**Task1.aspx:**

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Task1.aspx.vb"
Inherits="Task1" %>

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Page Processing Demo</title>
</head>
<body>

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

    <h2>Page Processing Events Demo</h2>

    <asp:Button ID="Button1" runat="server" Text="Click Me" OnClick="Button1_Click" />

    <br /><br />

    <asp:Label ID="Label1" runat="server"></asp:Label>

</form>

</body>
</html>
```

## [Task1.aspx.vb](Task1.aspx.vb):

```
Partial Class Task1
    Inherits System.Web.UI.Page

    Protected Sub Page_Init(sender As Object, e As EventArgs) Handles Me.Init
        Label1.Text &= "Page Init fired <br/>"
    End Sub

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        Label1.Text &= "Page Load fired <br/>"
    End Sub

    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
```

```vb
        Label1.Text &= "Button Click fired <br/>"
    End Sub

    Protected Sub Page_PreRender(sender As Object, e As EventArgs) Handles
Me.PreRender
        Label1.Text &= "Page PreRender fired <br/>"
    End Sub

    Protected Sub Page_Unload(sender As Object, e As EventArgs) Handles Me.Unload
        System.Diagnostics.Debug.WriteLine("Page Unload fired")
    End Sub

End Class
```

## Login Choice.aspx:

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

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Login Choice</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
<form id="form1" runat="server">

<div class="container">
    <h2>Login As</h2>

    <asp:Button ID="btnEmployee" runat="server" Text="Employee" CssClass="btn"
OnClick="btnEmployee_Click" />
    <br /><br />

    <asp:Button ID="btnCustomer" runat="server" Text="Customer" CssClass="btn"
OnClick="btnCustomer_Click" />
</div>

</form>
</body>
</html>
```

## Login Choice.aspx.vb:

```vb
Partial Class LoginChoice
    Inherits System.Web.UI.Page

    Protected Sub btnEmployee_Click(sender As Object, e As EventArgs)
        Response.Redirect("EmployeeLogin.aspx")
    End Sub

    Protected Sub btnCustomer_Click(sender As Object, e As EventArgs)
        Response.Redirect("index.aspx") ' MAIN CUSTOMER WEBSITE
    End Sub

End Class
```

## Employee Login:

## .aspx

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

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Employee Login</title>
    <link rel="stylesheet" href="style.css" />
</head>

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

<div class="auth-box">
    <h2>Employee Login</h2>

    <asp:TextBox ID="txtEmail" runat="server" Placeholder="Email"></asp:TextBox>
    <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"
Placeholder="Password"></asp:TextBox>

    <asp:Button ID="btnLogin" runat="server" Text="Login" CssClass="btn"
OnClick="btnLogin_Click" />
    <asp:Label ID="lblMsg" runat="server" ForeColor="Red"></asp:Label>

</div>

</form>
</body>
</html>
```

## Employee_login.aspx.vb:

```
Partial Class EmployeeLogin
    Inherits System.Web.UI.Page

    Protected Sub btnLogin_Click(sender As Object, e As EventArgs)

        ' Hardcoded employee login (for assignment)
        If txtEmail.Text = "admin" And txtPassword.Text = "1234" Then

            ' Save session (to protect dashboard)
            Session("Employee") = txtEmail.Text
```

```vb
            ' Redirect to Employee Dashboard
            Response.Redirect("employee_dashboard.aspx")

        Else
            lblMsg.Text = "Invalid Email or Password"
        End If

    End Sub

End Class
```

# Employee_Dashboard
## .aspx:

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

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Employee Dashboard</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
<form id="form1" runat="server">

<header>
    <h1>Employee Dashboard</h1>
</header>

<!-- Navigation Menu -->
<nav>
    <ul>
        <li>
            <asp:HyperLink ID="hlUpdateCatalog" runat="server"
NavigateUrl="update_catalog.aspx" Text="Update Product Catalog" />
        </li>
        <li>
            <asp:HyperLink ID="btnLogout" runat="server" NavigateUrl="LoginChoice.aspx"
Text="Logout" />
```

```
        </li>
      </ul>
   </nav>

   <div class="container">
      <h2>Welcome, Employee!</h2>
      <p>Select an option from the menu above to proceed.</p>
   </div>


   </form>
   </body>
   </html>
```

## Employee_Dashboard.aspx.vb:

```vb
Partial Class employee_dashboard
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Session("Employee") Is Nothing Then
            Response.Redirect("EmployeeLogin.aspx")
        End If
    End Sub

    Protected Sub btnLogout_Click(sender As Object, e As EventArgs)
        Session.Clear()
        Response.Redirect("LoginChoice.aspx")
    End Sub

End Class
```

## Update_Catalog.aspx:

```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="update_catalog.aspx.vb"
Inherits="_update_catalog" %>

<!DOCTYPE html>
<html>
<head runat="server">
   <title>Update Catalog</title>
   <link rel="stylesheet" href="style.css" />
</head>
<body>
```

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

    <header>
        <h1>Product Catalog Update</h1>
    </header>

    <div class="container">

        <h3>Edit Product</h3>

        Name:
        <asp:TextBox ID="txtName" runat="server" />
        <br /><br />

        Description:
        <asp:TextBox ID="txtDesc" runat="server" TextMode="SingleLine" />
        <br /><br />

        Price:
        <asp:TextBox ID="txtPrice" runat="server" />
        <br /><br />

        <asp:Button ID="btnConfirm" runat="server" Text="Confirm Changes"
OnClick="btnConfirm_Click" />
        <br /><br />

        <asp:Label ID="lblMessage" runat="server" />
        <br />

        <asp:HyperLink ID="hlBack" runat="server" NavigateUrl="employee_dashboard.aspx">
          Back
        </asp:HyperLink>

    </div>

  </form>
</body>
</html>
```

## UpdateCatalog.aspx.vb:

```
Partial Class _update_catalog
    Inherits System.Web.UI.Page

    Protected Sub btnConfirm_Click(sender As Object, e As EventArgs) Handles
btnConfirm.Click
```

```vb
            If txtName.Text = "" Or txtDesc.Text = "" Or txtPrice.Text = "" Then
                lblMessage.Text = "Please fill all fields."
            Else
                lblMessage.Text = "Product updated successfully!"
            End If

        End Sub

End Class
```

## Home Page:

### .aspx

```aspx
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="index.aspx.vb"
Inherits="_index" %>
<!DOCTYPE html>
<html>
<head runat="server">
    <title>Pine Valley Furniture</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
    <form id="form1" runat="server">
        <header>
            <h1>Pine Valley Furniture</h1>
        </header>

        <nav>
            <ul>
                <li><a href="register.aspx">Customer Registration</a></li>
                <li><a href="search.aspx">Search Products</a></li>
                <li><a href="Cart.aspx">Cart</a></li>
                <li><a href="Help.aspx">Help</a></li>

            </ul>
        </nav>

        <div class="container">
            <h2>Welcome to Pine Valley Furniture</h2>
            <asp:HyperLink ID="ShopNowLink" runat="server" NavigateUrl="search.aspx">
                <asp:Button ID="btnShopNow" runat="server" Text="Shop Now" CssClass="btn" />
            </asp:HyperLink>
```

```
            </div>

            <footer>
                Contact us: 0309-5878126 | Email: hhm@gmail.com
            </footer>
        </form>
    </body>
</html>
```

## HomePage.aspx.vb

```vb
Partial Class _index
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        ' Optional: Any code to run on page load
    End Sub
End Class
```

## Customer Registration.aspx:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Register.aspx.vb"
Inherits="Register" %>
<!DOCTYPE html>
<html>
<head runat="server">
    <title>Customer Registration</title>
    <link href="style.css" rel="stylesheet" />
</head>
<body>
<form id="form1" runat="server">

<header>
    <h1>Customer Registration</h1>
</header>

<nav>
    <ul>
        <li><a href="index.aspx">Home</a></li>
        <li><a href="Register.aspx">Register</a></li>
        <li><a href="Cart.aspx">Cart</a></li>
    </ul>
</nav>
```

```
<div class="container">

    <div class="auth-box">

        <h2>Create Account</h2>

        <asp:TextBox ID="txtName" runat="server" CssClass="input-field" placeholder="Full
Name" />
        <br /><br />

        <asp:TextBox ID="txtEmail" runat="server" TextMode="SingleLine"
    CssClass="input-field" placeholder="Email" />

        <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"
            CssClass="input-field" placeholder="Password" />
        <br /><br />

        <asp:TextBox ID="txtConfirmPassword" runat="server" TextMode="Password"
            CssClass="input-field" placeholder="Confirm Password" />
        <br /><br />

        <asp:TextBox ID="txtAddress" runat="server" TextMode="MultiLine" Rows="3"
            CssClass="input-field" placeholder="Address" />
        <br /><br />

        <asp:TextBox ID="txtCity" runat="server"
            CssClass="input-field" placeholder="City" />
        <br /><br />

        <asp:TextBox ID="txtState" runat="server"
            CssClass="input-field" placeholder="State" />
        <br /><br />

        <asp:TextBox ID="txtPostal" runat="server"
            CssClass="input-field" placeholder="Postal Code" />
        <br /><br />

        <asp:Button ID="btnSubmit" runat="server"
            Text="Register"
            CssClass="btn"
            OnClick="btnSubmit_Click" />
        <br /><br />

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

```
        </div>

    </div>
    <footer>
        <p>© 2026 Pine Valley Furniture</p>
    </footer>

</form>
</body>
</html>
```

## Register.aspx.vb

```vbnet
Partial Class Register
    Inherits System.Web.UI.Page

    Protected Sub btnSubmit_Click(sender As Object, e As EventArgs)

        If txtPassword.Text <> txtConfirmPassword.Text Then
            lblMessage.ForeColor = Drawing.Color.Red
            lblMessage.Text = "Passwords do not match!"
            Exit Sub
        End If

        lblMessage.ForeColor = Drawing.Color.Green
        lblMessage.Text = "Registration Successful!"

    End Sub

End Class
```

## Search Products.aspx:

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Search Products - Pine Valley Furniture</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
```

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

<header>
    <h1>Search Products</h1>
</header>

<nav>
    <ul>
        <li><a href="index.aspx">Home</a></li>
        <li><a href="register.aspx">Register</a></li>
        <li><a href="Help.aspx">Help</a></li>
    </ul>
</nav>

<div class="container">

    <asp:Label Text="Search Product:" runat="server" />
    <asp:TextBox ID="txtSearch" runat="server"></asp:TextBox>

    <asp:Button ID="btnSearch"
        runat="server"
        Text="Search"
        CssClass="btn"
        OnClick="btnSearch_Click" />

    <asp:Button ID="btnShowAll"
        runat="server"
        Text="Show All"
        CssClass="btn"
        OnClick="btnShowAll_Click" />

    <br /><br />

    <asp:Label ID="lblMessage" runat="server"></asp:Label>

    <div class="product-grid">
        <asp:Repeater ID="rptProducts" runat="server">
            <ItemTemplate>
                <div class="product-card">
                    <div class="image-box">
                        <!-- Placeholder image -->
                    </div>
                    <h3><%# Eval("Product_Description") %></h3>
                    <p>Finish: <%# Eval("Product_Finish") %></p>
```

```
            <p>Price: $<%# Eval("Standard_Price") %></p>
          </div>
        </ItemTemplate>
      </asp:Repeater>
    </div>

</div>

<footer>
    Pine Valley Furniture © 2026
</footer>

</form>

</body>
</html>
```

## SearchProducts.aspx.vb:

```vb
Imports System.Data
Imports System.Data.SqlClient
Imports System.Configuration
Imports System.Web.UI

Partial Class search
    Inherits Page


    Protected Sub btnSearch_Click(sender As Object, e As EventArgs) Handles btnSearch.Click

        Dim constr As String
        constr =
ConfigurationManager.ConnectionStrings("PVFCConnectionString").ConnectionString

        Dim con As New SqlConnection
        con.ConnectionString = constr


        Dim cmd As New SqlCommand
        cmd.Connection = con


        cmd.CommandText = "SELECT Product_Id, Product_Description, Product_Finish,
Standard_Price "
        cmd.CommandText &= "FROM PRODUCT_t "
```

```vbnet
        cmd.CommandText &= "WHERE Product_Description LIKE @search"

        cmd.Parameters.AddWithValue("@search", "%" & txtSearch.Text & "%")

        Dim dr As SqlDataReader

        Try

            con.Open()

            dr = cmd.ExecuteReader()

            If dr.HasRows = False Then

                rptProducts.DataSource = Nothing
                rptProducts.DataBind()
                lblMessage.Text = "No match found."

            Else

                rptProducts.DataSource = dr
                rptProducts.DataBind()
                lblMessage.Text = "Product(s) found."

            End If

        Catch ex As Exception
            lblMessage.Text = "Database Error: " & ex.Message

        Finally
            con.Close()
            cmd.Dispose()
        End Try

    End Sub
```

```vb
    Protected Sub btnShowAll_Click(sender As Object, e As EventArgs) Handles
btnShowAll.Click

    Dim constr As String
    constr =
ConfigurationManager.ConnectionStrings("PVFCConnectionString").ConnectionString

    Dim con As New SqlConnection
    con.ConnectionString = constr

    Dim cmd As New SqlCommand
    cmd.Connection = con

    cmd.CommandText = "SELECT Product_Id, Product_Description, Product_Finish,
Standard_Price "
    cmd.CommandText &= "FROM PRODUCT_t"

    Dim dr As SqlDataReader

    Try
        con.Open()
        dr = cmd.ExecuteReader()

        If dr.HasRows = False Then

            rptProducts.DataSource = Nothing
            rptProducts.DataBind()
            lblMessage.Text = "No products available."

        Else

            rptProducts.DataSource = dr
            rptProducts.DataBind()
            lblMessage.Text = "All products loaded successfully."

        End If

    Catch ex As Exception
        lblMessage.Text = "Database Error: " & ex.Message

    Finally
        con.Close()
        cmd.Dispose()
    End Try
```

```
        End Sub

End Class
```

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

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Shopping Cart</title>
    <link href="style.css" rel="stylesheet" />
</head>
<body>

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

<header>
    <h1>Shopping Cart</h1>
</header>

<nav>
    <ul>
        <li><a href="Main.aspx">Home</a></li>
        <li><a href="Register.aspx">Register</a></li>
        <li><a href="Cart.aspx">Cart</a></li>
    </ul>
</nav>

<div class="container">

    <div class="product-grid">

        <asp:Repeater ID="rptCart" runat="server">
            <ItemTemplate>
                <div class="product-card">

                    <div class="image-box"></div>

                    <h3><%# Eval("ProductName") %></h3>
```

```
                    <p>Price: $<%# Eval("Price") %></p>
                    <p>Quantity: <%# Eval("Quantity") %></p>

                </div>
            </ItemTemplate>
        </asp:Repeater>

    </div>

    <br />

    <asp:Button
        ID="btnCheckout"
        runat="server"
        Text="Proceed to Checkout"
        CssClass="btn"
        PostBackUrl="~/payment.aspx" />

</div>

<footer>
    <p>© 2026 Pine Valley Furniture</p>
</footer>

</form>

</body>
</html>
```

## Cart.aspx.vb:

```vbnet
Imports System
Imports System.Collections.Generic

Partial Class Cart
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            rptCart.DataSource = GetCartItems()
            rptCart.DataBind()
        End If
    End Sub

    Private Function GetCartItems() As List(Of CartItem)
```

```vb
        Dim items As New List(Of CartItem)

        items.Add(New CartItem With {
            .ProductName = "Chair",
            .Price = 50,
            .Quantity = 2
        })

        items.Add(New CartItem With {
            .ProductName = "Table",
            .Price = 120,
            .Quantity = 1
        })

        items.Add(New CartItem With {
            .ProductName = "Lamp",
            .Price = 30,
            .Quantity = 3
        })

        Return items

    End Function

End Class


Public Class CartItem
    Public Property ProductName As String
    Public Property Price As Decimal
    Public Property Quantity As Integer
End Class
```

## Payment.aspx:

```aspx
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="payment.aspx.vb"
Inherits="_payment" %>

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Payment</title>
    <link rel="stylesheet" href="style.css" />
</head>
```

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

<header>
    <h1>Payment Options</h1>
</header>

<div class="container">
    <asp:RadioButton ID="rbCash" runat="server" GroupName="Payment" Text="Cash on
Delivery" /><br />
    <asp:RadioButton ID="rbCard" runat="server" GroupName="Payment" Text="Credit/Debit
Card" /><br />
    <asp:RadioButton ID="rbWallet" runat="server" GroupName="Payment" Text="Other Wallet"
/><br /><br />

     <asp:Button ID="btnConfirm" runat="server" Text="Confirm Payment" CssClass="btn"
OnClick="btnConfirm_Click" /><br /><br />

    <asp:Label ID="lblMessage" runat="server" ForeColor="Green"></asp:Label><br /><br />

    <asp:HyperLink ID="hlBack" runat="server" NavigateUrl="index.aspx">Back</asp:HyperLink>
</div>

</form>
</body>
</html>
```
## Payment.aspx.vb:

```vb
Partial Class _payment
    Inherits System.Web.UI.Page

    Protected Sub btnConfirm_Click(sender As Object, e As EventArgs)
        ' Check which payment method is selected
        If rbCash.Checked Then
            lblMessage.Text = "Cash on Delivery Selected"
        ElseIf rbCard.Checked Then
            lblMessage.Text = "Credit/Debit Card Selected"
        ElseIf rbWallet.Checked Then
            lblMessage.Text = "Wallet Selected"
        Else
            lblMessage.ForeColor = Drawing.Color.Red
            lblMessage.Text = "Please select a payment method"
        End If
    End Sub
End Sub
```

End Class

## Help.aspx:

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

<!DOCTYPE html>
<html>
<head runat="server">
   <title>Help</title>
   <link rel="stylesheet" href="style.css" />
</head>
<body>

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

<header>
   <h1>Help & User Guide</h1>
</header>

<nav>
   <ul>
      <li><a href="index.aspx">Home</a></li>
      <li><a href="Register.aspx">Register</a></li>
      <li><a href="Search.aspx">Search</a></li>
   </ul>
</nav>

<div class="container">

<h3>New Customer Registration</h3>
<p>Customers can register by filling their name, address, city, state and postal code.</p>
<p><a href="Register.aspx">Go to Registration Page</a></p>

<hr />

<h3>Search Products</h3>
<p>Users can search products by description and product line.</p>
<p><a href="Search.aspx">Go to Search Page</a></p>

<hr />
```

```html
<h3>Product Catalog Update</h3>
<p>Only employees can update product description, finish and price.</p>
<p><a href="EmployeeLogin.aspx">Employee Login</a></p>

<hr />

<h3>Payment Provision</h3>
<p>Customers can select payment method after placing order.</p>
<p><a href="payment.aspx">Go to Payment Page</a></p>

</div>

<footer>
    Contact us: 0309-5878126 | Email: hhm@gmail.com
</footer>

</form>

</body>
</html>
```

### Help.aspx.vb:

```vb
Partial Class Help
    Inherits System.Web.UI.Page

End Class
```