**VB.Net : Sale System**

Module1.vb

‘ประกาศตัวแปร Public ในไฟล์โมดูล

Module Module1

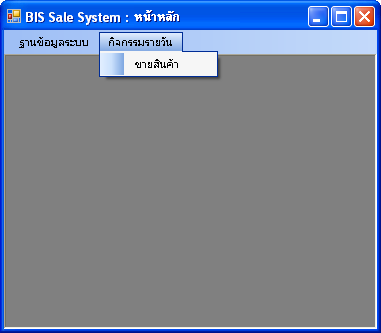
Public empID As String ‘สำหรับเก็บรหัสพนักงานที่ทำการล็อกอิน

Public empFullName As String ‘สำหรับเก็บชื่อและนามสกุลพนักงานที่ทำการล็อกอิน

Public sProID As String ‘สำหรับเก็บรหัสสินค้าที่ถูกค้นหา

Public sSalID As String ‘สำหรับเก็บรหัสการขายปัจจุบัน

End Module



frmSaleMain.vb

Public Class frmSaleMain

'ให้ประกาศตัวแปรชนิด String ชื่อ empID, empFullName ไว้ในไฟล์ Module สำหรับเก็บรหัสและชื่อเต็มของพนักงานขาย

**'กำหนดให้ฟอร์มนี้เป็นฟอร์มเริ่มต้นการทำงานของโปรแกรมการขาย**

Dim frmMyLogin As New frmSaleLogin

**Private Sub frmSaleMain\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

frmMyLogin.ShowDialog()

If empID = "" Then

End

Else

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MessageBox.Show("ยินดีต้อนรับคุณ :" & empFullName & " เข้าสู่ระบบ...", "Welcomem...", MessageBoxButtons.OK, MessageBoxIcon.Information)

'กำหนดความสามารถผู้ใช้ในการทำงาน เช่น การอนุญาตให้ใช้เมนูต่าง ๆ ได้

End If

End Sub

**Private Sub ขายสนคาToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles ขายสนคาToolStripMenuItem.Click**

Dim frmMySale As New frmSaleAction()

frmMySale.MdiParent = Me

frmMySale.Show()

End Sub

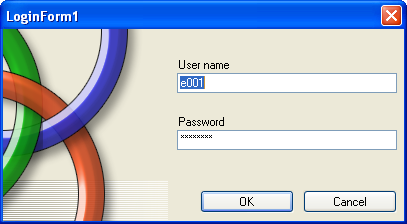
End Class

btnCancel

txtUser

txtPassword

btnOk



frmSaleLogin.vb

Imports System.Data

Imports System.Data.SqlClient

Imports System.Configuration

Public Class frmSaleLogin

Dim strConn As String = ConfigurationManager.ConnectionStrings("PrjForTeach.My.MySettings.myStrConSale").ConnectionString

Dim strSql As String

Dim Conn As SqlConnection = New SqlConnection

Dim Comm As SqlCommand

Dim dr As SqlDataReader

**Private Sub OK\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles OK.Click**

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If Conn.State = ConnectionState.Open Then

Conn.Close()

End If

Try

Conn.ConnectionString = strConn

Conn.Open()

Catch

MessageBox.Show("ไม่สามารถติดต่อฐานข้อมูลได้ กรุณาติดต่อผู้ดูแลระบบ")

End

End Try

strSql = "Select \* from tbEmployee Where empID = @user and empPassword=@password"

Comm = New SqlCommand(strSql, Conn)

Comm.Parameters.AddWithValue("@user", txtUser.text)

Comm.Parameters.AddWithValue("@password", txtPassword.text)

dr = Comm.ExecuteReader()

If Not dr.HasRows Then

MessageBox.Show("ท่านระบุรหัสประจำตัว หรือรหัสผ่านไม่ถูกต้อง ", "Error...", MessageBoxButtons.OK, MessageBoxIcon.Error)

Exit Sub

Else

dr.Read()

empID = dr("empID")

empFullName = dr("empName") & " " & dr("empLname")

Me.Close()

End If

End Sub

**Private Sub Cancel\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Cancel.Click**

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Me.Close()

End Sub

End Class

frmSaleAction.vb

btnNewBill

btnPrint

cmdExit

lblSalId

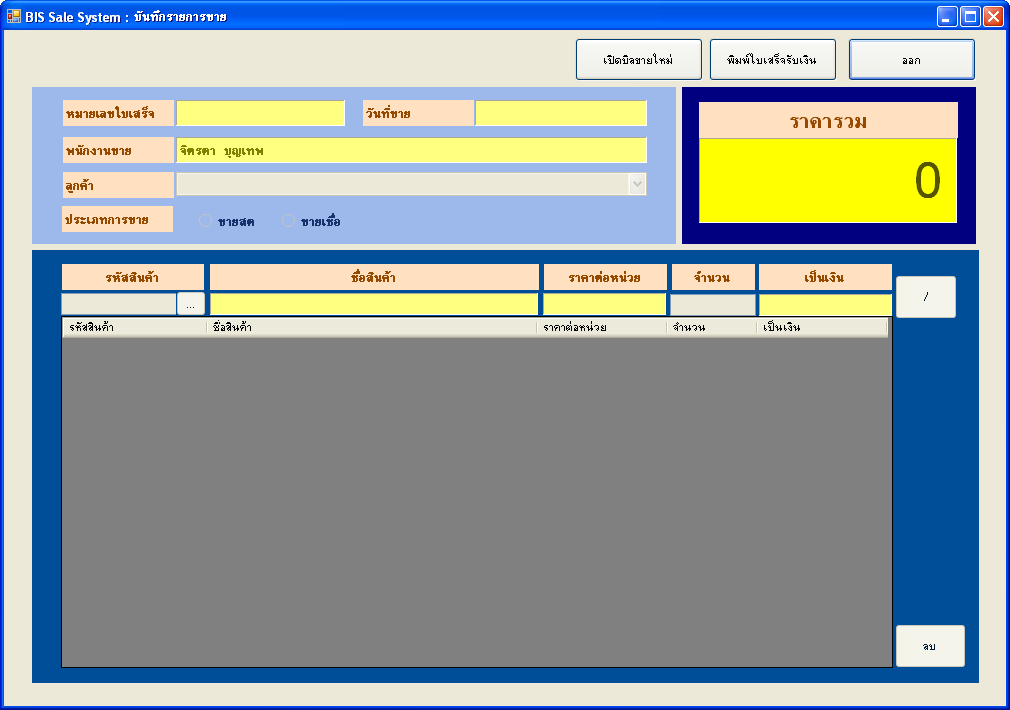
lblFullName

lblSalDate

lblSum

radSalType1, 2

cboCustomer



btnBrows

txtProId

dgvSale

btnDelete

btnAdd

lblTotal

txtSalAmount

lblProPricee

lblProName

Imports System.Data

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Imports System.Data.SqlClient

Imports System.Configuration

Public Class frmSaleAction

'ให้ประกาศตัวแปรชนิด String ชื่อ sProID, sSalID ไว้ในไฟล์ Module

'สำหรับเก็บค่ารหัสสินค้าที่ค้นหา และหมายเลขบิลเพื่อส่งไปยังฟอร์มรายงาน

Dim strConn As String = ConfigurationManager.ConnectionStrings("PrjForTeach.My.MySettings.myStrConSale").ConnectionString

Dim strSql As String

Dim Conn As SqlConnection = New SqlConnection

Dim Comm As SqlCommand

Dim Tran As SqlTransaction

Dim dr As SqlDataReader

**Private Sub txtSalAmount\_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtSalAmount.KeyPress**

If Asc(e.KeyChar) < 48 Or Asc(e.KeyChar) > 59 Then

If Asc(e.KeyChar) = 13 Then

Call btnAdd\_Click(sender, e)

ElseIf Asc(e.KeyChar) <> 8 Then

e.KeyChar = Nothing

End If

End If

End Sub

**Private Function getNewBill() As String**

Dim lastID, newID As String

Dim curYear As String

curYear = Str(Year(Date.Now))

curYear = curYear.Substring(3, 2)

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strSql = "Select Max(salID) as mSalID from tbSale Where salID like 'S" & curYear & "-%' "

Comm = New SqlCommand(strSql, Conn)

dr = Comm.ExecuteReader()

dr.Read()

If IsDBNull(dr("mSalID")) Then

newID = "S" & curYear & "-00001"

Else

lastID = dr("mSalID")

lastID = lastID.Substring(4)

lastID = Val(lastID) + 1

Select Case lastID.Length

Case 1 : lastID = "-0000" & lastID

Case 2 : lastID = "-000" & lastID

Case 3 : lastID = "-00" & lastID

Case 4 : lastID = "-0" & lastID

End Select

newID = "S" & curYear & lastID

End If

dr.Close()

Return newID

End Function

**Private Sub btnNewBill\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnNewBill.Click**

If btnNewBill.Text = "เปิดบิลขายใหม่" Then

panHead.Enabled = True

panDetail.Enabled = True

btnNewBill.Text = "บันทึก"

btnPrint.Enabled = False

btnExit.Text = "ยกเลิก"

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lblSalId.Text = getNewBill()

lblSalDate.Text = FormatDateTime(Date.Now, DateFormat.ShortDate)

lblSum.Text = "0"

cboCustomer.SelectedIndex = 0

radSalType1.Checked = True

dgvSale.Rows.Clear()

txtProId.Focus()

Else

If cboCustomer.SelectedIndex = -1 Then

MessageBox.Show("ท่านยังไม่ได้เลือกลูกค้าสำหรับการขาย", "Error... ", MessageBoxButtons.OK, MessageBoxIcon.Warning)

cboCustomer.Focus()

Exit Sub

ElseIf dgvSale.Rows.Count = 0 Then

MessageBox.Show("ไม่ปรากฎรายการขายสินค้าใดๆ ในตารางการขาย", "Error... ", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtProId.Focus()

Exit Sub

Else

Dim r, i As Integer

Dim salType As Integer

Dim cusID As String

If radSalType1.Checked Then

salType = 1

Else

salType = 2

End If

If Conn.State = ConnectionState.Open Then

Conn.Close()

End If

Conn.ConnectionString = strConn

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Conn.Open()

strSql = "select cusID from tbCustomer where (cusName + space(2) + cusLname) = @cFullName"

Comm = New SqlCommand(strSql, Conn)

Comm.Parameters.AddWithValue("@cFullName", cboCustomer.Text)

dr = Comm.ExecuteReader

dr.Read()

cusID = dr("cusID")

dr.Close()

Comm = New SqlCommand

Tran = Conn.BeginTransaction

Comm.Transaction = Tran

Try

strSql = "insert into tbSale Values(@salId, @salDate, @salType, @empId, @cusId)"

Comm.Connection = Conn

Comm.CommandText = strSql

Comm.Parameters.AddWithValue("@salId", lblSalId.Text)

Comm.Parameters.Add("@salDate", SqlDbType.DateTime).Value = lblSalDate.Text

Comm.Parameters.AddWithValue("@salType", salType)

Comm.Parameters.AddWithValue("@empId", empID)

Comm.Parameters.AddWithValue("@cusId", cusID)

r = Comm.ExecuteNonQuery

For i = 0 To dgvSale.RowCount - 1

strSql = "insert into tbSaleDetail values(@salId, @proID, @salPrice, @salAmount)"

Comm.CommandText = strSql

Comm.Parameters.Clear()

Comm.Parameters.AddWithValue("@salId", lblSalId.Text)

Comm.Parameters.AddWithValue("@proId", dgvSale.Item(0, i).Value)

Comm.Parameters.AddWithValue("@salPrice", dgvSale.Item(2, i).Value)

Comm.Parameters.AddWithValue("@salAmount", dgvSale.Item(3, i).Value)

r = Comm.ExecuteNonQuery

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strSql = "update tbProduct set proAmount = proAmount - @salAmount " & \_

" Where proId = @proId "

Comm.CommandText = strSql

r = Comm.ExecuteNonQuery

Next i

MessageBox.Show("บันทึกข้อมูลการขายเรียบร้อย...", "Success..", MessageBoxButtons.OK, MessageBoxIcon.Information)

Tran.Commit()

btnPrint.Enabled = True

btnNewBill.Text = "เปิดบิลขายใหม่"

btnExit.Text = "ออก"

panHead.Enabled = False

panDetail.Enabled = False

Catch

MessageBox.Show("ไม่สามารถบันทึกข้อมูลได้ กรุณาติดต่อผู้ดูแลระบบ...", "Error..", MessageBoxButtons.OK, MessageBoxIcon.Error)

Tran.Rollback()

End Try

End If

End If

End Sub

**Private Sub findProduct() 'ค้นหาสินค้าจากรหัสใน txtProId**

If txtProId.Text.Trim <> "" Then

strSql = "Select \* from tbProduct Where proID = @pid "

Comm = New SqlCommand(strSql, Conn)

Comm.Parameters.AddWithValue("@pid", txtProId.Text)

dr = Comm.ExecuteReader()

If dr.HasRows Then

dr.Read()

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lblProName.Text = dr("proName")

lblProPrice.Text = dr("proCurrentPrice")

txtSalAmount.Text = 1

txtSalAmount.Focus()

Else

MessageBox.Show("ไม่พบรายการสินค้า ตามรหัสที่ระบุ", "Not found...", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtProId.Focus()

End If

dr.Close()

End If

End Sub

**Private Sub txtProId\_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtProId.KeyPress**

If Asc(e.KeyChar) = 13 Then

Call findProduct()

End If

End Sub

**Private Sub frmSaleAction\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

lblFullName.Text = empFullName

If Conn.State = ConnectionState.Open Then

Conn.Close()

End If

Try

Conn.ConnectionString = strConn

Conn.Open()

Catch

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MessageBox.Show("ไม่สามารถติดต่อฐานข้อมูลได้ กรุณาติดต่อผู้ดูแลระบบ", "Error..", MessageBoxButtons.OK, MessageBoxIcon.Error)

Me.Close()

Exit Sub

End Try

strSql = "Select \* from tbCustomer order by cusName "

Comm = New SqlCommand(strSql, Conn)

Comm.Parameters.AddWithValue("@pid", txtProId.Text)

dr = Comm.ExecuteReader()

If dr.HasRows Then

Do While dr.Read()

cboCustomer.Items.Add(dr("cusName") & Space(2) & dr("cusLname"))

Loop

cboCustomer.SelectedIndex = -1

dr.Close()

Else

MessageBox.Show("ไม่มีข้อมูลลูกค้า ไม่สามารถทำรายการขายได้", "No customer...", MessageBoxButtons.OK, MessageBoxIcon.Error)

dr.Close()

Me.Close()

End If

dgvSale.Columns(0).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleLeft

dgvSale.Columns(1).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleLeft

dgvSale.Columns(2).DefaultCellStyle.Alignment = DataGridViewContentAlignment.BottomRight

dgvSale.Columns(3).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

dgvSale.Columns(4).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleRight

End Sub

**Private Sub btnExit\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnExit.Click**

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If btnExit.Text = "ยกเลิก" Then

btnNewBill.Text = "เปิดบิลขายใหม่"

btnExit.Text = "ออก"

lblSalId.Text = ""

lblSalDate.Text = ""

lblSalTotal.Text = ""

cboCustomer.SelectedIndex = -1

lblSum.Text = "0"

dgvSale.Rows.Clear()

panHead.Enabled = False

panDetail.Enabled = False

Else

Me.Close()

End If

End Sub

**Private Sub txtProId\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtProId.TextChanged**

lblProName.Text = ""

lblProPrice.Text = ""

txtSalAmount.Text = ""

lblSalTotal.Text = ""

End Sub

**Private Sub txtSalAmount\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtSalAmount.TextChanged**

lblSalTotal.Text = Val(lblProPrice.Text) \* Val(txtSalAmount.Text)

End Sub

**Private Sub btnAdd\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnAdd.Click**

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If lblProName.Text = "" Then

MessageBox.Show("กรุณาระบุรายการสินค้าที่ต้องการจำหน่าย", "Error..", MessageBoxButtons.OK, MessageBoxIcon.Warning)

Exit Sub

ElseIf Val(txtSalAmount.Text) = 0 Then

MessageBox.Show("กรุณาระบุจำนวนสินค้าที่ต้องการจำหน่าย", "Error..", MessageBoxButtons.OK, MessageBoxIcon.Warning)

Exit Sub

Else

Dim found As Boolean = False

Dim i As Integer

For i = 0 To dgvSale.RowCount - 1

If dgvSale.Item(0, i).Value = txtProId.Text Then

Dim drg As DialogResult

drg = MessageBox.Show("สินค้าที่กำลังจะเพิ่ม มีอยู่แล้วในตาราง ท่านต้องการปรับปรุงจำนวนขายหรือไม่?", "Question..", MessageBoxButtons.OKCancel, MessageBoxIcon.Question)

If drg = Windows.Forms.DialogResult.OK Then

lblSum.Text = Val(lblSum.Text) - Val(dgvSale.Item(4, i).Value)

dgvSale.Item(3, i).Value = txtSalAmount.Text

dgvSale.Item(4, i).Value = lblSalTotal.Text

lblSum.Text = Val(lblSum.Text) + Val(lblSalTotal.Text)

found = True

Exit For

Else

Exit Sub

End If

End If

Next i

If found = False Then

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dgvSale.Rows.Add()

Dim n As Integer = dgvSale.RowCount - 1

dgvSale.Item(0, n).Value = txtProId.Text

dgvSale.Item(1, n).Value = lblProName.Text

dgvSale.Item(2, n).Value = lblProPrice.Text

dgvSale.Item(3, n).Value = txtSalAmount.Text

dgvSale.Item(4, n).Value = lblSalTotal.Text

lblSum.Text = Val(lblSum.Text) + Val(lblSalTotal.Text)

End If

txtProId.Clear()

txtProId.Focus()

End If

End Sub

**Private Sub btnDelete\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDelete.Click**

If dgvSale.RowCount = 0 Or dgvSale.SelectedRows.Count = 0 Then

Exit Sub

End If

Dim n As Integer = dgvSale.CurrentCell.RowIndex

lblSum.Text = Val(lblSum.Text) - Val(dgvSale.Item(4, n).Value)

dgvSale.Rows.RemoveAt(n)

End Sub

**Private Sub btnBrows\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnBrows.Click**

Dim frmMySaleFindProduct As New frmSaleFindProduct

sProID = ""

frmMySaleFindProduct.ShowDialog()

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If sProID <> "" Then

txtProId.Text = sProID

Call findProduct()

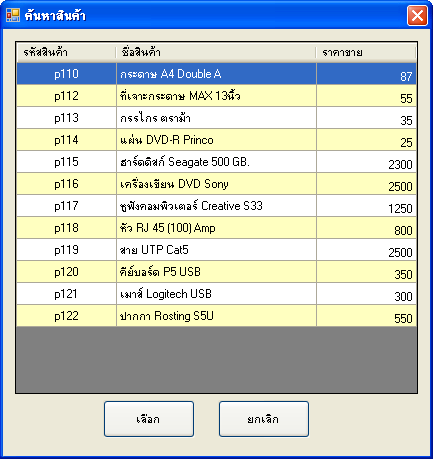
End If

End Sub

**Private Sub btnPrint\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnPrint.Click**

Dim frmMySaleBill As New frmSaleBill

sSalID = lblSalId.Text

 frmMySaleBill.ShowDialog()

End Sub

End Class

frmSaleFindProduct.vb

Imports System.Data

Imports System.Data.SqlClient

Imports System.Configuration

dgvProduct

btnCancel

btnSelect

Public Class frmSaleFindProduct

Dim strConn As String = ConfigurationManager.ConnectionStrings("PrjForTeach.My.MySettings.myStrConSale").ConnectionString

Dim strSql As String

Dim Conn As SqlConnection = New SqlConnection

Dim da As SqlDataAdapter

Dim ds As DataSet = New DataSet

**Private Sub frmSaleFindProduct\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

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If Conn.State = ConnectionState.Open Then

Conn.Close()

End If

Conn.ConnectionString = strConn

Conn.Open()

strSql = "Select proID, proName, proCurrentPrice From tbProduct"

da = New SqlDataAdapter(strSql, Conn)

ds.Clear()

da.Fill(ds, "tbPro")

dgvProduct.DataSource = ds.Tables("tbPro")

dgvProduct.Columns(0).HeaderCell.Value = "รหัสสินค้า"

dgvProduct.Columns(1).HeaderCell.Value = "ชื่อสินค้า"

dgvProduct.Columns(2).HeaderText = "ราคาขาย"

dgvProduct.Columns(0).Width = 100

dgvProduct.Columns(1).Width = 200

dgvProduct.Columns(2).Width = 100

dgvProduct.Columns(0).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

dgvProduct.Columns(1).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleLeft

dgvProduct.Columns(2).DefaultCellStyle.Alignment = DataGridViewContentAlignment.BottomRight

End Sub

**Private Sub btnSelect\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSelect.Click**

Dim n As Integer

n = dgvProduct.CurrentCell.RowIndex

sProID = dgvProduct.Item(0, n).Value

Me.Close()

End Sub

**Private Sub dgvProduct\_CellDoubleClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles dgvProduct.CellDoubleClick**

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Call btnSelect\_Click(sender, e)

End Sub

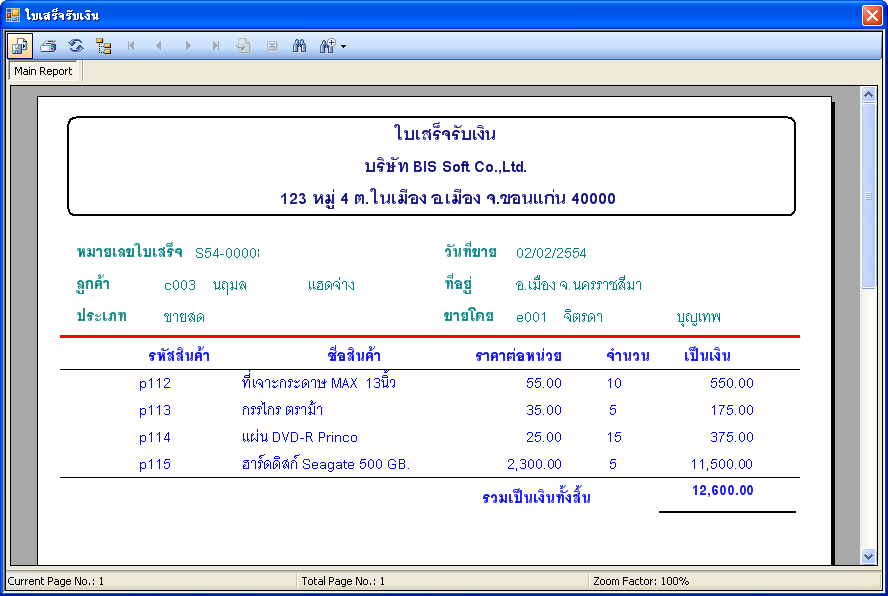
**Private Sub btnCancel\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCancel.Click**

sProID = ""

Me.Close()

crvSaleBill

End Sub

End Class

frmSaleBill.vb

Imports System.Data

Imports System.Data.SqlClient

Imports System.Configuration

Public Class frmSaleBill

Dim strConn As String = ConfigurationManager.ConnectionStrings("PrjForTeach.My.MySettings.myStrConSale").ConnectionString

Dim strSql As String

Dim Conn As SqlConnection = New SqlConnection

Dim da As SqlDataAdapter

Dim ds As DataSet = New dsSaleSystem

Dim myrpt As New rptSaleBill

**Private Sub frmSaleBill\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

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If Conn.State = ConnectionState.Open Then

Conn.Close()

End If

Conn.ConnectionString = strConn

Conn.Open()

strSql = "SELECT \* from tbProduct, tbSaleDetail, tbSale, tbCustomer, tbEmployee " & \_

" where tbProduct.proId = tbSaleDetail.proId and tbSaleDetail.salId = tbSale.salId " & \_

" and tbSale.cusId = tbCustomer.cusId and tbSale.empId = tbEmployee.empId " & \_

" and tbSale.salId = '" & sSalID & "'"

da = New SqlDataAdapter(strSql, Conn)

ds.Tables("dtSale").Clear()

da.Fill(ds, "dtSale")

myrpt.SetDataSource(ds.Tables("dtSale"))

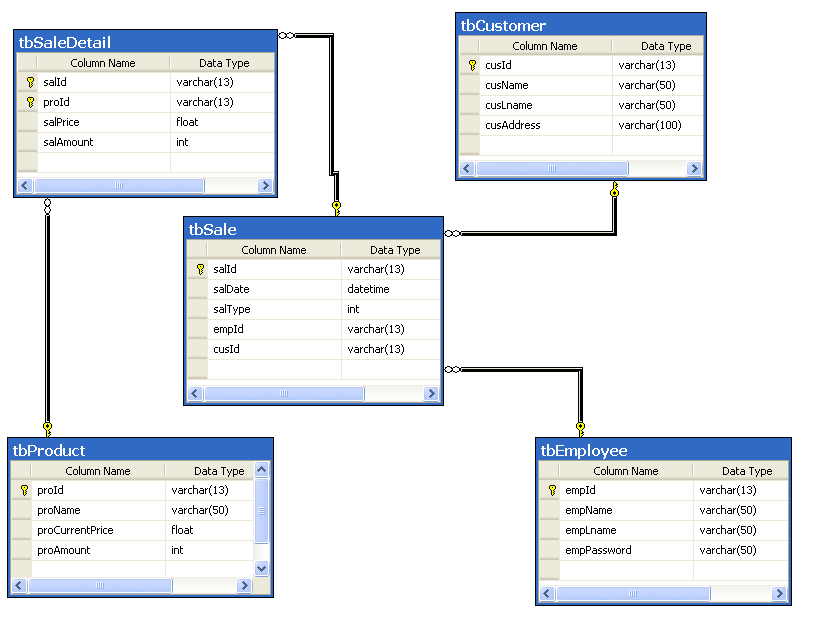
crvSaleBill.ReportSource = myrpt

crvSaleBill.Show()

End Sub

End Class

Database : dbSale



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