GetString(5).Substring(8, 1)
<> "0" Then
                ComboBox5.Text =
reader.GetString(5).Substring(8, 2)
            End If
            ComboBox4.Text =
reader.GetString(5).Substring(0, 4)
            End If
        End While
        Select Case found
            Case True
                If present = True
                    Then
                        again =
                        MessageBox.Show("Patient was
currently admitted. Search again?",
"Patient Redundancy",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
                        Select Case
again
                            Case
DialogResult.Yes
                                TextBox7.Text = ""

```

```

Case
DialogResult.No
Me.Close()
Admin.Show()
End Select
ElseIf present =
False Then
penalty
Select Case
Case True
admit
= MessageBox.Show("Patient was found
in the absconded list. Do you still
want to admit this patient?",
"Absconded Patient Found",
MessageBoxButtons.YesNo,
MessageBoxIcon.Warning)
Select Case admit
Case DialogResult.Yes
indextmp = CInt(TextBox7.Text)
Me.Close()
Admission.Show()
Case DialogResult.No
Me.Close()
Admin.Show()
End
Select
Case
False
admit
= MessageBox.Show("Patient was found
in the record. Admit this patient?",
"Information Found",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
Select Case admit
Case DialogResult.Yes
indextmp = CInt(TextBox7.Text)
Me.Close()
Admission.Show()
Case DialogResult.No

```

```

Me.Close()
Admin.Show()
End
Select
End Select
End If
Case False
retry =
MessageBox.Show("Patient was not
found in the record. Search again?",
"Information Not Found",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
Select Case retry
Case
DialogResult.Yes
TextBox7.Text = ""
Case
DialogResult.No
Me.Close()
Admin.Show()
End Select
End Select
sqlcon.Close()
Catch ex As SqlException
MessageBox.Show(ex.Message)
End Try
End Sub
Private isMouseDown As Boolean =
False
Private mouseOffset As Point
Private Sub
Index_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
If e.Button =
Windows.Forms.MouseButtons.Left Then
mouseOffset = New Point(-
e.X, -e.Y)
isMouseDown = True
End If
End Sub
Private Sub
Index_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
If isMouseDown Then
Dim mousePos As Point =
Control.MousePosition

```

```

mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
    Me.Location = mousePos
End If
End Sub

Private Sub Index_MouseUp(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseUp
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        isMouseDown = False
    End If
End Sub

Private Sub
TextBox7_KeyDown(sender As Object, e
As KeyEventArgs) Handles
TextBox7.KeyDown
    If e.KeyCode = Keys.Enter
Then
        Button1.PerformClick()
    End If
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
End Sub

End Class

```

LOGIN

```

Imports System.Data.SqlClient
Public Class Login

    Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
        counter(0) = 0
        counter(1) = 0
        counter(2) = 0
        Dim connection As String
        Dim found As Boolean = False
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"

```

```

        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT * FROM
accounts WHERE username='" &
TextBox1.Text & "' AND password='" &
TextBox2.Text & "';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                found = True
                TextBox1.Text =
"Username"
                TextBox2.Text =
"Password"
                If reader.IsDBNull(7)
= True Then
                    If
reader.GetBoolean(11) = True Then
                        MessageBox.Show("Account is currently
active. Please try again later.")
                    ElseIf
reader.GetBoolean(11) = False Then
                        details(0) =
reader.GetString(9)
                        details(1) =
reader.GetString(10)
                        Me.Hide()
                        Admin.Show()
                    End If
                ElseIf
reader.IsDBNull(7) = False Then
                    If
reader.GetBoolean(11) = True Then
                        MessageBox.Show("Account is currently
active. Please try again later.")
                    ElseIf
reader.GetBoolean(11) = False Then
                        details(0) =
reader.GetString(9)
                        details(1) =
reader.GetString(10)
                        account =
reader.GetInt32(7)
                        Me.Hide()
                        Ward.Show()
                    End If
                End If
            End While
            If found = False Then
                MessageBox.Show("Invalid input data.

```

```

Please provide valid information.",
"Login Failed")
        TextBox2.Text = ""
    End If
    sqlcon.Close()
Catch ex As SqlException

MessageBox.Show(ex.Message)
    End Try
End Sub

Private isMouseDown As Boolean =
False
Private mouseOffset As Point

Private Sub
Login_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        mouseOffset = New Point(-
e.X, -e.Y)
        isMouseDown = True
    End If
End Sub

Private Sub
Login_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
    If isMouseDown Then
        Dim mousePos As Point =
Control.MousePosition

        mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
        Me.Location = mousePos
    End If
End Sub

Private Sub Login_MouseUp(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseUp
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        isMouseDown = False
    End If
End Sub

Private Sub
TextBox2_GotFocus(sender As Object, e
As EventArgs) Handles
TextBox2.GotFocus
    If TextBox1.Text = "" Then
        TextBox1.Text =
"Username"
    End If

```

```

        TextBox2.Text = ""
        TextBox2.PasswordChar = "*"
    End Sub

Private Sub
TextBox2_KeyDown(sender As Object, e
As KeyEventArgs) Handles
TextBox2.KeyDown
    If e.KeyCode = Keys.Enter
Then
        Button1.PerformClick()
    End If
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
End Sub

Private Sub
TextBox1_GotFocus(sender As Object, e
As EventArgs) Handles
TextBox1.GotFocus
    If TextBox2.Text = "" Then
        TextBox2.PasswordChar =
""

        TextBox2.Text =
>Password"
    End If
    TextBox1.Text = ""
End Sub

End Class

```

Manage

```

Imports System.Data.SqlClient
Public Class Manage

    Private Sub
ComboBox4_SelectedIndexChanged(sender
As Object, e As EventArgs) Handles
ComboBox4.SelectedIndexChanged
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim category As Integer
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)

```

```

        Try
            ComboBox5.Items.Clear()
            sqlcon.Open()
            category =
ComboBox4.SelectedIndex - 1
            query = "SELECT empno
FROM accounts WHERE category='" +
category.ToString + "';"
            If category = -1 Then
                query = "SELECT empno
FROM accounts WHERE category IS
NULL;"
            End If
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()

ComboBox5.Items.Add(reader.GetInt32(0
))

            End While
        Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
    End Sub

```

```

    Private Sub
ComboBox5_SelectedIndexChanged(sender
As Object, e As EventArgs) Handles
ComboBox5.SelectedIndexChanged
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT fname,
mname, sname, gender, mstatus,
birthdate, position, username,
password FROM accounts WHERE empno='"
+ ComboBox5.Text + "';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                TextBox1.Text =
reader.GetString(0)

```

```

                TextBox2.Text =
reader.GetString(1)
                TextBox3.Text =
reader.GetString(2)
                If
reader.GetBoolean(3) = True Then
                    RadioButton1.PerformClick()
                ElseIf
reader.GetBoolean(3) = False Then
                    RadioButton2.PerformClick()
                End If
                If reader.GetInt32(4)
= 0 Then
                    RadioButton7.PerformClick()
                ElseIf
reader.GetInt32(4) = 1 Then
                    RadioButton6.PerformClick()
                ElseIf
reader.GetInt32(4) = 2 Then
                    RadioButton5.PerformClick()
                End If
                If
reader.GetString(5).Substring(5, 1) =
"0" Then
                    ComboBox1.Text =
months(CInt(reader.GetString(5).Subst
ring(6, 1)) - 1)
                ElseIf
reader.GetString(5).Substring(5, 1)
<> "0" Then
                    ComboBox1.Text =
months(CInt(reader.GetString(5).Subst
ring(5, 2)) - 1)
                End If
                If
reader.GetString(5).Substring(8, 1) =
"0" Then
                    ComboBox2.Text =
reader.GetString(5).Substring(9, 1)
                ElseIf
reader.GetString(5).Substring(8, 1)
<> "0" Then
                    ComboBox2.Text =
reader.GetString(5).Substring(8, 2)
                End If
                ComboBox3.Text =
reader.GetString(5).Substring(0, 4)
                TextBox4.Text =
reader.GetString(6)
                TextBox5.Text =
reader.GetString(7)
                TextBox6.Text =
reader.GetString(8)

```

```

        End While
    Catch ex As SqlException
        MessageBox.Show(ex.Message)
    End Try
End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim result As DialogResult
    Dim query As String
    Dim gender As Integer
    Dim mstatus As Integer
    Dim month As String
    Dim days As String
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        sqlcon.Open()
        If RadioButton1.Checked()
Then
            gender = 1
        ElseIf
RadioButton2.Checked() Then
            gender = 0
        End If
        If RadioButton5.Checked()
Then
            mstatus = 2
        ElseIf
RadioButton6.Checked() Then
            mstatus = 1
        ElseIf
RadioButton7.Checked() Then
            mstatus = 0
        End If
        If
ComboBox1.SelectedIndex < 9 Then
            month = "0" +
CStr(ComboBox1.SelectedIndex + 1)
        ElseIf
ComboBox1.SelectedIndex > 8 Then
            month =
CStr(ComboBox1.SelectedIndex + 1)
        End If
        If
ComboBox2.SelectedIndex < 9 Then
            days = "0" +
ComboBox2.Text

```

```

        ElseIf
ComboBox2.SelectedIndex > 8 Then
            days = ComboBox2.Text
        End If
    If
ComboBox4.SelectedIndex <> 0 Then
        query = "UPDATE
accounts SET accounts.fname='" +
TextBox1.Text + "', accounts.mname='"
+ TextBox2.Text + "',
accounts.sname='" + TextBox3.Text +
"', accounts.gender='" +
gender.ToString + "',
accounts.mstatus='" +
mstatus.ToString + "',
accounts.category='" +
(ComboBox4.SelectedIndex -
1).ToString + "',
accounts.position='" + TextBox4.Text
+ "', accounts.username='" +
TextBox5.Text + "',
accounts.password='" + TextBox6.Text
+ "' WHERE accounts.empno='" +
ComboBox5.Text + "';"
    ElseIf
ComboBox4.SelectedIndex = 0 Then
        query = "UPDATE
accounts SET accounts.fname='" +
TextBox1.Text + "', accounts.mname='"
+ TextBox2.Text + "',
accounts.sname='" + TextBox3.Text +
"', accounts.gender='" +
gender.ToString + "',
accounts.mstatus='" +
mstatus.ToString + "',
accounts.category=NULL,
accounts.position='" + TextBox4.Text
+ "', accounts.username='" +
TextBox5.Text + "',
accounts.password='" + TextBox6.Text
+ "' WHERE accounts.empno='" +
ComboBox5.Text + "';"
    End If
    result =
MessageBox.Show("Are the informations
above correct? Do you want to save
changes in this account?", "Manage
Confirmation",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
    Select result
        Case DialogResult.Yes
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            sqlcon.Close()

```



```

MessageBox.Show("New account has been
modified successfully. Please take
note for the new information that
have been saved.", "Manage Message",
MessageBoxButtons.OK,
MessageBoxIcon.Information)
        Me.Close()
    End Select
Catch ex As SqlException

MessageBox.Show(ex.Message)
End Try
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
End Sub

End Class

```

MONITOR

```

Imports System.Data.SqlClient
Public Class Monitor

    Private Sub Monitor_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim length As Integer
        Dim height As Integer
        Dim query As String
        Dim list As ListViewItem
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT
room.roomid, room.roombed,
room.casenum, patient.fname,

```

```

patient.mname, patient.sname,
record.datead, room.approve FROM room
LEFT JOIN record ON
room.casenum=record.casenum LEFT JOIN
patient ON patient.hosind =
record.hosind WHERE room.category='"
+ account.ToString + "';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetString(0) + "-"
+ reader.GetInt32(1).ToString)
            If reader.IsDBNull(2)
= True Or reader.GetBoolean(7) =
False Then
                If
reader.IsDBNull(2) = True Then

list.SubItems.Add("None")

list.SubItems.Add("None")

list.SubItems.Add("Yes")
                ElseIf
reader.IsDBNull(2) = False Then

list.SubItems.Add("Admission
Processed")

list.SubItems.Add("None")

list.SubItems.Add("No")
                End If
                ElseIf
reader.GetInt32(2) <> 0 Then

list.SubItems.Add(reader.GetString(3)
+ " " +
reader.GetString(4).Substring(0, 1) +
". " + reader.GetString(5))
                    length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(6))).TotalDays

list.SubItems.Add(length)

list.SubItems.Add("No")
                End If

ListView1.Items.Add(list)
            End While
            sqlcon.Close()
            height =
ListView1.Items.Count
            If height > 10 Then

```

```

ColumnHeader1.Width =
80      ColumnHeader2.Width =
143     ColumnHeader3.Width =
36      ElseIf height < 11 Then
ColumnHeader1.Width =
82      ColumnHeader2.Width =
150     ColumnHeader3.Width =
44      End If
Catch ex As SqlException
MessageBox.Show(ex.Message)
End Try
End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
Me.Close()
Ward.Show()
End Sub

Private Sub Button5_Click(sender
As Object, e As EventArgs) Handles
Button5.Click
Me.Close()
Pending.Show()
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
Me.Close()
Submission.Show()
End Sub

Private Sub Button7_Click(sender
As Object, e As EventArgs) Handles
Button7.Click
Me.Close()
Search.Show()
End Sub

Private isMouseDown As Boolean =
False
Private mouseOffset As Point

Private Sub
Monitor_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
If e.Button =
Windows.Forms.MouseButtons.Left Then

```

```

mouseOffset = New Point(-
e.X, -e.Y)
isMouseDown = True
End If
End Sub

Private Sub
Monitor_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
If isMouseDown Then
Dim mousePos As Point =
Control.MousePosition
mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
Me.Location = mousePos
End If
End Sub

Private Sub
Monitor_MouseUp(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseUp
If e.Button =
Windows.Forms.MouseButtons.Left Then
isMouseDown = False
End If
End Sub

Private Sub Button3_Click(sender
As Object, e As EventArgs) Handles
Button3.Click
Me.Close()
End Sub

End Class

```

PENDING

```

Imports System.Data.SqlClient
Public Class Pending

Dim NotifyIcon1 As Object

Private Sub
ListView1_Click(sender As Object, e
As EventArgs) Handles ListView1.Click
Dim connection As String
Dim sqlcon As SqlConnection
Dim command As SqlCommand
Dim reader As SqlDataReader
Dim query As String
connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"

```

```

        sqlcon = New
SqlConnection(connection)
    Try
        sqlcon.Open()
        query = "SELECT
record.casenum, record.category,
room.roomid, room.roombed,
record.diagnosis, physician.fname,
physician.mname, physician.sname,
record.datead, record.timead FROM
room JOIN record ON
record.casenum=room.casenum JOIN
physician ON
physician.mdnnum=record.mdnnum WHERE
record.casenum='" +
ListView1.SelectedItems(0).ToString.S
ubstring(15, 9) + "'";"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            Label17.Text =
reader.GetInt32(0)

ComboBox1.SelectedIndex =
reader.GetInt32(1)
            ComboBox2.Text =
reader.GetString(2) + "-" +
reader.GetInt32(3).ToString
            TextBox3.Text =
reader.GetString(4)
            ComboBox6.Text =
reader.GetString(5) + " " +
reader.GetString(6).Substring(0, 1) +
". " + reader.GetString(7)
            TextBox2.Text =
reader.GetString(8)
            TextBox4.Text =
reader.GetString(9)
        End While
        sqlcon.Close()
    Catch ex As SqlException

MessageBox.Show(ex.Message)
    End Try
End Sub

Private Sub Pending_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim height As String
    Dim list As ListViewItem

```

```

        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
    Try
        sqlcon.Open()
        query = "SELECT
room.casenum, patient.hosind,
patient.fname, patient.mname,
patient.sname, room.roomid,
room.roombed FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind WHERE
room.casenum IS NOT NULL AND
record.status='True' AND
room.approve='False' and
room.category='" + account.ToString +
"'";"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

list.SubItems.Add(reader.GetString(5)
+ "-" + reader.GetInt32(6).ToString)

ListView1.Items.Add(list)
        End While
        sqlcon.Close()
        height =
ListView1.Items.Count
        If height > 17 Then
            ColumnHeader3.Width =
133

        ElseIf height < 18 Then
            ColumnHeader3.Width =
150

        End If
    Catch ex As SqlException

MessageBox.Show(ex.Message)
    End Try
End Sub

```

```

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim index As Integer
    Dim current As Integer
    Dim height As Integer
    Dim query As String
    Dim datead As String
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        sqlcon.Open()
        query = "UPDATE room SET
room.approve='True' WHERE
room.casenum='" +
ListView1.SelectedItems(0).ToString.S
ubstring(15, 9) + "'";
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        sqlcon.Close()
        MessageBox.Show("New
patient accommodation has been
approved. Please wait for the patient
to be admitted.", "Accommodation
Successful", MessageBoxButtons.OK,
MessageBoxIcon.Information)
        sqlcon.Open()
        If Now.Month < 10 Then
            datead = "0" +
Now.Month.ToString
        ElseIf Now.Month > 9 Then
            datead =
Now.Month.ToString
        End If
        query = "SELECT COUNT(1)
FROM report WHERE datenum LIKE '" +
Year(Now).ToString + datead + "%'";
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            If reader.GetInt32(0)
= 0 Then
                While index < 8
                    sqlcon.Close()
                    sqlcon.Open()

```

```

                    query =
"INSERT INTO report (datenum,
category, catname, admit, discharge,
length, improve, unimp, baby,
referred, transfer, home, abscond,
expired) VALUES ('" +
Year(Now).ToString + datead +
index.ToString + "',''" +
index.ToString + "',''" +
category(index) + "','0','0','0',
'0','0','0','0','0','0','0',
'0');"
                    command = New
SqlCommand(query, sqlcon)
                    reader =
command.ExecuteReader()
                    index = index
+ 1
                End While
            End If
        End While
        sqlcon.Close()
        sqlcon.Open()
        query = "SELECT admit
FROM report WHERE datenum='" +
Year(Now).ToString + datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
"'";
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            If reader.IsDBNull(0)
= True Then
                current = 0
            ElseIf
reader.IsDBNull(0) = False Then
                current =
reader.GetInt32(0)
            End If
            current = current + 1
        End While
        sqlcon.Close()
        sqlcon.Open()
        query = "UPDATE report
SET report.admit='" +
current.ToString + "' WHERE
datenum='" + Year(Now).ToString +
datead +
ComboBox1.SelectedIndex.ToString + "'
AND category='" +
ComboBox1.SelectedIndex.ToString +
"'";
        command = New
SqlCommand(query, sqlcon)

```

```

        reader =
command.ExecuteReader()
        sqlcon.Close()

ListView1.Items.Remove(ListView1.SelectedItems(0))
        height =
ListView1.Items.Count
        If height > 17 Then
            ColumnHeader3.Width =
133
        ElseIf height < 18 Then
            ColumnHeader3.Width =
150
        End If
        NotifyIcon1 =
Ward.NotifyIcon1

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

NotifyIcon1.BalloonTipText = "New
patient has been received."

NotifyIcon1.BalloonTipTitle =
"Patient Received"

NotifyIcon1.ShowBalloonTip(3000)
        Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
    End Sub

    Private isMouseDown As Boolean =
False
    Private mouseOffset As Point

    Private Sub
Pending_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            mouseOffset = New Point(-
e.X, -e.Y)
            isMouseDown = True
        End If
    End Sub

    Private Sub
Pending_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
        If isMouseDown Then
            Dim mousePos As Point =
Control.MousePosition

```

```

mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
            Me.Location = mousePos
        End If
    End Sub

    Private Sub
Pending_MouseUp(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseUp
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            isMouseDown = False
        End If
    End Sub

    Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
        Me.Close()
    End Sub

End Class

```

PHYSICIAN

```

Imports System.Data.SqlClient
Public Class Physician

    Dim NotifyIcon1 As Object

    Private Sub
ComboBox4_SelectedIndexChanged(sender
As Object, e As EventArgs) Handles
ComboBox4.SelectedIndexChanged
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim tmpcur As String
        Dim tmpcat As String
        Dim current As Integer
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            Select Case
ComboBox4.SelectedIndex
                Case 0 : query =
"SELECT MAX(CAST(mdnnum AS varchar))
FROM physician WHERE category ='0';"

```

```

        Case 1 : query =
"SELECT MAX(CAST(mdnnum AS varchar))
FROM physician WHERE category ='1';"
        Case 2 : query =
"SELECT MAX(CAST(mdnnum AS varchar))
FROM physician WHERE category ='2';"
        Case 3 : query =
"SELECT MAX(CAST(mdnnum AS varchar))
FROM physician WHERE category ='3';"
        End Select
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            tmpcur =
reader.GetString(0)
        End While
        tmpcat =
tmpcur.Substring(0, 3)
        tmpcur =
tmpcur.Substring(3, 3)
        current = CInt(tmpcur)
        current = current + 1
        tmpcur = tmpcat +
CStr(current)
        Label2.Text = tmpcur
        sqlcon.Close()
        Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
    End Sub

    Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim result As DialogResult
        Dim query As String
        Dim gender As Integer
        Dim category As Integer
        Dim month As String
        Dim days As String
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            If RadioButton1.Checked()
Then
                gender = 1

```

```

                ElseIf
RadioButton2.Checked() Then
                    gender = 0
                End If
            If
ComboBox1.SelectedIndex < 9 Then
                month = "0" +
CStr(ComboBox1.SelectedIndex + 1)
            ElseIf
ComboBox1.SelectedIndex > 8 Then
                month =
CStr(ComboBox1.SelectedIndex + 1)
            End If
            If
ComboBox2.SelectedIndex < 9 Then
                days = "0" +
ComboBox2.Text
            ElseIf
ComboBox2.SelectedIndex > 8 Then
                days = ComboBox2.Text
            End If
            query = "INSERT INTO
physician (mdnnum, fname, mname,
sname, gender, birthdate, category,
address) VALUES ('" + Label2.Text +
"', '" + TextBox1.Text + "', '" +
TextBox2.Text + "', '" +
TextBox3.Text + "', '" +
gender.ToString + "', '" +
ComboBox3.Text + "-" + month + "-" +
days + "', '" +
ComboBox4.SelectedIndex.ToString +
"', '" + TextBox4.Text + "');"
            result =
MessageBox.Show("Are the informations
above correct? Do you want this
physician information to be saved?",
"Physician Confirmation",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
            Select Case result
                Case DialogResult.Yes
                    command = New
SqlCommand(query, sqlcon)
                    reader =
command.ExecuteReader()
                    sqlcon.Close()

                    MessageBox.Show("New physician has
been registered. The new physician
will now be added in the Physicians
List.", "Register Message",
MessageBoxButtons.OK,
MessageBoxIcon.Information)
                    Me.Close()
                    NotifyIcon1 =
Admin.NotifyIcon1

```

```

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

NotifyIcon1.BalloonTipText = "New
physician has been registered."

NotifyIcon1.BalloonTipTitle =
"Physician Registered"

NotifyIcon1.ShowBalloonTip(3000)
    End Select
    Catch ex As SqlException

MessageBox.Show(ex.Message)
    End Try
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
End Sub

End Class

```

PREVIEW

```

Imports
CrystalDecisions.CrystalReports.Engine
Imports CrystalDecisions.Shared
Public Class Preview

    Private Sub Preview_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
        Dim reportdoc As New
ReportDocument
        Dim paramfield1 As
ParameterFieldDefinitions
        Dim paramfield2 As
ParameterFieldDefinition
        Dim paramval As New
ParameterValues
        Dim paramdisval As New
ParameterDiscreteValue
        Dim rptpath As String
        Dim rptstr As String
        Select Case reportcat
            Case 0 : rptstr =
"DayRecord"
            Case 1 : rptstr =
"MonthRecord"
            Case 2 : rptstr =
"MonthReport"

```

```

            Case 3 : rptstr =
"PhysicianList"
            Case 4 : rptstr =
"PatientReport"
            Case 5 : rptstr =
"Improved"
            Case 6 : rptstr =
"Unimproved"
            Case 7 : rptstr =
"Babies"
            Case 8 : rptstr =
"Referred"
            Case 9 : rptstr =
"Transferred"
            Case 10 : rptstr = "HAMA"
            Case 11 : rptstr =
"Absconded"
            Case 12 : rptstr =
"Expired"
            Case 13 : rptstr =
"SurgeryDiagnosis"
            Case 14 : rptstr =
"ObstetricsDiagnosis"
            Case 15 : rptstr =
"PediatricsDiagnosis"
            Case 16 : rptstr =
"MedicineDiagnosis"
        End Select
        rptpath =
Application.StartupPath.Replace("\bin
\Debug", "") & "\" & rptstr & ".rpt"
        reportdoc.Load(rptpath)
        If Not
IO.File.Exists(rptpath) Then
            Throw (New
Exception("Unable to locate report
file:" & vbCrLf & rptpath))
        End If
        Select Case reportcat
            Case 0 :
paramdisval.Value = parameter
                paramfield1 =
reportdoc.DataDefinition.ParameterFie
lds
                paramfield2 =
paramfield1.Item("DayParam")
                paramval =
paramfield2.CurrentValues
                paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramv
al)
            Case 1 :
paramdisval.Value = CInt(parameter)

```

```

        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("RecordsParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 2 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("MonthParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 4 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("IndexParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 5 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("ImproveParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

```

```

        Case 6 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("UnimpParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 7 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("BabiesParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 8 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("ReferParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 9 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("TransferParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

```



```

paramfield2.ApplyCurrentValues(paramval)

        Case 10 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("HamaParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 11 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("AbscondParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 12 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("ExpiredParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 13 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("SurgeryParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

```

```

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 14 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("ObstetricsParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 15 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("PediatricsParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        Case 16 :
paramdisval.Value = CInt(parameter)
        paramfield1 =
reportdoc.DataDefinition.ParameterFields
        paramfield2 =
paramfield1.Item("MedicineParam")
        paramval =
paramfield2.CurrentValues
        paramval.Clear()

paramval.Add(paramdisval)

paramfield2.ApplyCurrentValues(paramval)

        End Select

CrystalReportViewer1.ReportSource =
reportdoc

CrystalReportViewer1.Refresh()
        CrystalReportViewer1.Zoom(65)
        End Sub

```

```

        Private isMouseDown As Boolean =
False
        Private mouseOffset As Point

        Private Sub
Index_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
            If e.Button =
Windows.Forms.MouseButtons.Left Then
                mouseOffset = New Point(-
e.X, -e.Y)
                isMouseDown = True
            End If
        End Sub

        Private Sub
Index_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
            If isMouseDown Then
                Dim mousePos As Point =
Control.MousePosition

                mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
                Me.Location = mousePos
            End If
        End Sub

        Private Sub Index_MouseUp(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseUp
            If e.Button =
Windows.Forms.MouseButtons.Left Then
                isMouseDown = False
            End If
        End Sub

End Class

```

RECORDS

```

Imports System.Data.SqlClient
Public Class Records

    Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
        ListView1.Items.Clear()
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim current As Integer
        Dim length As Integer

```

```

        Dim height As Integer
        Dim month As String
        Dim days As String
        Dim list As ListViewItem
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            If
ComboBox9.SelectedIndex < 9 Then
                month = "0" +
CStr(ComboBox9.SelectedIndex + 1)
            ElseIf
ComboBox9.SelectedIndex > 8 Then
                month =
CStr(ComboBox9.SelectedIndex + 1)
            End If
            If
ComboBox8.SelectedIndex < 9 Then
                days = "0" +
ComboBox8.Text
            ElseIf
ComboBox8.SelectedIndex > 8 Then
                days = ComboBox8.Text
            End If
            query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, patient.birthdate,
record.category, room.roomid,
room.roombed, record.diagnosis,
physician.fname, physician.mname,
physician.sname, record.datead,
record.timead, record.disposition,
record.datedc, record.timedc,
record.length FROM record JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
physician.mdnun=record.mdnun JOIN
room ON record.roomno=room.roomno AND
physician.category=room.category AND
physician.mdnun=record.mdnun WHERE
record.datead LIKE '" +
ComboBox7.Text + "-" + month + "-" +
days + "';"

            If ComboBox9.Text <> ""
And ComboBox7.Text <> "" And
ComboBox8.Text = "" Then
                query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, patient.birthdate,
record.category, room.roomid,

```

```

room.roombed, record.diagnosis,
physician.fname, physician.mname,
physician.sname, record.datead,
record.timead, record.disposition,
record.datedc, record.timedc,
record.length FROM record JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
physician.mdnnum=record.mdnnum JOIN
room ON record.roomno=room.roomno AND
physician.category=room.category AND
physician.mdnnum=record.mdnnum WHERE
record.datead LIKE '"' +
ComboBox7.Text + "-" + month + "-"
+ ___';"

        ElseIf ComboBox7.Text <>
"" And ComboBox9.Text = "" And
ComboBox8.Text = "" Then
            query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, patient.birthdate,
record.category, room.roomid,
room.roombed, record.diagnosis,
physician.fname, physician.mname,
physician.sname, record.datead,
record.timead, record.disposition,
record.datedc, record.timedc,
record.length FROM record JOIN
patient ON
record.hosind=patient.hosind JOIN
physician ON
physician.mdnnum=record.mdnnum JOIN
room ON record.roomno=room.roomno AND
physician.category=room.category AND
physician.mdnnum=record.mdnnum WHERE
record.datead LIKE '"' +
ComboBox7.Text + "-_ _ _';"
            End If
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))
                current =
(DateTime.Now.Subtract(CDate(reader.Ge
tString(5))).TotalDays) / 365

```

```

list.SubItems.Add(current)

list.SubItems.Add(category(reader.Get
Int32(6)))

list.SubItems.Add(reader.GetString(7)
+ "-" + reader.GetInt32(8).ToString)

list.SubItems.Add(reader.GetString(9)
)

list.SubItems.Add(reader.GetString(10)
) + " " +
reader.GetString(11).Substring(0, 1)
+ ". " + reader.GetString(12))

list.SubItems.Add(reader.GetString(13)
))

list.SubItems.Add(reader.GetString(14)
))

            If
reader.IsDBNull(15) = True Then

list.SubItems.Add("None")
                ElseIf
reader.IsDBNull(15) = False Then

list.SubItems.Add(disposition(reader.
GetInt32(15)))

            End If
            If
reader.IsDBNull(16) = True Then

list.SubItems.Add("None")
                ElseIf
reader.IsDBNull(16) = False Then

list.SubItems.Add(reader.GetString(16)
))

            End If
            If
reader.IsDBNull(17) = True Then

list.SubItems.Add("None")
                ElseIf
reader.IsDBNull(17) = False Then

list.SubItems.Add(reader.GetString(17)
))

            End If
            length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(13))).TotalDays

list.SubItems.Add(length)

```

```

ListView1.Items.Add(list)
    End While
    sqlcon.Close()
    height =
ListView1.Items.Count
    If height > 20 Then
        ColumnHeader3.Width =
142
        ColumnHeader21.Width
= 141
    ElseIf height < 21 Then
        ColumnHeader3.Width =
150
        ColumnHeader21.Width
= 150
    End If
Catch ex As SqlException

MessageBox.Show(ex.Message)
    End Try
End Sub

Private isMouseDown As Boolean =
False
Private mouseOffset As Point

Private Sub
Records_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        mouseOffset = New Point(-
e.X, -e.Y)
        isMouseDown = True
    End If
End Sub

Private Sub
Records_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
    If isMouseDown Then
        Dim mousePos As Point =
Control.MousePosition

mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
        Me.Location = mousePos
    End If
End Sub

Private Sub
Records_MouseUp(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseUp

```

```

    If e.Button =
Windows.Forms.MouseButtons.Left Then
        isMouseDown = False
    End If
End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
    Me.Close()
End Sub

End Class

```

Register

```

Imports System.Data.SqlClient
Public Class Register

    Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim result As DialogResult
        Dim query As String
        Dim gender As Integer
        Dim category As Integer
        Dim mstatus As Integer
        Dim month As String
        Dim days As String
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            If RadioButton1.Checked()
Then
                gender = 1
            ElseIf
RadioButton2.Checked() Then
                gender = 0
            End If
            If RadioButton5.Checked()
Then
                mstatus = 2
            ElseIf
RadioButton6.Checked() Then
                mstatus = 1
            ElseIf
RadioButton7.Checked() Then

```

```

        mstatus = 0
    End If
    If
        ComboBox1.SelectedIndex < 9 Then
            month = "0" +
CStr(ComboBox1.SelectedIndex + 1)
        ElseIf
            ComboBox1.SelectedIndex > 8 Then
                month =
CStr(ComboBox1.SelectedIndex + 1)
            End If
        If
            ComboBox2.SelectedIndex < 9 Then
                days = "0" +
            ComboBox2.Text
            ElseIf
                ComboBox2.SelectedIndex > 8 Then
                    days = ComboBox2.Text
                End If
            If
                ComboBox4.SelectedIndex = 0 Then
                    query = "INSERT INTO
accounts (empno, fname, mname, sname,
birthdate, gender, mstatus, position,
username, password) VALUES ('" +
Label12.Text + "', '" + TextBox1.Text
+ "', '" + TextBox2.Text + "', '" +
TextBox3.Text + "', '" +
ComboBox3.Text + "-" + month + "-" +
days + "', '" + gender.ToString + "',
'" + mstatus.ToString + "', '" +
ComboBox5.Text + "', '" +
TextBox5.Text + "', '" +
TextBox6.Text + "');"
                ElseIf
                    ComboBox4.SelectedIndex <> 0 Then
                        category =
ComboBox4.SelectedIndex + 1
                        query = "INSERT INTO
accounts (empno, fname, mname, sname,
birthdate, gender, mstatus, category,
position, username, password) VALUES
('" + Label12.Text + "', '" +
TextBox1.Text + "', '" +
TextBox2.Text + "', '" +
TextBox3.Text + "', '" +
ComboBox3.Text + "-" + month + "-" +
days + "', '" + gender.ToString + "',
'" + mstatus.ToString + "', '" +
category.ToString + "', '" +
ComboBox5.Text + "', '" +
TextBox5.Text + "', '" +
TextBox6.Text + "');"
                    End If
                result =
                MessageBox.Show("Are the informations
above correct? Do you want this
account information to be saved?",

```

```

"Register Confirmation",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
        Select Case result
            Case DialogResult.Yes
                command = New
                SqlCommand(query, sqlcon)
                reader =
                command.ExecuteReader()
                sqlcon.Close()

                MessageBox.Show("New account has been
created. The default password is
12345. Change the password
immediately for account security.",
"Register Message",
MessageBoxButtons.OK,
MessageBoxIcon.Information)
                Me.Close()
            End Select
        Catch ex As SqlException

                MessageBox.Show(ex.Message)
            End Try
        End Sub

        Private Sub
            ComboBox4_SelectedIndexChanged(sender
As Object, e As EventArgs) Handles
            ComboBox4.SelectedIndexChanged
                Dim connection As String
                Dim sqlcon As SqlConnection
                Dim command As SqlCommand
                Dim reader As SqlDataReader
                Dim query As String
                Dim current As Integer
                Dim category As Integer
                connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
                sqlcon = New
                SqlConnection(connection)
                Try
                    sqlcon.Open()
                    category =
                    ComboBox4.SelectedIndex - 1
                    query = "SELECT
MAX(empno) AS HighestValue FROM
accounts WHERE category='" +
category.ToString + "';"
                    If category = -1 Then
                        query = "SELECT
MAX(empno) AS HighestValue FROM
accounts WHERE category IS NULL;"
                    End If
                    command = New
                    SqlCommand(query, sqlcon)

```

```

        reader =
command.ExecuteReader()
        While reader.Read()
            current =
reader.GetInt32(0)
        End While
        current = current + 1
        Label2.Text = current
    Catch ex As SqlException

MessageBox.Show(ex.Message)
    End Try
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
End Sub
End Class

```

REPORTS

```
Public Class Reports
```

```

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
    Dim rptparam As String
    Dim datead() As String = {"",
""}

    Select Case
ComboBox3.SelectedIndex
        Case 0 : If Now.Month <
10 Then
            datead(0) = "0" +
Now.Month.ToString
        ElseIf Now.Month > 9
Then
            datead(0) =
Now.Month.ToString
        End If
        If Now.Day < 10 Then
            datead(1) = "0" +
Now.Day.ToString
        ElseIf Now.Day > 9
Then
            datead(1) =
Now.Day.ToString
        End If
        parameter =
Year(Now).ToString + "-" + datead(0)
+ "-" + datead(1)
        Case 1 : If
ComboBox4.SelectedIndex < 9 Then
            rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)

```

```

ElseIf
ComboBox4.SelectedIndex > 8 Then
            rptparam =
CStr(ComboBox4.SelectedIndex + 1)
        End If
        parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 2 : If
ComboBox4.SelectedIndex < 9 Then
            rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
        ElseIf
ComboBox4.SelectedIndex > 8 Then
            rptparam =
CStr(ComboBox4.SelectedIndex + 1)
        End If
        parameter =
ComboBox1.Text + rptparam + "0"
        Case 4 : parameter =
TextBox7.Text
        Case 5 : If
ComboBox4.SelectedIndex < 9 Then
            rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
        ElseIf
ComboBox4.SelectedIndex > 8 Then
            rptparam =
CStr(ComboBox4.SelectedIndex + 1)
        End If
        parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 6 : If
ComboBox4.SelectedIndex < 9 Then
            rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
        ElseIf
ComboBox4.SelectedIndex > 8 Then
            rptparam =
CStr(ComboBox4.SelectedIndex + 1)
        End If
        parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 7 : If
ComboBox4.SelectedIndex < 9 Then
            rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
        ElseIf
ComboBox4.SelectedIndex > 8 Then
            rptparam =
CStr(ComboBox4.SelectedIndex + 1)
        End If
        parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"

```

```

        Case 8 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If
    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 9 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If
    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 10 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If
    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 11 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If
    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 12 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If

```

```

    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 13 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If
    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 14 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If
    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 15 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If
    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
        Case 16 : If
ComboBox4.SelectedIndex < 9 Then
    rptparam = "0" +
CStr(ComboBox4.SelectedIndex + 1)
ElseIf
ComboBox4.SelectedIndex > 8 Then
    rptparam =
CStr(ComboBox4.SelectedIndex + 1)
End If
    parameter =
ComboBox1.Text.Substring(2, 2) +
rptparam + "00000"
End Select
reportcat =
ComboBox3.SelectedIndex
Me.SendToBack()
Preview.Show()
End Sub

```

```

Private isMouseDown As Boolean =
False
Private mouseOffset As Point

Private Sub
Index_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        mouseOffset = New Point(-
e.X, -e.Y)
        isMouseDown = True
    End If
End Sub

Private Sub
Index_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
    If isMouseDown Then
        Dim mousePos As Point =
Control.MousePosition

mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
        Me.Location = mousePos
    End If
End Sub

Private Sub Index_MouseUp(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseUp
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        isMouseDown = False
    End If
End Sub

Private Sub
ComboBox3_SelectedIndexChanged(sender
As Object, e As EventArgs) Handles
ComboBox3.SelectedIndexChanged
    TextBox7.Clear()
    If ComboBox3.SelectedIndex =
0 Or ComboBox3.SelectedIndex = 3 Then
        ComboBox4.DropDownStyle =
ComboBoxStyle.DropDown
        ComboBox1.DropDownStyle =
ComboBoxStyle.DropDown
        ComboBox4.Enabled = False
        ComboBox1.Enabled = False
        TextBox7.Enabled = False
    ElseIf
ComboBox3.SelectedIndex = 4 Then
        ComboBox4.DropDownStyle =
ComboBoxStyle.DropDown

```

```

        ComboBox1.DropDownStyle =
ComboBoxStyle.DropDown
        ComboBox4.Enabled = False
        ComboBox1.Enabled = False
        TextBox7.Enabled = True
    ElseIf
ComboBox3.SelectedIndex <> 0 Or
ComboBox3.SelectedIndex <> 3 And
ComboBox3.SelectedIndex <> 4 Then
        ComboBox4.DropDownStyle =
ComboBoxStyle.DropDown
        ComboBox1.DropDownStyle =
ComboBoxStyle.DropDown
        ComboBox4.Enabled = True
        ComboBox1.Enabled = True
        TextBox7.Enabled = False
    End If
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
End Sub

Private Sub Reports_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
    ComboBox4.DropDownStyle =
ComboBoxStyle.DropDown
    ComboBox1.DropDownStyle =
ComboBoxStyle.DropDown
End Sub

Private Sub
TextBox7_KeyDown(sender As Object, e
As KeyEventArgs) Handles
TextBox7.KeyDown
    If e.KeyCode = Keys.Enter
Then
        Button1.PerformClick()
    End If
End Sub

```

End Class

RETRIEVE

```

Imports System.Data.SqlClient
Public Class Retrieve

```

```

    Public gndtmp As Integer
    Public mstemp As Integer

```

```

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    ListView1.Items.Clear()

```



```

        If RadioButton7.Checked =
True Then
            mstemp = 0
        ElseIf
RadioButton6.Checked = True Then
            mstemp = 1
        ElseIf
RadioButton5.Checked = True Then
            mstemp = 2
        End If
        sqlcon.Open()
        query = "SELECT * FROM
patient WHERE patient.hosind='" +
ListView1.SelectedItems(0).ToString.S
ubstring(15, 10) + "';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            Label12.Text =
reader.GetInt32(0)
            TextBox1.Text =
reader.GetString(1)
            TextBox2.Text =
reader.GetString(2)
            TextBox3.Text =
reader.GetString(3)
            If
reader.GetString(4).Substring(5, 1) =
"0" Then
                ComboBox5.Text =
months(CInt(reader.GetString(4).Subst
ring(6, 1)) - 1)
            ElseIf
reader.GetString(4).Substring(5, 1)
<> "0" Then
                ComboBox5.Text =
months(CInt(reader.GetString(4).Subst
ring(5, 2)) - 1)
            End If
            If
reader.GetString(4).Substring(8, 1) =
"0" Then
                ComboBox2.Text =
reader.GetString(4).Substring(9, 1)
            ElseIf
reader.GetString(4).Substring(8, 1)
<> "0" Then
                ComboBox2.Text =
reader.GetString(4).Substring(8, 2)
            End If
            ComboBox1.Text =
reader.GetString(4).Substring(0, 4)
            If
reader.GetBoolean(5) = False Then
RadioButton2.PerformClick()

```

```

        ElseIf
reader.GetBoolean(5) = True Then
RadioButton1.PerformClick()
        End If
        TextBox4.Text =
reader.GetString(6)
        If reader.GetInt32(7)
= 0 Then
RadioButton7.PerformClick()
        ElseIf
reader.GetInt32(7) = 1 Then
RadioButton6.PerformClick()
        ElseIf
reader.GetInt32(7) = 2 Then
RadioButton5.PerformClick()
        End If
        TextBox5.Text =
reader.GetString(8)
        If
reader.GetString(9).Substring(5, 1) =
"0" Then
            ComboBox6.Text =
months(CInt(reader.GetString(9).Subst
ring(6, 1)) - 1)
        ElseIf
reader.GetString(9).Substring(5, 1)
<> "0" Then
            ComboBox6.Text =
months(CInt(reader.GetString(9).Subst
ring(5, 2)) - 1)
        End If
        If
reader.GetString(9).Substring(8, 1) =
"0" Then
            ComboBox4.Text =
reader.GetString(9).Substring(9, 1)
        ElseIf
reader.GetString(9).Substring(8, 1)
<> "0" Then
            ComboBox4.Text =
reader.GetString(9).Substring(8, 2)
        End If
        ComboBox3.Text =
reader.GetString(4).Substring(0, 4)
        End While
        sqlcon.Close()
        Catch ex As SqlException
MessageBox.Show(ex.Message)
        End Try
        End Sub

        Private isMouseDown As Boolean =
False

```

```

        Private mouseOffset As Point

        Private Sub
Retrieve_MouseDown(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseDown
            If e.Button =
Windows.Forms.MouseButtons.Left Then
                mouseOffset = New Point(-
e.X, -e.Y)
                isMouseDown = True
            End If
        End Sub

        Private Sub
Retrieve_MouseMove(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseMove
            If isMouseDown Then
                Dim mousePos As Point =
Control.MousePosition

                mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
                Me.Location = mousePos
            End If
        End Sub

        Private Sub
Retrieve_MouseUp(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseUp
            If e.Button =
Windows.Forms.MouseButtons.Left Then
                isMouseDown = False
            End If
        End Sub

        Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
            Me.Close()
        End Sub

        Private Sub
RadioButton1_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton1.CheckedChanged
            If gndtmp <> 0 Then

RadioButton2.PerformClick()
                End If
        End Sub

        Private Sub
RadioButton2_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton2.CheckedChanged

```

```

            If gndtmp <> 1 Then

RadioButton1.PerformClick()
                End If
            End Sub

            Private Sub
RadioButton7_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton7.CheckedChanged
                If mstemp <> 0 And mstemp <>
2 Then

RadioButton6.PerformClick()
                    ElseIf mstemp <> 0 And mstemp
<> 1 Then

RadioButton5.PerformClick()
                        End If
                    End Sub

                Private Sub
RadioButton6_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton6.CheckedChanged
                    If mstemp <> 1 And mstemp <>
2 Then

RadioButton7.PerformClick()
                        ElseIf mstemp <> 1 And mstemp
<> 0 Then

RadioButton5.PerformClick()
                            End If
                        End Sub

                Private Sub
RadioButton5_CheckedChanged(sender As
Object, e As EventArgs) Handles
RadioButton5.CheckedChanged
                    If mstemp <> 2 And mstemp <>
0 Then

RadioButton6.PerformClick()
                        ElseIf mstemp <> 2 And mstemp
<> 1 Then

RadioButton7.PerformClick()
                            End If
                        End Sub

                End Class

```

ROOMS

```

Imports System.Data.SqlClient
Public Class Rooms

```

```

Private Sub Rooms_Load(sender As
Object, e As EventArgs) Handles
MyBase.Load
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim index As Integer
    Dim length As Integer
    Dim query As String
    Dim height As Integer
    Dim list As ListViewItem
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        While index < 4
            sqlcon.Open()
            query = "SELECT
room.category, room.roomid,
room.roombed, room.casenum,
patient.fname, patient.mname,
patient.sname, record.datead,
room.approve FROM room LEFT JOIN
record ON room.casenum=record.casenum
LEFT JOIN patient ON patient.hosind =
record.hosind WHERE room.category='"
+ index.ToString + "';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                list = New
ListViewItem(reader.GetString(1) + "-"
+ reader.GetInt32(2).ToString)
                If
reader.IsDBNull(3) = True Or
reader.GetBoolean(8) = False Then
                    If
reader.IsDBNull(3) = True Then
list.SubItems.Add("None")

list.SubItems.Add("None")

list.SubItems.Add("Yes")
                    ElseIf
reader.IsDBNull(3) = False Then
list.SubItems.Add("Admission
Processed")

list.SubItems.Add("None")

```

```

list.SubItems.Add("No")
                End If
            ElseIf
reader.GetInt32(3) <> 0 Then
list.SubItems.Add(reader.GetString(4)
+ " " +
reader.GetString(5).Substring(0, 1) +
". " + reader.GetString(6))
                length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(7))).TotalDays
list.SubItems.Add(length)

list.SubItems.Add("No")
                End If
            Select Case
reader.GetInt32(0)
                Case 0 :
list.Group =
ListView1.Groups("ListViewGroup1")
                Case 1 :
list.Group =
ListView1.Groups("ListViewGroup2")
                Case 2 :
list.Group =
ListView1.Groups("ListViewGroup3")
                Case 3 :
list.Group =
ListView1.Groups("ListViewGroup4")
            End Select

ListView1.Items.Add(list)
            End While
            index = index + 1
            sqlcon.Close()
            height =
ListView1.Items.Count
            If height > 6 Then
ColumnHeader1.Width = 82

ColumnHeader3.Width = 46

ColumnHeader13.Width = 62
                ElseIf height < 7
Then
ColumnHeader1.Width = 85

ColumnHeader3.Width = 50

ColumnHeader13.Width = 72
            End If
        End While
    Catch ex As SqlException

```

```

        MessageBox.Show(ex.Message)
    End Try
End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
    Me.Close()
    Admin.Show()
End Sub

Private Sub Button5_Click(sender
As Object, e As EventArgs) Handles
Button5.Click
    Dim result As DialogResult
    result =
    MessageBox.Show("Will you admit an
old patient of the hospital?",
"Patient Confirmation",
MessageBoxButtons.YesNoCancel,
MessageBoxIcon.Question)
    Select Case result
        Case DialogResult.Yes
            Me.Close()
            Index.Show()
        Case DialogResult.No
            Me.Close()
            Addition.Show()
    End Select
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
    Discharge.Show()
End Sub

Private Sub Button7_Click(sender
As Object, e As EventArgs) Handles
Button7.Click
    Me.Close()
    Search.Show()
End Sub

Private isMouseDown As Boolean =
False
Private mouseOffset As Point

Private Sub
Rooms_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        mouseOffset = New Point(-
e.X, -e.Y)

```

```

        isMouseDown = True
    End If
End Sub

Private Sub
Rooms_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
    If isMouseDown Then
        Dim mousePos As Point =
Control.MousePosition
        mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
        Me.Location = mousePos
    End If
End Sub

Private Sub Rooms_MouseUp(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseUp
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        isMouseDown = False
    End If
End Sub

Private Sub Button3_Click(sender
As Object, e As EventArgs) Handles
Button3.Click
    Me.Close()
End Sub

End Class

```

SEARCH

```

Imports System.Data.SqlClient
Public Class Search

    Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
        ListView1.Items.Clear()
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim index As Integer
        Dim length As Integer
        Dim height As Integer
        Dim query As String
        Dim list As ListViewItem
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"

```

```

        sqlcon = New
SqlConnection(connection)
    Try
        While index < 4
            sqlcon.Open()
            query = "SELECT
record.casenum, patient.fname,
patient.mname, patient.sname,
room.roomid, room.roombed,
record.datead FROM record JOIN
patient ON
record.hosind=patient.hosind JOIN
room ON record.casenum=room.casenum
JOIN physician ON
record.mdnum=physician.mdnum WHERE
patient.fname LIKE '" + TextBox6.Text
+ "%' AND patient.mname LIKE '" +
TextBox5.Text + "%' AND patient.sname
LIKE '" + TextBox1.Text + "%' AND
room.category='" + index.ToString +
"';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetString(1)
+ " " +
reader.GetString(2).Substring(0, 1) +
". " + reader.GetString(3))
                Select Case index
                    Case 0 :
list.Group =
ListView1.Groups("ListViewGroup1")
                    Case 1 :
list.Group =
ListView1.Groups("ListViewGroup2")
                    Case 2 :
list.Group =
ListView1.Groups("ListViewGroup3")
                    Case 3 :
list.Group =
ListView1.Groups("ListViewGroup4")
                End Select

list.SubItems.Add(reader.GetString(4)
+ "-" + reader.GetInt32(5).ToString)
                length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(6))).TotalDays

list.SubItems.Add(length)

ListView1.Items.Add(list)
            End While

```

```

        index = index + 1
        sqlcon.Close()
        Height =
ListView1.Items.Count
        If height > 5 Then

ColumnHeader1.Width = 85

ColumnHeader2.Width = 152

ColumnHeader3.Width = 86
            ElseIf height < 6
Then
ColumnHeader1.Width = 90

ColumnHeader2.Width = 160

ColumnHeader3.Width = 90
            End If
        End While
        Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
    End Sub

    Private Sub
ListView1_Click(sender As Object, e
As EventArgs) Handles ListView1.Click
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim weeks As Integer
        Dim days As Integer
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT
record.casenum, patient.fname,
patient.mname, patient.sname,
record.category, room.roomid,
room.roombed, record.diagnosis,
physician.fname, physician.mname,
physician.sname, record.datead FROM
record JOIN patient ON
record.hosind=patient.hosind JOIN
room ON record.casenum=room.casenum
JOIN physician ON
record.mdnum=physician.mdnum WHERE
record.casenum='" +

```

```

ListView1.SelectedItems(0).ToString.Substring(15, 9) + "'";
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            Label17.Text =
reader.GetInt32(0)
            TextBox2.Text =
reader.GetString(1)
            TextBox4.Text =
reader.GetString(2)
            TextBox7.Text =
reader.GetString(3)

ComboBox1.SelectedIndex =
reader.GetInt32(4)
            ComboBox2.Text =
reader.GetString(5) + "-" +
reader.GetInt32(6).ToString
            TextBox3.Text =
reader.GetString(7)
            ComboBox6.Text =
reader.GetString(8) + " " +
reader.GetString(9).Substring(0, 1) +
". " + reader.GetString(10)
            days =
DateTime.Now.Subtract(CDate(reader.GetString(11))).TotalDays
            weeks = days \ 7
            days = days Mod 7
            TextBox9.Text = weeks
            TextBox8.Text = days

ComboBox3.SelectedIndex = 1

ComboBox4.SelectedIndex = 0
        End While
        sqlcon.Close()
        Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
    End Sub

    Private isMouseDown As Boolean =
False
    Private mouseOffset As Point

    Private Sub
Search_MouseDown(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseDown
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            mouseOffset = New Point(-
e.X, -e.Y)

```

```

            isMouseDown = True
        End If
    End Sub

    Private Sub
Search_MouseMove(sender As Object, e
As MouseEventArgs) Handles
MyBase.MouseMove
        If isMouseDown Then
            Dim mousePos As Point =
Control.MousePosition

mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
            Me.Location = mousePos
        End If
    End Sub

    Private Sub Search_MouseUp(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseUp
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            isMouseDown = False
        End If
    End Sub

    Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
        Me.Close()
    End Sub

End Class

```

SPLASH SCREEN

```

Public NotInheritable Class
SplashScreen

```

```

    'TODO: This form can easily be
set as the splash screen for the
application by going to the
"Application" tab
    ' of the Project Designer
("Properties" under the "Project"
menu).

```

```

    Private Sub
SplashScreen_Load(ByVal sender As
Object, ByVal e As System.EventArgs)
Handles Me.Load
        'Set up the dialog text at
runtime according to the
application's assembly information.

```

```

        'TODO: Customize the
application's assembly information in
the "Application" pane of the project
    ' properties dialog (under
the "Project" menu).

```

```

        'Application title
    If My.Application.Info.Title
<> "" Then
        ApplicationTitle.Text =
My.Application.Info.Title
    Else
        'If the application title
is missing, use the application name,
without the extension
        ApplicationTitle.Text =
System.IO.Path.GetFileNameWithoutExt
ension(My.Application.Info.AssemblyNam
e)
    End If

```

```

        'Format the version
information using the text set into
the Version control at design time as
the
    ' formatting string. This
allows for effective localization if
desired.
    ' Build and revision
information could be included by
using the following code and changing
the
    ' Version control's
designtime text to "Version
{0}.{1:00}.{2}.{3}" or something
similar. See
    ' String.Format() in Help
for more information.

```

```

        '
        ' Version.Text =
System.String.Format(Version.Text,
My.Application.Info.Version.Major,
My.Application.Info.Version.Minor,
My.Application.Info.Version.Build,
My.Application.Info.Version.Revision)

```

```

        Version.Text =
System.String.Format(Version.Text,
My.Application.Info.Version.Major,
My.Application.Info.Version.Minor)

```

```

        'Copyright info
        Copyright.Text =
My.Application.Info.Copyright
        Timer1.Start()
    End Sub

```

```

        Private Sub Timer1_Tick(sender As
Object, e As EventArgs) Handles
Timer1.Tick
            Login.Show()
            Me.Close()
        End Sub

```

```

End Class

```

SUBMISSION

```

Imports System.Data.SqlClient
Public Class Submission

```

```

    Dim NotifyIcon1 As Object

```

```

    Private Sub
Submission_Load(sender As Object, e
As EventArgs) Handles MyBase.Load
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim height As Integer
        Dim list As ListViewItem
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            sqlcon.Open()
            query = "SELECT
room.casenum, patient.hosind,
patient.fname, patient.mname,
patient.sname, room.roomid,
room.roombed FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind WHERE
room.casenum IS NOT NULL AND
room.approve='True' and
room.category='" + account.ToString +
"'"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                list = New
ListViewItem(reader.GetInt32(0))
list.SubItems.Add(reader.GetInt32(1))

```



```

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

list.SubItems.Add(reader.GetString(5)
+ "-" + reader.GetInt32(6).ToString)

ListView1.Items.Add(list)
End While
sqlcon.Close()
height =
ListView1.Items.Count
If height > 17 Then
ColumnHeader3.Width =
133
End If
Catch ex As SqlException

MessageBox.Show(ex.Message)
End Try
End Sub

Private Sub
ListView1_Click(sender As Object, e
As EventArgs) Handles ListView1.Click
Dim connection As String
Dim sqlcon As SqlConnection
Dim command As SqlCommand
Dim reader As SqlDataReader
Dim query As String
Dim category As Integer
connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
sqlcon = New
SqlConnection(connection)
Try
sqlcon.Open()
query = "SELECT
record.casenum, record.category,
room.roomid, room.roombed,
record.diagnosis, physician.fname,
physician.mname, physician.sname,
record.datead, record.timead FROM
room JOIN record ON
record.casenum=room.casenum JOIN
physician ON
physician.mdnnum=record.mdnnum WHERE
record.casenum='" +
ListView1.SelectedItems(0).ToString.S
ubstring(15, 9) + "';"
command = New
SqlCommand(query, sqlcon)
reader =
command.ExecuteReader()

```

```

While reader.Read()
Label17.Text =
reader.GetInt32(0)

ComboBox1.SelectedIndex =
reader.GetInt32(1)
ComboBox2.Text =
reader.GetString(2) + "-" +
reader.GetInt32(3).ToString
TextBox3.Text =
reader.GetString(4)
ComboBox6.Text =
reader.GetString(5) + " " +
reader.GetString(6).Substring(0, 1) +
". " + reader.GetString(7)
TextBox2.Text =
reader.GetString(8)
TextBox4.Text =
reader.GetString(9)
End While
sqlcon.Close()
Catch ex As SqlException

MessageBox.Show(ex.Message)
End Try
End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
Dim connection As String
Dim sqlcon As SqlConnection
Dim command As SqlCommand
Dim reader As SqlDataReader
Dim query As String
Dim length As Integer
Dim datedc() As String = {"",
"", ""}
Dim timedc() As String = {"",
"", ""}
Dim category As Integer
Dim roomnum As Integer
connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
sqlcon = New
SqlConnection(connection)
Try
datedc(0) =
Now.Year.ToString
If Now.Month < 10 Then
datedc(1) = "0" +
Now.Month.ToString
ElseIf Now.Month > 9 Then
datedc(1) =
Now.Month.ToString
End If

```

```

        If Now.Day < 10 Then
            datedc(2) = "0" +
Now.Day.ToString
        ElseIf Now.Day > 9 Then
            datedc(2) =
Now.Day.ToString
        End If
        If Now.Hour < 10 Then
            timedc(0) = "0" +
Now.Hour.ToString
        ElseIf Now.Hour > 9 Then
            timedc(0) =
Now.Hour.ToString
        End If
        If Now.Minute < 10 Then
            timedc(1) = "0" +
Now.Minute.ToString
        ElseIf Now.Minute > 9
Then
            timedc(1) =
Now.Minute.ToString
        End If
        If Now.Second < 10 Then
            timedc(2) = "0" +
Now.Second.ToString
        ElseIf Now.Second > 9
Then
            timedc(2) =
Now.Second.ToString
        End If
        sqlcon.Open()
        query = "SELECT
record.datead, room.category,
room.roomno FROM record JOIN room ON
room.casenum=record.casenum WHERE
record.casenum='" + Label17.Text +
"';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(0))).TotalDays
            category =
reader.GetInt32(1)
            roomnum =
reader.GetInt32(2)
        End While
        sqlcon.Close()
        sqlcon.Open()
        query = "UPDATE record
SET record.datedc='" + datedc(0) + "-"
+ datedc(1) + "-" + datedc(2) + "',
record.timedc='" + timedc(0) + ":" +
timedc(1) + ":" + timedc(2) + "',
record.length='" + length.ToString +

```

```

        "', record.status='False' WHERE
record.casenum='" +
ListView1.SelectedItems(0).ToString.S
ubstring(15, 9) + "';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        sqlcon.Close()
        sqlcon.Open()
        query = "UPDATE room SET
room.approve='False' where
room.category='" + category.ToString
+ "' AND room.roomno='" +
roomnum.ToString + "';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        sqlcon.Close()
        MessageBox.Show("New
patient has been added to queue.
Please wait until the Admitting Clerk
approve the request.", "Submission
Status", MessageBoxButtons.OK,
MessageBoxIcon.Information)

        ListView1.Items.Remove(ListView1.Sele
ctedItems(0))
        NotifyIcon1 =
Ward.NotifyIcon1

        NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

        NotifyIcon1.BalloonTipText = "New
patient has been released."

        NotifyIcon1.BalloonTipTitle =
"Patient Released"

        NotifyIcon1.ShowBalloonTip(3000)
        Catch ex As SqlException

        MessageBox.Show(ex.Message)
        End Try
    End Sub

    Private isMouseDown As Boolean =
False
    Private mouseOffset As Point

    Private Sub
Submission_MouseDown(sender As
Object, e As MouseEventArgs) Handles
MyBase.MouseDown
        If e.Button =
Windows.Forms.MouseButtons.Left Then

```

```

        mouseOffset = New Point(-
e.X, -e.Y)
        isMouseDown = True
    End If
End Sub

Private Sub
Submission_MouseMove(sender As
Object, e As MouseEventArgs) Handles
MyBase.MouseMove
    If isMouseDown Then
        Dim mousePos As Point =
Control.MousePosition

mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
        Me.Location = mousePos
    End If
End Sub

Private Sub
Submission_MouseUp(sender As Object,
e As MouseEventArgs) Handles
MyBase.MouseUp
    If e.Button =
Windows.Forms.MouseButtons.Left Then
        isMouseDown = False
    End If
End Sub

Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
    Me.Close()
End Sub

End Class

```

WARD

```

Imports System.Data.SqlClient
Public Class Ward

    Private Sub Ward_Load(sender As
Object, e As EventArgs) Handles
MyBase.Load
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim length As Integer
        Dim height As Integer
        Dim list As ListViewItem
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"

```

```

        sqlcon = New
SqlConnection(connection)
        Try
            Label1.Text =
Date.Now().ToString("MMMM dd, yyyy")
            Label2.Text =
Date.Now().ToString("hh:mm:ss tt")
            ListView1.Items.Clear()
            Timer1.Start()
            Timer2.Start()
            sqlcon.Open()
            query = "UPDATE accounts
SET accounts.status='True' WHERE
accounts.username='" + details(0) +
"' AND accounts.password='" +
details(1) + "';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            sqlcon.Close()
            sqlcon.Open()
            query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomid,
room.roombed, record.diagnosis,
record.datead, room.approve FROM room
JOIN record ON
record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
room.category='" + account.ToString +
"';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

list.SubItems.Add(reader.GetString(5)
+ "-" + reader.GetInt32(6).ToString)

list.SubItems.Add(reader.GetString(7)
)

                length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(8))).TotalDays

```

```

list.SubItems.Add(length)

list.SubItems.Add(reader.GetBoolean(9
))

ListView1.Items.Add(list)
    counter(0) =
counter(0) + 1
    End While
    sqlcon.Close()
    sqlcon.Open()
    query = "SELECT
room.casenum, patient.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomno FROM room JOIN record ON
record.casenum=room.casenum JOIN
patient ON
record.hosind=patient.hosind WHERE
room.casenum IS NOT NULL AND
record.status='True' AND
room.approve='False' and
room.category='" + account.ToString +
"';"

    command = New
SqlCommand(query, sqlcon)
    reader =
command.ExecuteReader()
    While reader.Read()
        counter(1) =
counter(1) + 1
    End While
    sqlcon.Close()
    sqlcon.Open()
    query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomno,
record.diagnosis, record.datead,
room.category FROM room JOIN record
ON record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
record.status='False' AND
record.disposition IS NULL AND
room.category='" + account.ToString +
"';"

    command = New
SqlCommand(query, sqlcon)
    reader =
command.ExecuteReader()
    While reader.Read()
        counter(2) =
counter(2) + 1
    End While
    sqlcon.Close()

```

```

height =
ListView1.Items.Count
If height > 18 Then
    ColumnHeader3.Width =
133
    ColumnHeader6.Width =
42
    ColumnHeader5.Width =
91
ElseIf height < 19 Then
    ColumnHeader3.Width =
140
    ColumnHeader6.Width =
45
    ColumnHeader5.Width =
98
End If
TextBox5.Text =
counter(0)
TextBox3.Text =
counter(1)

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

NotifyIcon1.BalloonTipText = "Welcome
Ward Nurse!"

NotifyIcon1.BalloonTipTitle = "Login
Successful"

NotifyIcon1.ShowBalloonTip(3000)
Catch ex As SqlException

MessageBox.Show(ex.Message)
End Try
End Sub

Private Sub Button1_Click(sender
As Object, e As EventArgs) Handles
Button1.Click
    Me.SendToBack()
    Monitor.Show()
End Sub

Private Sub Button5_Click(sender
As Object, e As EventArgs) Handles
Button5.Click
    Me.SendToBack()
    Pending.Show()
End Sub

Private Sub Button4_Click(sender
As Object, e As EventArgs) Handles
Button4.Click
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand

```

```

        Dim reader As SqlDataReader
        Dim query As String
        Dim result As DialogResult
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        Try
            result =
                MessageBox.Show("Are you sure to
                logout your account now?", "Logout
                Confirmation",
                MessageBoxButtons.YesNo,
                MessageBoxIcon.Question)
            Select Case result
                Case DialogResult.Yes
                    sqlcon.Open()
                    query = "UPDATE
accounts SET accounts.status='False'
WHERE accounts.username='" +
details(0) + "' AND
accounts.password='" + details(1) +
"'"
                    command = New
SqlCommand(query, sqlcon)
                    reader =
command.ExecuteReader()
                    sqlcon.Close()
                    Me.Close()
                    Login.Show()
            End Select
        Catch ex As SqlException

        MessageBox.Show(ex.Message)
        End Try
    End Sub

    Private Sub Button2_Click(sender
As Object, e As EventArgs) Handles
Button2.Click
        Me.SendToBack()
        Submission.Show()
    End Sub

    Private Sub Button3_Click(sender
As Object, e As EventArgs) Handles
Button3.Click
        Me.SendToBack()
        Search.Show()
    End Sub

    Private isMouseDown As Boolean =
False
    Private mouseOffset As Point

```

```

        Private Sub Ward_MouseDown(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseDown
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            mouseOffset = New Point(-
e.X, -e.Y)
            isMouseDown = True
        End If
    End Sub

    Private Sub Ward_MouseMove(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseMove
        If isMouseDown Then
            Dim mousePos As Point =
Control.MousePosition
            mousePos.Offset(mouseOffset.X,
mouseOffset.Y)
            Me.Location = mousePos
        End If
    End Sub

    Private Sub Ward_MouseUp(sender
As Object, e As MouseEventArgs)
Handles MyBase.MouseUp
        If e.Button =
Windows.Forms.MouseButtons.Left Then
            isMouseDown = False
        End If
    End Sub

    Private Sub
AdmissionToolStripMenuItem_Click(send
er As Object, e As EventArgs) Handles
AdmissionToolStripMenuItem.Click
        Me.SendToBack()
        Pending.Show()
    End Sub

    Private Sub
DischargeToolStripMenuItem_Click(send
er As Object, e As EventArgs) Handles
DischargeToolStripMenuItem.Click
        Me.SendToBack()
        Submission.Show()
    End Sub

    Private Sub
SearchPatientToolStripMenuItem_Click(
sender As Object, e As EventArgs)
Handles
SearchPatientToolStripMenuItem.Click
        Me.SendToBack()
        Search.Show()
    End Sub

```

```

        Private Sub
AccommodationToolStripMenuItem_Click(
sender As Object, e As EventArgs)
Handles
AccommodationToolStripMenuItem.Click
    Me.SendToBack()
    Monitor.Show()
End Sub

```

```

        Private Sub
LogoutAccountToolStripMenuItem_Click(
sender As Object, e As EventArgs)
Handles
LogoutAccountToolStripMenuItem.Click
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim result As DialogResult
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        result =
MessageBox.Show("Are you sure to
logout your account now?", "Logout
Confirmation",
MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
        Select Case result
            Case DialogResult.Yes
                sqlcon.Open()
                query = "UPDATE
accounts SET accounts.status='False'
WHERE accounts.username='" +
details(0) + "' AND
accounts.password='" + details(1) +
"'"
                command = New
SqlCommand(query, sqlcon)
                reader =
command.ExecuteReader()
                sqlcon.Close()
                Me.Close()
                Login.Show()
            End Select
        Catch ex As SqlException

MessageBox.Show(ex.Message)
        End Try
    End Sub

```

```

        Private Sub
AboutProgramToolStripMenuItem_Click(s

```

```

ender As Object, e As EventArgs)
Handles
AboutProgramToolStripMenuItem.Click
    Me.SendToBack()
    AboutBox.Show()
End Sub

```

```

        Private Sub Timer1_Tick(sender As
Object, e As EventArgs) Handles
Timer1.Tick
    Dim connection As String
    Dim sqlcon As SqlConnection
    Dim command As SqlCommand
    Dim reader As SqlDataReader
    Dim query As String
    Dim length As Integer
    Dim height As Integer
    Dim tmpcnt() As Integer = {0,
0, 0}
    Dim list As ListViewItem
    connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
    sqlcon = New
SqlConnection(connection)
    Try
        sqlcon.Open()
        query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomid,
room.roombed, record.diagnosis,
record.datead, room.approve FROM room
JOIN record ON
record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
room.category='" + account.ToString +
"'"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            tmpcnt(0) = tmpcnt(0)
+ 1
        End While
        sqlcon.Close()
        If tmpcnt(0) <>
counter(0) Then
            counter(0) =
tmpcnt(0)
            sqlcon.Open()

ListView1.Items.Clear()
            command = New
SqlCommand(query, sqlcon)

```

```

        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

list.SubItems.Add(reader.GetString(5)
+ "-" + reader.GetInt32(6).ToString)

list.SubItems.Add(reader.GetString(7)
)
            length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(8))).TotalDays

list.SubItems.Add(length)

list.SubItems.Add(reader.GetBoolean(9
))

ListView1.Items.Add(list)
            End While
            sqlcon.Close()
            TextBox5.Text =
tmpcnt(0)
            height =
ListView1.Items.Count
            If height > 18 Then

ColumnHeader3.Width = 133

ColumnHeader6.Width = 42

ColumnHeader5.Width = 91
            ElseIf height < 19
Then

ColumnHeader3.Width = 140

ColumnHeader6.Width = 45

ColumnHeader5.Width = 98
            End If
            End If
            sqlcon.Open()
            query = "SELECT
room.casenum, patient.hosind,
patient.fname, patient.mname,
patient.sname, room.category,
room.roomno FROM room JOIN record ON
record.casenum=room.casenum JOIN

```

```

patient ON
record.hosind=patient.hosind WHERE
room.casenum IS NOT NULL AND
record.status='True' AND
room.approve='False' and
room.category='" + account.ToString +
"';"

            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()
            While reader.Read()
                tmpcnt(1) = tmpcnt(1)
+ 1
            End While
            If tmpcnt(1) > counter(1)
Then

                TextBox3.Text =
tmpcnt(1)
                counter(1) =
tmpcnt(1)

NotifyIcon1.BalloonTipIcon =
ToolTipIcon.Info

NotifyIcon1.BalloonTipText = "New
patient has been added to pending
admit."

NotifyIcon1.BalloonTipTitle =
"Pending Information"

NotifyIcon1.ShowBalloonTip(3000)
            ElseIf tmpcnt(1) <
counter(1) Then
                TextBox3.Text =
tmpcnt(1)
                counter(1) =
tmpcnt(1)
            End If
            sqlcon.Close()
            sqlcon.Open()
            query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomno,
record.diagnosis, record.datead,
room.category FROM room JOIN record
ON record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
record.status='False' AND
record.disposition IS NULL AND
room.category='" + account.ToString +
"';"

            command = New
SqlCommand(query, sqlcon)

```

```

        reader =
command.ExecuteReader()
        While reader.Read()
            tmpcnt(2) = tmpcnt(2)
+ 1
        End While
        sqlcon.Close()
        If tmpcnt(2) <>
counter(2) Then
ListView1.Items.Clear()
        counter(2) =
tmpcnt(2)
        sqlcon.Open()
        query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomid,
room.roombed, record.diagnosis,
record.datead, room.approve FROM room
JOIN record ON
record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
room.category='" + account.ToString +
"';"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetInt32(0))
list.SubItems.Add(reader.GetInt32(1))
list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))
list.SubItems.Add(reader.GetString(5)
+ "-" + reader.GetInt32(6).ToString)
list.SubItems.Add(reader.GetString(7)
)
            length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(8))).TotalDays
list.SubItems.Add(length)
list.SubItems.Add(reader.GetBoolean(9)
)
ListView1.Items.Add(list)
        End While
        sqlcon.Close()

```

```

        height =
ListView1.Items.Count
        If height > 18 Then
ColumnHeader3.Width = 133
ColumnHeader6.Width = 42
ColumnHeader5.Width = 91
        ElseIf height < 19
Then
ColumnHeader3.Width = 140
ColumnHeader6.Width = 45
ColumnHeader5.Width = 98
        End If
        End If
        Catch ex As SqlException
MessageBox.Show(ex.Message)
        End Try
        End Sub

        Private Sub Timer2_Tick(sender As
Object, e As EventArgs) Handles
Timer2.Tick
            Label2.Text =
Date.Now().ToString("hh:mm:ss tt")
        End Sub

        Private Sub
TextBox1_TextChanged(sender As
Object, e As EventArgs) Handles
TextBox1.TextChanged
            Dim connection As String
            Dim sqlcon As SqlConnection
            Dim command As SqlCommand
            Dim reader As SqlDataReader
            Dim query As String
            Dim length As Integer
            Dim height As Integer
            Dim list As ListViewItem
            connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
            sqlcon = New
SqlConnection(connection)
            Try
                If TextBox1.Text <> ""
Then
                    Timer1.Stop()
                ElseIf TextBox1.Text = ""
Then
                    Timer1.Start()
                End If
            End Try
        End Sub

```



```

        ListView1.Items.Clear()
        sqlcon.Open()
        query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomid,
room.roombed, record.diagnosis,
record.datead, room.approve FROM room
JOIN record ON
record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
room.category='" + account.ToString +
"' AND (record.casenum LIKE '%" +
TextBox1.Text + "%' OR record.hosind
LIKE '%" + TextBox1.Text + "%' OR
patient.fname LIKE '%" +
TextBox1.Text + "%' OR patient.mname
LIKE '%" + TextBox1.Text + "%' OR
patient.sname LIKE '%" +
TextBox1.Text + "%' OR
record.diagnosis LIKE '%" +
TextBox1.Text + "%');"
        command = New
SqlCommand(query, sqlcon)
        reader =
command.ExecuteReader()
        While reader.Read()
            list = New
ListViewItem(reader.GetInt32(0))

list.SubItems.Add(reader.GetInt32(1))

list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

list.SubItems.Add(reader.GetString(5)
+ "-" + reader.GetInt32(6).ToString)

list.SubItems.Add(reader.GetString(7)
)

            length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(8))).TotalDays

list.SubItems.Add(length)

list.SubItems.Add(reader.GetBoolean(9
))

ListView1.Items.Add(list)
        End While
        sqlcon.Close()
        height =
ListView1.Items.Count
        If height > 18 Then

```

```

        ColumnHeader3.Width =
133
        ColumnHeader6.Width =
42
        ColumnHeader5.Width =
91
        ElseIf height < 19 Then
            ColumnHeader3.Width =
140
            ColumnHeader6.Width =
45
            ColumnHeader5.Width =
98
        End If
        Catch ex As SqlException
        MessageBox.Show(ex.Message)
        End Try
    End Sub

    Private Sub
TextBox3_TextChanged(sender As
Object, e As EventArgs) Handles
TextBox3.TextChanged
        Dim connection As String
        Dim sqlcon As SqlConnection
        Dim command As SqlCommand
        Dim reader As SqlDataReader
        Dim query As String
        Dim length As Integer
        Dim height As Integer
        Dim list As ListViewItem
        connection = "Data
Source=BERMUNDO-PC;Initial
Catalog=SystemDB;Integrated
Security=True"
        sqlcon = New
SqlConnection(connection)
        If TextBox3.Text < counter(1)
Then
            ListView1.Items.Clear()
            sqlcon.Open()
            query = "SELECT
record.casenum, record.hosind,
patient.fname, patient.mname,
patient.sname, room.roomid,
room.roombed, record.diagnosis,
record.datead, room.approve FROM room
JOIN record ON
record.casenum=room.casenum JOIN
patient ON
patient.hosind=record.hosind WHERE
room.category='" + account.ToString +
"';"
            command = New
SqlCommand(query, sqlcon)
            reader =
command.ExecuteReader()

```

```

        While reader.Read()
            list = New
            ListViewItem(reader.GetInt32(0))

            list.SubItems.Add(reader.GetInt32(1))

            list.SubItems.Add(reader.GetString(2)
+ " " +
reader.GetString(3).Substring(0, 1) +
". " + reader.GetString(4))

            list.SubItems.Add(reader.GetString(5)
+ "-" + reader.GetInt32(6).ToString)

            list.SubItems.Add(reader.GetString(7)
)
                length =
DateTime.Now.Subtract(CDate(reader.Ge
tString(8))).TotalDays

            list.SubItems.Add(length)

            list.SubItems.Add(reader.GetBoolean(9
))

            ListView1.Items.Add(list)
                End While
                height =
            ListView1.Items.Count
                If height > 18 Then
                    ColumnHeader3.Width =
133
                    ColumnHeader6.Width =
42
                    ColumnHeader5.Width =
91
                ElseIf height < 19 Then
                    ColumnHeader3.Width =
140
                    ColumnHeader6.Width =
45
                    ColumnHeader5.Width =
98
                End If
                sqlcon.Close()
            End If
        End Sub

End Class

```