

# IAD Lab 04

## Code

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# Task 1

.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>
```

[.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
  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

## Index Page

.aspx

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

```
<!DOCTYPE html>
<html>
```

```
<head runat="server">
    <title>Pine Valley Furniture</title>
    <link href="style.css" rel="stylesheet" />
</head>
```

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

        <header>
            <h1>Pine Valley Furniture</h1>
        </header>
```

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

        <li><a href="LoginChoice.aspx">Login</a></li>

        <li><a href="Register.aspx">Register</a></li>
        <li><a href="search.aspx">Search</a></li>
        <li><a href="Help.aspx">Help</a></li>
```

```
<li><a href="Cart.aspx">Cart</a></li>
<li><a href="payment.aspx">Payment</a></li>
</ul>
</nav>

<div class="main-container">
  <h2>Welcome to Pine Valley Furniture</h2>
  <br>
  <a href="order.html" class="btn">Shop Now</a>
</div>

<footer>
  <h3>Contact Us</h3>
  <p>Phone: +92 1234567890</p>
  <p>Email: support@pinevalleyfurniture.com</p>
</footer>

</form>
</body>

</html>
```

[.aspx.vb](#)

Partial Class Main  
Inherits System.Web.UI.Page

End Class

## Register Page

.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="LoginChoice.aspx">Login</a></li>

    <li><a href="Register.aspx">Register</a></li>
    <li><a href="search.aspx">Search</a></li>
    <li><a href="Help.aspx">Help</a></li>

    <li><a href="Cart.aspx">Cart</a></li>
    <li><a href="payment.aspx">Payment</a></li>
  </ul>
</nav>

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

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

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

</div>

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

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

[.aspx.vb](#)

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

## Login Choice Page

.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>
```

```
<div class="auth-box">
```

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

```
  <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>
```

[.aspx.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 Page

.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>
```

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

```
<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" />
```

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

</div>

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

## [.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
```

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

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

```
    End Sub
```

```
End Class
```

## Search Page

```
.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>

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

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

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

    <li><a href="LoginChoice.aspx">Login</a></li>

    <li><a href="Register.aspx">Register</a></li>
    <li><a href="search.aspx">Search</a></li>
    <li><a href="Help.aspx">Help</a></li>

    <li><a href="Cart.aspx">Cart</a></li>
    <li><a href="payment.aspx">Payment</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">
        </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 © 2024
</footer>

</form>

</body>
</html>
```

[.aspx.vb](#)

```
Imports System.Data
Imports System.Data.SqlClient
Imports System.Configuration
```

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

```
  Private connStr As String =
  ConfigurationManager.ConnectionStrings("PVFCCConnectionString").ConnectionString
```

```
  Private Sub LoadProducts(query As String, Optional searchText As String = "")
```

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

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

```
If searchText <> "" Then
    cmd.Parameters.AddWithValue("@search", "%" & searchText & "%")
End If
```

```
Dim da As New SqlDataAdapter(cmd)
Dim dt As New DataTable()
```

```
Try
    conn.Open()
    da.Fill(dt)

    rptProducts.DataSource = dt
    rptProducts.DataBind()

    If dt.Rows.Count = 0 Then
        lblMessage.Text = "No products found."
    Else
        lblMessage.Text = dt.Rows.Count & " product(s) found."
    End If
```

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

```
End Using
```

```
End Sub
```

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

```
    Dim query As String = "SELECT Product_Id, Product_Description, Product_Finish,
Standard_Price " &
        "FROM PRODUCT_t " &
        "WHERE Product_Description LIKE @search"
```

```
    LoadProducts(query, txtSearch.Text)
```

```
End Sub
```

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

```
    Dim query As String = "SELECT Product_Id, Product_Description, Product_Finish,
Standard_Price FROM PRODUCT_t"
```

```
LoadProducts(query)
```

```
End Sub
```

```
End Class
```

## Cart Page

```
.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="index.aspx">Home</a></li>
```

```
    <li><a href="LoginChoice.aspx">Login</a></li>
```

```
    <li><a href="Register.aspx">Register</a></li>
```

```
    <li><a href="search.aspx">Search</a></li>
```

```
    <li><a href="Help.aspx">Help</a></li>
```

```
    <li><a href="Cart.aspx">Cart</a></li>
```

```
    <li><a href="payment.aspx">Payment</a></li>
```

```
  </ul>
```

```
</nav>
```

```
<div class="main-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>
```

[.aspx.vb](#)

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 Array
    Return New Object() {
        New With {.ProductName = "Chair", .Price = 50, .Quantity = 2},
        New With {.ProductName = "Table", .Price = 120, .Quantity = 1},
        New With {.ProductName = "Lamp", .Price = 30, .Quantity = 3}
    }
End Function
```

```
End Class
```

## Payment Page

.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>
```

```
<nav>
```

```
<ul>
```

```
    <li><a href="index.aspx">Home</a></li>
```

```
    <li><a href="LoginChoice.aspx">Login</a></li>
```

```

    <li><a href="Register.aspx">Register</a></li>
    <li><a href="search.aspx">Search</a></li>
    <li><a href="Help.aspx">Help</a></li>

    <li><a href="Cart.aspx">Cart</a></li>
    <li><a href="payment.aspx">Payment</a></li>
</ul>
</nav>

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

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

```

## [.aspx.vb](#)

Partial Class \_payment

Inherits System.Web.UI.Page

Protected Sub btnConfirm\_Click(sender As Object, e As EventArgs)

    If rbCash.Checked Then

        Response.Write("<script>alert('Cash on Delivery Selected');</script>")

    ElseIf rbCard.Checked Then

        Response.Write("<script>alert('Card Payment Selected');</script>")

    ElseIf rbWallet.Checked Then

        Response.Write("<script>alert('Wallet Selected');</script>")

    Else

        Response.Write("<script>alert('Please select payment method');</script>")

    End If

End Sub

End Class

# Help Page

.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="LoginChoice.aspx">Login</a></li>
```

```
    <li><a href="Register.aspx">Register</a></li>
```

```
    <li><a href="search.aspx">Search</a></li>
```

```
    <li><a href="Help.aspx">Help</a></li>
```

```
    <li><a href="Cart.aspx">Cart</a></li>
```

```
    <li><a href="payment.aspx">Payment</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 />
```

```
<h3>Product Selection & Order Placement</h3>
```

```
<p>Customers can select products, enter quantity and place orders.</p>
```

```
<p><a href="Order.aspx">Go to Order Page</a></p>
```

```
<hr />
```

```
<h3>Product Catalog Update</h3>
```

```
<p>Only employees can update product description, finish and price.</p>
```

```
<p><a href="Employee_Login.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>
```

```
.aspx.vb
```

```
Partial Class Help
```

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

```
End Class
```

```
Style.css
```

```
body {
```

```
font-family: Arial, sans-serif;
margin: 0;
padding: 0;
display: flex;
flex-direction: column;
min-height: 100vh;
background-color: #FFF2E0; /* light cream */
color: #2d2d2d;
}
```

```
header {
  background: #898AC4;
  color: white;
  padding: 15px;
  text-align: center;
}
```

```
nav ul {
  list-style-type: none;
  background-color: #A2AADB;
  padding: 0;
  margin: 0;
  overflow: hidden;
}
```

```
nav ul li {
  float: left;
}
```

```
nav ul li a {
  display: block;
  color: #FFF2E0;
  padding: 12px 18px;
  text-decoration: none;
}
```

```
nav ul li a:hover {
  background-color: #C0C9EE;
  color: #FFF2E0;
}
```

```
.container {
```

```
padding: 25px;
flex: 1;
width: 350px;
background: white;
border-radius: 12px;
box-shadow: 0px 0px 15px rgba(0,0,0,0.2);
margin: auto;
margin-top: 20px;
margin-bottom: 20px;
}
```

```
.main-container {
padding: 25px;
flex: 1;
margin-top: 20px;
margin-bottom: 20px;
text-align: center;
}
```

```
button, .btn {
padding: 10px 18px;
background: #A2AADB;
color: white;
border: none;
border-radius: 8px;
cursor: pointer;
}
```

```
button:hover, .btn:hover {
background: #898AC4;
}
```

```
footer {
background-color: #C0C9EE;
text-align: center;
padding: 12px;
width: 100%;
}
```

```
.product-grid {
display: flex;
flex-wrap: wrap;
gap: 20px;
```

```
}
```

```
.product-card {  
  background: #C0C9EE;  
  padding: 15px;  
  border-radius: 10px;  
  width: 200px;  
  text-align: center;  
}
```

```
.image-box {  
  width: 100%;  
  height: 120px;  
  background-color: #A2AADB;  
  border-radius: 8px;  
  margin-bottom: 10px;  
}
```

```
.auth-box {  
  width: 350px;  
  background: white;  
  padding: 25px;  
  border-radius: 12px;  
  box-shadow: 0px 0px 15px rgba(0,0,0,0.2);  
  margin: auto;  
  text-align: center;  
}
```

```
.auth-box input, .auth-box .btn {  
  width: 80%;  
  padding: 10px;  
  margin-top: 10px;  
}
```