

HOME.ASPX

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Home - Pine Valley Furniture</title>
    <style>
        body {
            font-family: Arial;
            padding: 20px;
        }
        nav ul {
            list-style-type: none;
            padding: 0;
            margin: 0 0 20px 0;
            display: flex;
            background-color: #336699;
        }
        nav ul li {
            margin: 0;
        }
        nav ul li a {
            display: block;
            padding: 10px 15px;
            color: white;
            text-decoration: none;
        }
        nav ul li a:hover {
            background-color: #5588aa;
        }
    </style>
</head>
<body>
    <nav>
        <ul>
            <li><a href="home.aspx">Home</a></li>
            <li><a href="register.aspx">Register</a></li>
            <li><a href="search.aspx">Search Products</a></li>
            <li><a href="order.aspx">Order Products</a></li>
            <li><a href="catalog.aspx">Catalog Update</a></li>
            <li><a href="payment.aspx">Payment</a></li>
            <li><a href="help.aspx">Help</a></li>
        </ul>
    </nav>

    <form id="form1" runat="server">
        <div>
            <h1 style="color: #336699;">Welcome to Pine Valley Furniture</h1>
            <p>Please <a href="Register.aspx">Register here</a> if you don't have an
account.</p>
            <p>Already registered? <a href="Login.aspx">Login</a></p>
        </div>
    </form>
</body>
```

</html>

Home.vb

```
Partial Class Home
    Inherits System.Web.UI.Page
End Class
```

Register.aspx

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

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Register - Pine Valley Furniture</title>
    <style>
        body {
            font-family: Arial;
            padding: 20px;
        }
        nav ul {
            list-style-type: none;
            padding: 0;
            margin: 0 0 20px 0;
            display: flex;
            background-color: #336699;
        }
        nav ul li {
            margin: 0;
        }
        nav ul li a {
            display: block;
            padding: 10px 15px;
            color: white;
            text-decoration: none;
        }
        nav ul li a:hover {
            background-color: #5588aa;
        }
        .form-section {
            border: 1px solid #ccc;
            padding: 15px;
            max-width: 500px;
        }
        .form-section input {
            display: block;
            width: 100%;
            padding: 6px;
        }
```

```

        margin: 8px 0;
    }
</style>
</head>
<body>
    <nav>
        <ul>
            <li><a href="home.aspx">Home</a></li>
            <li><a href="register.aspx">Register</a></li>
            <li><a href="search.aspx">Search Products</a></li>
            <li><a href="order.aspx">Order Products</a></li>
            <li><a href="catalog.aspx">Catalog Update</a></li>
            <li><a href="payment.aspx">Payment</a></li>
            <li><a href="help.aspx">Help</a></li>
        </ul>
    </nav>

    <form id="form1" runat="server">
        <div class="form-section">
            <h2>Register</h2>

            <asp:Label ID="lblStatus" runat="server" ForeColor="Red" />

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

            <asp:Button ID="btnRegister" runat="server" Text="Register"
OnClick="btnRegister_Click" />
        </div>
    </form>
</body>
</html>

```

Register.vb

Partial Class Register

Inherits System.Web.UI.Page

Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles Me.Load

```

    If Not IsPostBack Then
        If Not Request.UrlReferrer Is Nothing Then
            Dim referrer As String = Request.UrlReferrer.AbsolutePath.ToLower()
            If Not referrer.Contains("login.aspx") Then
                Response.Redirect("login.aspx")
            End If
        Else
            Response.Redirect("login.aspx")
        End If
    End If
End Sub

```

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

Dim name As String = txtName.Text.Trim()

```

Dim email As String = txtEmail.Text.Trim()
Dim password As String = txtPassword.Text.Trim()

If name = "" OrElse email = "" OrElse password = "" Then
    lblStatus.ForeColor = Drawing.Color.Red
    lblStatus.Text = "All fields are required."
Else
    lblStatus.ForeColor = Drawing.Color.Green
    lblStatus.Text = "Registration successful!"
End If
End Sub
End Class

```

Login.aspx

```

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Login - Pine Valley Furniture</title>
    <style>
        body { font-family: Arial; padding: 20px; }
        nav ul {
            list-style-type: none; padding: 0; margin: 0 0 20px 0; display: flex;
background-color: #336699;
        }
        nav ul li { margin: 0; }
        nav ul li a {
            display: block; padding: 10px 15px; color: white; text-decoration: none;
        }
        nav ul li a:hover { background-color: #5588aa; }
        .form-section {
            border: 1px solid #ccc; padding: 15px; max-width: 400px;
        }
        .form-section input {
            display: block; width: 100%; padding: 6px; margin: 8px 0;
        }
    </style>
</head>
<body>
    <nav>
        <ul>
            <li><a href="home.aspx">Home</a></li>
            <li><a href="register.aspx">Register</a></li>
            <li><a href="search.aspx">Search Products</a></li>
            <li><a href="order.aspx">Order Products</a></li>
            <li><a href="catalog.aspx">Catalog Update</a></li>
            <li><a href="payment.aspx">Payment</a></li>
            <li><a href="help.aspx">Help</a></li>
        </ul>
    </nav>

```

```

<form id="form1" runat="server">
    <div class="form-section">
        <h2>Login</h2>

        <asp:Label ID="lblStatus" runat="server" ForeColor="Red" />

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

        <asp:Button ID="btnLogin" runat="server" Text="Login"
OnClick="btnLogin_Click" />
    </div>
</form>
</body>
</html>

```

Search.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>
    <style>
        body {
            font-family: Arial;
            padding: 20px;
        }

        nav ul {
            list-style-type: none;
            padding: 0;
            margin: 0 0 20px 0;
            display: flex;
            background-color: #336699;
        }

        nav ul li {
            margin: 0;
        }

        nav ul li a {
            display: block;
            padding: 10px 15px;
            color: white;
            text-decoration: none;
        }

        nav ul li a:hover {
            background-color: #5588aa;
        }

        .form-section {

```

```

        border: 1px solid #ccc;
        padding: 15px;
        max-width: 500px;
    }

    .form-section input {
        width: 100%;
        padding: 6px;
        margin: 8px 0;
    }

    .results {
        margin-top: 15px;
        font-size: 16px;
        color: green;
    }
</style>
</head>
<body>
    <nav>
        <ul>
            <li><a href="home.aspx">Home</a></li>
            <li><a href="register.aspx">Register</a></li>
            <li><a href="search.aspx">Search Products</a></li>
            <li><a href="order.aspx">Order Products</a></li>
            <li><a href="catalog.aspx">Catalog Update</a></li>
            <li><a href="payment.aspx">Payment</a></li>
            <li><a href="help.aspx">Help</a></li>
        </ul>
    </nav>

    <form id="form1" runat="server">
        <div class="form-section">
            <h2>Search Products</h2>

            <asp:TextBox ID="txtSearch" runat="server" placeholder="Enter product
name..." />
            <asp:Button ID="btnSearch" runat="server" Text="Search"
OnClick="btnSearch_Click" />

            <asp:Label ID="lblResult" runat="server" CssClass="results" />
        </div>
    </form>
</body>
</html>

```

Search.vb

Partial Class Search

Inherits System.Web.UI.Page

```

Dim productList As List(Of String) = New List(Of String) From {
    "Chair", "Table", "Sofa", "Bed", "Cupboard", "Bookshelf", "Desk", "Lamp"
}

```

```

Protected Sub btnSearch_Click(sender As Object, e As EventArgs)
    Dim query As String = txtSearch.Text.Trim().ToLower()

```

```

        Dim results = productList.Where(Function(p)
p.ToLower().Contains(query)).ToList()

        If query = "" Then
            lblResult.ForeColor = Drawing.Color.Red
            lblResult.Text = "Please enter a product name."
        ElseIf results.Count > 0 Then
            lblResult.ForeColor = Drawing.Color.Green
            lblResult.Text = "Found: " & String.Join(", ", results)
        Else
            lblResult.ForeColor = Drawing.Color.OrangeRed
            lblResult.Text = "No products found matching your search."
        End If
    End Sub
End Class

```

Order.aspx

```

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Order Products</title>
</head>
<body style="font-family: Arial; padding: 20px;">
    <ul>
        <li><a href="home.aspx">Home</a></li>
        <li><a href="register.aspx">Register</a></li>
        <li><a href="search.aspx">Search Products</a></li>
        <li><a href="order.aspx">Order Products</a></li>
        <li><a href="catalog.aspx">Catalog Update</a></li>
        <li><a href="payment.aspx">Payment</a></li>
        <li><a href="help.aspx">Help</a></li>
    </ul>

    <form id="form1" runat="server">
        <h2>Order Products</h2>

        <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False">
            <Columns>
                <asp:TemplateField HeaderText="Select">
                    <ItemTemplate>
                        <asp:CheckBox ID="chkSelect" runat="server" />
                    </ItemTemplate>
                </asp:TemplateField>

                <asp:BoundField DataField="ProductID" HeaderText="ID" />
                <asp:BoundField DataField="ProductName" HeaderText="Product" />
                <asp:BoundField DataField="Price" HeaderText="Price (Rs)" />

                <asp:TemplateField HeaderText="Quantity">
                    <ItemTemplate>

```

```

        <asp:TextBox ID="txtQuantity" runat="server" Text="1"
Width="40px" />
        </ItemTemplate>
    </asp:TemplateField>
</Columns>
</asp:GridView>

    <br />
    <asp:Button ID="btnPlaceOrder" runat="server" Text="Place Order"
OnClick="btnPlaceOrder_Click" />
    <br /><br />
    <asp:Label ID="lblMessage" runat="server" Font-Bold="True" ForeColor="Green"
/>
    </form>
</body>
</html>

```

Order.vb

Imports System.Data

Partial Class Order

Inherits System.Web.UI.Page

' Simulated products table

Private Function GetProducts() As DataTable

Dim dt As New DataTable()

dt.Columns.Add("ProductID")

dt.Columns.Add("ProductName")

dt.Columns.Add("Price", GetType(Decimal))

' Add sample products

dt.Rows.Add("101", "Chair", 1500)

dt.Rows.Add("102", "Table", 3500)

dt.Rows.Add("103", "Sofa", 12000)

dt.Rows.Add("104", "Cupboard", 8500)

dt.Rows.Add("105", "Bed", 15000)

Return dt

End Function

Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles Me.Load

If Not IsPostBack Then

GridView1.DataSource = GetProducts()

GridView1.DataBind()

End If

End Sub

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

Dim message As String = "You ordered: "

Dim hasOrder As Boolean = False

For Each row As GridViewRow In GridView1.Rows

Dim chkSelect As CheckBox = CType(row.FindControl("chkSelect"),
CheckBox)

If chkSelect IsNot Nothing AndAlso chkSelect.Checked Then

```

        Dim productName As String = row.Cells(2).Text ' ProductName column
index 2 (0-based)
        Dim qtyBox As TextBox = CType(row.FindControl("txtQuantity"),
TextBox)
        Dim quantity As String = "1"
        If qtyBox IsNot Nothing Then
            quantity = qtyBox.Text
        End If

        message &= productName & " (Qty: " & quantity & "), "

        hasOrder = True
    End If
Next

If hasOrder Then
    ' Remove last comma and space
    message = message.TrimEnd(", ", "c")
    lblMessage.Text = message
Else
    lblMessage.Text = "No products selected."
    lblMessage.ForeColor = System.Drawing.Color.Red
End If
End Sub
End Class

```

Payment.aspx

```

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Payment - Pine Valley Furniture</title>
</head>
<body style="font-family: Arial; padding: 20px;">
    <ul>
        <li><a href="home.aspx">Home</a></li>
        <li><a href="register.aspx">Register</a></li>
        <li><a href="search.aspx">Search Products</a></li>
        <li><a href="order.aspx">Order Products</a></li>
        <li><a href="catalog.aspx">Catalog Update</a></li>
        <li><a href="payment.aspx">Payment</a></li>
        <li><a href="help.aspx">Help</a></li>
    </ul>

    <form id="form1" runat="server">
        <h2>Payment</h2>

        <asp:Label ID="lblMsg" runat="server" ForeColor="Red"></asp:Label><br />

        <asp:Label ID="lblName" runat="server" Text="Cardholder Name:"
AssociatedControlID="txtName"></asp:Label><br />
        <asp:TextBox ID="txtName" runat="server" Width="300px"></asp:TextBox><br
/><br />

```

```

        <asp:Label ID="lblCardNumber" runat="server" Text="Card Number:"
AssociatedControlID="txtCardNumber"></asp:Label><br />
        <asp:TextBox ID="txtCardNumber" runat="server" Width="300px"
MaxLength="16"></asp:TextBox><br /><br />

        <asp:Label ID="lblExpiry" runat="server" Text="Expiry Date (MM/YY):"
AssociatedControlID="txtExpiry"></asp:Label><br />
        <asp:TextBox ID="txtExpiry" runat="server" Width="100px"
MaxLength="5"></asp:TextBox><br /><br />

        <asp:Label ID="lblCVV" runat="server" Text="CVV:"
AssociatedControlID="txtCVV"></asp:Label><br />
        <asp:TextBox ID="txtCVV" runat="server" Width="50px" MaxLength="3"
TextMode="Password"></asp:TextBox><br /><br />

        <asp:Button ID="btnPay" runat="server" Text="Submit Payment"
OnClick="btnPay_Click" />
        <br /><br />

        <asp:Label ID="lblSuccess" runat="server" ForeColor="Green"></asp:Label>
    </form>
</body>
</html>

```

Payment.vb

Partial Class Payment

Inherits System.Web.UI.Page

```

Protected Sub btnPay_Click(sender As Object, e As EventArgs)
    lblMsg.Text = ""
    lblSuccess.Text = ""

    Dim name As String = txtName.Text.Trim()
    Dim cardNumber As String = txtCardNumber.Text.Trim()
    Dim expiry As String = txtExpiry.Text.Trim()
    Dim cvv As String = txtCVV.Text.Trim()

    ' Simple validations
    If name = "" OrElse cardNumber.Length <> 16 OrElse Not IsNumeric(cardNumber)
Then
        lblMsg.Text = "Please enter a valid 16-digit card number."
        Return
    End If

    If Not System.Text.RegularExpressions.Regex.IsMatch(expiry, "^(0[1-9]|1[0-
2])\d{2}$") Then
        lblMsg.Text = "Expiry date must be in MM/YY format."
        Return
    End If

    If cvv.Length <> 3 OrElse Not IsNumeric(cvv) Then
        lblMsg.Text = "Please enter a valid 3-digit CVV."
        Return
    End If

    lblSuccess.Text = "Payment processed successfully. Thank you!"

```

```

        txtName.Text = ""
        txtCardNumber.Text = ""
        txtExpiry.Text = ""
        txtCVV.Text = ""
    End Sub
End Class

```

Help.aspx

```

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Help - Pine Valley Furniture</title>
</head>
<body style="font-family: Arial; padding: 20px;">
    <ul>
        <li><a href="home.aspx">Home</a></li>
        <li><a href="register.aspx">Register</a></li>
        <li><a href="search.aspx">Search Products</a></li>
        <li><a href="order.aspx">Order Products</a></li>
        <li><a href="catalog.aspx">Catalog Update</a></li>
        <li><a href="payment.aspx">Payment</a></li>
        <li><a href="help.aspx">Help</a></li>
    </ul>

    <h2>Help & Contact Information</h2>

    <p>For any assistance, please contact us:</p>
    <ul>
        <li><strong>Email:</strong> support@pinevalleyfurniture.com</li>
        <li><strong>Phone:</strong> +92 300 1234567</li>
        <li><strong>Address:</strong> 123 Furniture Lane, Lahore, Pakistan</li>
    </ul>

    <h3>Frequently Asked Questions</h3>
    <ul>
        <li><strong>How do I place an order?</strong><br />Go to the Order Products
page and select the items you want.</li>
        <li><strong>What payment methods are accepted?</strong><br />We accept all
major credit/debit cards via our Payment page.</li>
        <li><strong>How do I update the product catalog?</strong><br />Use the
Catalog Update page to add or modify products.</li>
    </ul>
</body>
</html>

```

Help.vb

```

Partial Class Help
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

    End Sub

```

End Class

Catalog.aspx

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Catalog Update - Pine Valley Furniture</title>
</head>
<body style="font-family: Arial; padding: 20px;">
    <ul>
        <li><a href="home.aspx">Home</a></li>
        <li><a href="register.aspx">Register</a></li>
        <li><a href="search.aspx">Search Products</a></li>
        <li><a href="order.aspx">Order Products</a></li>
        <li><a href="catalog.aspx">Catalog Update</a></li>
        <li><a href="payment.aspx">Payment</a></li>
        <li><a href="help.aspx">Help</a></li>
    </ul>

    <form id="form1" runat="server">
        <h2>Catalog Update</h2>

        <asp:Label ID="lblMsg" runat="server" ForeColor="Red"></asp:Label><br />

        <asp:Label ID="lblProductID" runat="server" Text="Product ID:"
AssociatedControlID="txtProductID"></asp:Label><br />
        <asp:TextBox ID="txtProductID" runat="server"
Width="200px"></asp:TextBox><br /><br />

        <asp:Label ID="lblProductName" runat="server" Text="Product Name:"
AssociatedControlID="txtProductName"></asp:Label><br />
        <asp:TextBox ID="txtProductName" runat="server"
Width="300px"></asp:TextBox><br /><br />

        <asp:Label ID="lblPrice" runat="server" Text="Price:"
AssociatedControlID="txtPrice"></asp:Label><br />
        <asp:TextBox ID="txtPrice" runat="server" Width="100px"></asp:TextBox><br
/><br />

        <asp:Button ID="btnAddUpdate" runat="server" Text="Add / Update Product"
OnClick="btnAddUpdate_Click" /><br /><br />

        <asp:GridView ID="GridViewCatalog" runat="server"
AutoGenerateColumns="False" EmptyDataText="No products found.">
            <Columns>
                <asp:BoundField DataField="ProductID" HeaderText="Product ID" />
                <asp:BoundField DataField="ProductName" HeaderText="Product Name" />
                <asp:BoundField DataField="Price" HeaderText="Price (Rs)"
DataFormatString="{0:C}" />
            </Columns>
        </asp:GridView>
```

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

Catalog.vb

```
Imports System.Data
```

```
Partial Class Catalog
```

```
    Inherits System.Web.UI.Page
```

```
    Private Const CatalogSessionKey As String = "ProductCatalog"
```

```
    Private Function GetCatalog() As DataTable
```

```
        Dim dt As DataTable = TryCast(Session(CatalogSessionKey), DataTable)
```

```
        If dt Is Nothing Then
```

```
            dt = New DataTable()
```

```
            dt.Columns.Add("ProductID")
```

```
            dt.Columns.Add("ProductName")
```

```
            dt.Columns.Add("Price", GetType(Decimal))
```

```
            ' Add initial products
```

```
            dt.Rows.Add("101", "Chair", 1500)
```

```
            dt.Rows.Add("102", "Table", 3500)
```

```
            dt.Rows.Add("103", "Sofa", 12000)
```

```
            Session(CatalogSessionKey) = dt
```

```
        End If
```

```
        Return dt
```

```
    End Function
```

```
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
```

```
        If Not IsPostBack Then
```

```
            BindCatalog()
```

```
        End If
```

```
    End Sub
```

```
    Private Sub BindCatalog()
```

```
        GridViewCatalog.DataSource = GetCatalog()
```

```
        GridViewCatalog.DataBind()
```

```
    End Sub
```

```
    Protected Sub btnAddUpdate_Click(sender As Object, e As EventArgs)
```

```
        lblMsg.ForeColor = System.Drawing.Color.Red
```

```
        lblMsg.Text = ""
```

```
        Dim productID As String = txtProductID.Text.Trim()
```

```
        Dim productName As String = txtProductName.Text.Trim()
```

```
        Dim priceText As String = txtPrice.Text.Trim()
```

```
        Dim priceValue As Decimal = 0
```

```
        If productID = "" OrElse productName = "" OrElse Not
Decimal.TryParse(priceText, priceValue) Then
```

```

        lblMsg.Text = "Please enter valid Product ID, Name, and Price."
        Return
    End If

    Dim dt As DataTable = GetCatalog()
    Dim foundRows() As DataRow = dt.Select("ProductID = '" &
productID.Replace("'", "''") & "'")

    If foundRows.Length > 0 Then
        ' Update existing product
        foundRows(0)("ProductName") = productName
        foundRows(0)("Price") = priceValue
        lblMsg.ForeColor = System.Drawing.Color.Green
        lblMsg.Text = "Product updated successfully."
    Else
        ' Add new product
        dt.Rows.Add(productID, productName, priceValue)
        lblMsg.ForeColor = System.Drawing.Color.Green
        lblMsg.Text = "Product added successfully."
    End If

    Session(CatalogSessionKey) = dt

    BindCatalog()

    ' Clear inputs
    txtProductID.Text = ""
    txtProductName.Text = ""
    txtPrice.Text = ""
End Sub
End Class

```