

## Customer Registration:

**.aspx.net:**

```
<%@ Page Language="VB" AutoEventWireup="false"  
CodeFile="Customer_Registration.aspx.vb" Inherits="Customer_Registration" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
  <title>New Customer Registration</title>
```

```
</head>
```

```
<body>
```

```
  <h2>New Customer Registration</h2>
```

```
  <form id="form1" runat="server">
```

```
    Full Name:<br />
```

```
    <asp:TextBox ID="txtCustomerName" runat="server"></asp:TextBox><br /><br />
```

```
    Address:<br />
```

```
    <asp:TextBox ID="txtCustomerAddress" runat="server"></asp:TextBox><br /><br />
```

```
    City:<br />
```

```
    <asp:TextBox ID="txtCity" runat="server"></asp:TextBox><br /><br />
```

```
    State:<br />
```

```
    <asp:TextBox ID="txtState" runat="server"></asp:TextBox><br /><br />
```

Postal Code:<br />

```
<asp:TextBox ID="txtPostalCode" runat="server"></asp:TextBox><br /><br />
```

```
<asp:Button ID="btnRegister" runat="server" Text="Register" />
```

```
<br /><br />
```

```
<asp:Label ID="lblResult" runat="server" ForeColor="Green"></asp:Label>
```

```
</form>
```

```
</body>
```

```
</html>
```

## **.VB:**

Imports System.Data.SqlClient

Partial Class Customer\_Registration

Inherits System.Web.UI.Page

Protected Sub btnRegister\_Click(sender As Object, e As EventArgs) Handles  
btnRegister.Click

Dim connString As String = "Data Source=BAHADUR\SQLEXPRESS03;Initial  
Catalog=PVFC;Integrated Security=True"

Dim getIdQuery As String = "SELECT ISNULL(MAX(Customer\_Id), 1000) + 1 FROM  
CUSTOMER\_t"

```
Dim insertQuery As String = "INSERT INTO CUSTOMER_t (Customer_Id,  
Customer_Name, Customer_Address, Customer_City, Customer_State, Postal_Code)  
VALUES (@id, @name, @address, @city, @state, @postalCode)"
```

```
Using conn As New SqlConnection(connString)
```

```
    conn.Open()
```

```
    Dim newCustomerId As Integer
```

```
    Using idCmd As New SqlCommand(getIdQuery, conn)
```

```
        newCustomerId = Convert.ToInt32(idCmd.ExecuteScalar())
```

```
    End Using
```

```
Using cmd As New SqlCommand(insertQuery, conn)
```

```
    cmd.Parameters.AddWithValue("@id", newCustomerId)
```

```
    cmd.Parameters.AddWithValue("@name", txtCustomerName.Text.Trim())
```

```
    cmd.Parameters.AddWithValue("@address", txtCustomerAddress.Text.Trim())
```

```
    cmd.Parameters.AddWithValue("@city", txtCity.Text.Trim())
```

```
    cmd.Parameters.AddWithValue("@state", txtState.Text.Trim())
```

```
    cmd.Parameters.AddWithValue("@postalCode", txtPostalCode.Text.Trim())
```

```
Try
```

```
    Dim rowsAffected As Integer = cmd.ExecuteNonQuery()
```

```
    If rowsAffected > 0 Then
```

```
        lblResult.Text = "Registered successfully! Your new Customer ID is: " &  
newCustomerId
```

```
        lblResult.ForeColor = System.Drawing.Color.Green
```

```
Else
    lblResult.Text = "Registration failed."
    lblResult.ForeColor = System.Drawing.Color.Red
End If
Catch ex As Exception
    lblResult.Text = "Error: " & ex.Message
    lblResult.ForeColor = System.Drawing.Color.Red
End Try

End Using
End Using
End Sub

End Class
```

## **Output:**

# New Customer Registration

Full Name:

Address:

City:

State:

Postal Code:

Registered successfully! Your new Customer ID is: 18

## Customer Update:

**.aspx.net:**

```
<%@ Page Language="VB" AutoEventWireup="false"
```

```
CodeFile="Customer_Update.aspx.vb" Inherits="Customer_Update" %>
```

```
<!DOCTYPE html>
```

```
<html>
<body>
  <form id="form1" runat="server">
    ID: <br /><asp:TextBox ID="txtCustomerID" runat="server"></asp:TextBox><br /><br />
    Enter New
    Name: <br /><asp:TextBox ID="txtCustomerName" runat="server"></asp:TextBox><br
/><br />
    Enter New
    Address: <br /><asp:TextBox ID="txtCustomerAddress"
runat="server"></asp:TextBox><br /><br />
    Enter New
    City: <br /><asp:TextBox ID="txtCity" runat="server"></asp:TextBox><br /><br />
    Enter New
    State: <br /><asp:TextBox ID="txtState" runat="server"
MaxLength="2"></asp:TextBox><br /><br />
    Enter New
    Postal Code: <br /><asp:TextBox ID="txtPostalCode" runat="server"></asp:TextBox><br
/><br />
    <asp:Button ID="btnUpdate" runat="server" Text="Update" /><br /><br />
    <asp:Label ID="lblResult" runat="server"></asp:Label>
  </form>
</body>
</html>
```

## **.VB:**

Imports System.Data.SqlClient

Partial Class Customer\_Update

Inherits System.Web.UI.Page

Protected Sub btnUpdate\_Click(sender As Object, e As EventArgs) Handles  
btnUpdate.Click

Dim connString As String = "Data Source=BAHADUR\SQLEXPRESS03;Initial  
Catalog=PVFC;Integrated Security=True"

Dim query As String = "UPDATE CUSTOMER\_t SET Customer\_Name=@name,  
Customer\_Address=@address, Customer\_City=@city, Customer\_State=@state,  
Postal\_Code=@postalCode WHERE Customer\_Id=@id"

Using conn As New SqlConnection(connString)

Using cmd As New SqlCommand(query, conn)

cmd.Parameters.AddWithValue("@id", txtCustomerID.Text.Trim())

cmd.Parameters.AddWithValue("@name", txtCustomerName.Text.Trim())

cmd.Parameters.AddWithValue("@address", txtCustomerAddress.Text.Trim())

cmd.Parameters.AddWithValue("@city", txtCity.Text.Trim())

cmd.Parameters.AddWithValue("@state", txtState.Text.Trim())

cmd.Parameters.AddWithValue("@postalCode", txtPostalCode.Text.Trim())

conn.Open()

If cmd.ExecuteNonQuery() > 0 Then

lblResult.Text = "Updated"

Else

lblResult.Text = "Failed"

End If

End Using

End Using

End Sub

End Class

## Output:

ID:

Enter New Name:

Enter New Address:

Enter New City:

Enter New State:

Enter New Postal Code:

Updated

## Order Form:

### .aspx.net:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Order_Form.aspx.vb"
Inherits="Order_Form" %>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
  <form id="form1" runat="server">
```

```
    Customer ID: <br /><asp:TextBox ID="txtCustomerID"
runat="server"></asp:TextBox><br /><br />
```

```
    Product: <asp:DropDownList ID="ddlProducts" runat="server"
AutoPostBack="True"></asp:DropDownList><br /><br />
```

```
    Price: <br /><asp:Label ID="lblPrice" runat="server">0</asp:Label><br /><br />
```

```
    Quantity: <br /><asp:TextBox ID="txtQuantity" runat="server">1</asp:TextBox><br
/><br />
```

```
    <asp:Button ID="btnAdd" runat="server" Text="Add" /><br />
```

```
    <asp:GridView ID="gvCart" runat="server"></asp:GridView><br />
```

```
    <asp:Button ID="btnPlaceOrder" runat="server" Text="Order" /><br />
```

```
    <asp:Label ID="lblResult" runat="server"></asp:Label>
```

```
  </form>
```

```
</body>
```

```
</html>
```

## **.VB:**

Imports System.Data

Imports System.Data.SqlClient

Partial Class Order\_Form

Inherits System.Web.UI.Page

Dim str As String = "Data Source=BAHADUR\SQLEXPRESS03;Initial  
Catalog=PVFC;Integrated Security=True"

Protected Sub Page\_Load(sender As Object, e As EventArgs) Handles Me.Load

If Not IsPostBack Then

' Load Dropdown

Dim da As New SqlDataAdapter("SELECT Product\_ID, Product\_Description FROM  
PRODUCT\_t", str)

Dim dtProducts As New DataTable()

da.Fill(dtProducts)

ddlProducts.DataSource = dtProducts

ddlProducts.DataValueField = "Product\_ID"

ddlProducts.DataTextField = "Product\_Description"

ddlProducts.DataBind()

' Create Empty Cart

Dim cart As New DataTable()

cart.Columns.Add("ProductID")

cart.Columns.Add("Qty")

```
        ViewState("Cart") = cart
    End If
End Sub

Protected Sub ddlProducts_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ddlProducts.SelectedIndexChanged
    ' Show Price

    Dim cmd As New SqlCommand("SELECT Standard_Price FROM PRODUCT_t WHERE
Product_ID=" & ddlProducts.SelectedValue, New SqlConnection(str))

    cmd.Connection.Open()
    lblPrice.Text = cmd.ExecuteScalar().ToString()
    cmd.Connection.Close()
End Sub

Protected Sub btnAdd_Click(sender As Object, e As EventArgs) Handles btnAdd.Click
    ' Save to Cart

    Dim cart As DataTable = ViewState("Cart")
    cart.Rows.Add(ddlProducts.SelectedValue, txtQuantity.Text)
    ViewState("Cart") = cart

    ' Show in Grid

    gvCart.DataSource = cart
    gvCart.DataBind()
End Sub

Protected Sub btnPlaceOrder_Click(sender As Object, e As EventArgs) Handles
btnPlaceOrder.Click
```

```
Dim conn As New SqlConnection(str)

conn.Open()

' Make New Order ID

Dim cmdID As New SqlCommand("SELECT ISNULL(MAX(Order_ID), 1000) + 1 FROM
ORDER_t", conn)

Dim newID As Integer = cmdID.ExecuteScalar()

' Insert Main Order

Dim cmdOrder As New SqlCommand("INSERT INTO ORDER_t (Order_ID, Customer_ID)
VALUES (" & newID & ", " & txtCustomerID.Text & ")", conn)

cmdOrder.ExecuteNonQuery()

' Insert Cart Items

Dim cart As DataTable = ViewState("Cart")

For Each row As DataRow In cart.Rows

    Dim cmdLine As New SqlCommand("INSERT INTO ORDER_LINE_t (Order_ID,
Product_ID, Ordered_Quantity) VALUES (" & newID & ", " & row("ProductID") & ", " &
row("Qty") & ")", conn)

    cmdLine.ExecuteNonQuery()

Next

conn.Close()

lblResult.Text = "Done"

End Sub

End Class
```

## OUTPUT:

---

Customer ID:

Product:  ▼

Price:  
200.00

Quantity:

Done

## Product catalog Update:

### .aspx.net:

```
<%@ Page Language="VB" AutoEventWireup="false"  
CodeFile="Product_Catalog_Update.aspx.vb" Inherits="Product_Update" %>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
  <form id="form1" runat="server">
```

```
Product ID: <br /><asp:TextBox ID="txtProductID" runat="server"></asp:TextBox><br /><br />
Description: <br /><asp:TextBox ID="txtDescription" runat="server"></asp:TextBox><br /><br />
Finish: <br /><asp:TextBox ID="txtFinish" runat="server"></asp:TextBox><br /><br />
Standard Price:<br /><asp:TextBox ID="txtPrice" runat="server"></asp:TextBox><br /><br />
<asp:Button ID="btnUpdate" runat="server" Text="Update" /><br /><br />
<asp:Label ID="lblResult" runat="server"></asp:Label>
</form>
</body>
</html>
```

## **.VB:**

Imports System.Data.SqlClient

Partial Class Product\_Update

Inherits System.Web.UI.Page

Protected Sub btnUpdate\_Click(sender As Object, e As EventArgs) Handles btnUpdate.Click

Dim connString As String = "Data Source=BAHADUR\SQLEXPRESS03;Initial Catalog=PVFC;Integrated Security=True"

Dim query As String = "UPDATE PRODUCT\_t SET Product\_Description=@desc, Product\_Finish=@finish, Standard\_Price=@price WHERE Product\_ID=@id"

Using conn As New SqlConnection(connString)

```
Using cmd As New SqlCommand(query, conn)
```

```
    cmd.Parameters.AddWithValue("@id", txtProductID.Text.Trim())
```

```
    cmd.Parameters.AddWithValue("@desc", txtDescription.Text.Trim())
```

```
    cmd.Parameters.AddWithValue("@finish", txtFinish.Text.Trim())
```

```
    cmd.Parameters.AddWithValue("@price", txtPrice.Text.Trim())
```

```
    conn.Open()
```

```
    If cmd.ExecuteNonQuery() > 0 Then
```

```
        lblResult.Text = "Updated"
```

```
    Else
```

```
        lblResult.Text = "Failed"
```

```
    End If
```

```
End Using
```

```
End Using
```

```
End Sub
```

```
End Class
```

**Output:**

Product ID:

Description:

Finish:

Standard Price:

Updated