

IAD Lab 05

Code

Name	Hamna Asif
Semester	6
Roll No	BS-23-IB-101905
Department	CIS

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>Pine Valley Furniture - Customer Registration</h1>
```

```
</header>
```

```
<nav>
```

```
  <ul>
```

```
    <li><a href="main.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>
```

```
    <li><a href="update_catalog.aspx">Update Catalog</a></li>
```

```
    <li><a href="update_customer.aspx">Update Customer</a></li>
```

```
  </ul>
```

```
</nav>
```

```
<div class="container">
```

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

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

```
<asp:TextBox ID="txtCustomerId" runat="server"
  CssClass="input-field" placeholder="Customer ID" />
<br /><br />
```

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

```
<asp:TextBox ID="txtAddress" runat="server"
  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 (2 letters)" />
<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>
```

```
</form>
```

```
</body>
```

```
</html>
```

.aspx.vb

Imports System.Data.SqlClient

Imports System.Configuration

Partial Class Register

Inherits System.Web.UI.Page

Dim connStr As String = ConfigurationManager.ConnectionStrings("PVFC").ConnectionString

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

Dim conn As New SqlConnection(connStr)

Dim query As String = "INSERT INTO CUSTOMER_t " &
"(Customer_Id, Customer_Name, Customer_Address, Customer_City,
Customer_State, Postal_Code) " &
"VALUES (" &
txtCustomerId.Text & ", " &
"" & txtName.Text & ", " &
"" & txtAddress.Text & ", " &
"" & txtCity.Text & ", " &
"" & txtState.Text & ", " &
"" & txtPostal.Text & "")"

Dim cmd As New SqlCommand(query, conn)

Try

conn.Open()

cmd.ExecuteNonQuery()

lblMessage.ForeColor = Drawing.Color.Green

lblMessage.Text = "Customer Registered Successfully!"

conn.Close()

Catch ex As Exception

lblMessage.ForeColor = Drawing.Color.Red

lblMessage.Text = "Error: " & ex.Message

End Try

End Sub

End Class

Update Customer Page

.aspx

```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="update_customer.aspx.vb"
Inherits="update_customer" %>
<!DOCTYPE html>
<html>
<head runat="server">
  <title>Update Customer</title>
  <link rel="stylesheet" href="style.css" />
</head>

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

<header>
  <h1>Pine Valley Furniture - Update Customer</h1>
</header>

<nav>
  <ul>
    <li><a href="main.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>

    <li><a href="update_catalog.aspx">Update Catalog</a></li>
    <li><a href="update_customer.aspx">Update Customer</a></li>
  </ul>
</nav>

<div class="container">
  <h3>Search Customer</h3>
  Customer ID:
```

```

    <asp:TextBox ID="txtCustomerId" runat="server" CssClass="input-field" Placeholder="Enter
Customer ID"></asp:TextBox>
    <asp:Button ID="btnSearch" runat="server" Text="Search" CssClass="btn"
OnClick="btnSearch_Click" /><br /><br />
    <h3>Edit Customer</h3>
    Name:
    <asp:TextBox ID="txtName" runat="server" CssClass="input-field"></asp:TextBox><br /><br
/>
    Address:
    <asp:TextBox ID="txtAddress" runat="server" CssClass="input-field"></asp:TextBox><br
/><br />
    City:
    <asp:TextBox ID="txtCity" runat="server" CssClass="input-field"></asp:TextBox><br /><br />
    State:
    <asp:TextBox ID="txtState" runat="server" CssClass="input-field"></asp:TextBox><br /><br />
    Postal Code:
    <asp:TextBox ID="txtPostal" runat="server" CssClass="input-field"></asp:TextBox><br /><br
/>

    <asp:Button ID="btnUpdate" runat="server" Text="Update" CssClass="btn"
OnClick="btnUpdate_Click" Enabled="False" /><br /><br />

    <asp:Label ID="lblMessage" runat="server"></asp:Label><br /><br />
    <asp:HyperLink NavigateUrl="main.aspx" runat="server">
        Back
    </asp:HyperLink>

</div>

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

```

.aspx.vb

```

Imports System.Configuration
Imports System.Data.SqlClient

```

```

Partial Class update_customer
    Inherits System.Web.UI.Page

```

```

    Dim connStr As String = ConfigurationManager.ConnectionStrings("PVFC").ConnectionString

```

```
' SEARCH BUTTON
```

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

```
    ' Validate ID
```

```
    If txtCustomerId.Text = "" Then
```

```
        lblMessage.Text = "Please enter Customer ID"
```

```
        Exit Sub
```

```
    End If
```

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

```
    Dim query As String = "SELECT * FROM CUSTOMER_t WHERE Customer_Id = " &  
txtCustomerId.Text
```

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

```
    Try
```

```
        conn.Open()
```

```
        Dim reader As SqlDataReader = cmd.ExecuteReader()
```

```
        If reader.Read() Then
```

```
            txtName.Text = reader("Customer_Name").ToString()
```

```
            txtAddress.Text = reader("Customer_Address").ToString()
```

```
            txtCity.Text = reader("Customer_City").ToString()
```

```
            txtState.Text = reader("Customer_State").ToString()
```

```
            txtPostal.Text = reader("Postal_Code").ToString()
```

```
            lblMessage.Text = "Customer Found!"
```

```
            btnUpdate.Enabled = True ' Allow update now
```

```
        Else
```

```
            lblMessage.Text = "Customer ID does not exist!"
```

```
            btnUpdate.Enabled = False
```

```
        End If
```

```
        conn.Close()
```

```
    Catch ex As Exception
```

```
        lblMessage.Text = "Error: " & ex.Message
```

```
    End Try
```

```
End Sub
```

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

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

```
    Dim query As String = "UPDATE CUSTOMER_t SET " &  
        "Customer_Name = " & txtName.Text & ", " &  
        "Customer_Address = " & txtAddress.Text & ", " &  
        "Customer_City = " & txtCity.Text & ", " &  
        "Customer_State = " & txtState.Text & ", " &  
        "Postal_Code = " & txtPostal.Text & " " &  
        "WHERE Customer_Id = " & txtCustomerId.Text
```

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

```
    Try
```

```
        conn.Open()  
        cmd.ExecuteNonQuery()
```

```
        lblMessage.Text = "Customer Updated Successfully!"
```

```
        conn.Close()
```

```
    Catch ex As Exception
```

```
        lblMessage.Text = "Error: " & ex.Message  
    End Try
```

```
End Sub
```

```
End Class
```

Update Catalog Page

.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>

<nav>
  <ul>
    <li><a href="main.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>

    <li><a href="update_catalog.aspx">Update Catalog</a></li>
    <li><a href="update_customer.aspx">Update Customer</a></li>
  </ul>
</nav>

<div class="container">

  <h3>Search Product</h3>
  Product Description:
  <asp:TextBox ID="txtSearch" runat="server" Placeholder="Enter product
description"></asp:TextBox>
  <asp:Button ID="btnSearch" runat="server" Text="Search" CssClass="btn" /><br /><br />

  <h3>Edit Product</h3>
  Product ID:
  <asp:Label ID="lblProductID" runat="server" Text=""></asp:Label><br /><br />

  Product Line ID:
  <asp:TextBox ID="txtLineID" runat="server"></asp:TextBox><br /><br />

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

  Product Finish:
```

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

Standard Price:

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

```
<asp:Button ID="btnConfirm" runat="server" Text="Confirm Changes" CssClass="btn" /><br /><br />
```

```
<asp:HyperLink NavigateUrl="employee_dashboard.aspx" runat="server">
```

Back

```
</asp:HyperLink>
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

.aspx.vb

```
Imports System.Data
```

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

```
Partial Class _update_catalog
```

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

```
' Use your actual connection string
```

```
Dim connString As String =
```

```
ConfigurationManager.ConnectionStrings("PVFC").ConnectionString
```

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

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

```
Dim cmd As New SqlCommand("SELECT * FROM PRODUCT_t WHERE
```

```
Product_Description LIKE @desc", conn)
```

```
cmd.Parameters.AddWithValue("@desc", "%" & txtSearch.Text.Trim() & "%")
```

```
conn.Open()
```

```
Dim reader As SqlDataReader = cmd.ExecuteReader()
```

```
If reader.Read() Then
```

```
lblProductID.Text = reader("Product_Id").ToString()
```

```
txtLineID.Text = reader("Product_Line_Id").ToString()
```

```
txtDesc.Text = reader("Product_Description").ToString()
```

```
txtFinish.Text = reader("Product_Finish").ToString()
```

```
txtPrice.Text = reader("Standard_Price").ToString()
```

```
Else
```

```

        lblProductID.Text = ""
        txtLineID.Text = ""
        txtDesc.Text = ""
        txtFinish.Text = ""
        txtPrice.Text = ""
        Response.Write("<script>alert('Product not found');</script>")
    End If
End Using
End Sub

```

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

```

    If lblProductID.Text = "" Then
        Response.Write("<script>alert('No product selected to update');</script>")
        Return
    End If

```

```

    Using conn As New SqlConnection(connString)
        Dim cmd As New SqlCommand("UPDATE PRODUCT_t SET Product_Line_Id=@lineid,
Product_Description=@desc, Product_Finish=@finish, Standard_Price=@price WHERE
Product_Id=@id", conn)
        cmd.Parameters.AddWithValue("@lineid", Convert.ToInt32(txtLineID.Text.Trim()))
        cmd.Parameters.AddWithValue("@desc", txtDesc.Text.Trim())
        cmd.Parameters.AddWithValue("@finish", txtFinish.Text.Trim())
        cmd.Parameters.AddWithValue("@price", Convert.ToDecimal(txtPrice.Text.Trim()))
        cmd.Parameters.AddWithValue("@id", Convert.ToInt32(lblProductID.Text))

        conn.Open()
        cmd.ExecuteNonQuery()
    End Using

```

```

    Response.Write("<script>alert('Changes saved successfully');</script>")
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="main.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>
    <li><a href="update_catalog.aspx">Update Catalog</a></li>
    <li><a href="update_customer.aspx">Update Customer</a></li>
  </ul>
</nav>

<div class="container">

  <div style="margin-bottom:20px;">

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

    <asp:TextBox
      ID="txtSearch"
      runat="server"
      style="padding:8px; border-radius:6px; border:1px solid #ccc;">
    </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" />
```

```
</div>
```

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

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

```
<div class="product-grid">
```

```
<asp:Repeater ID="rptProducts" runat="server"
OnItemCommand="rptProducts_ItemCommand">
<ItemTemplate>
```

```
<div class="product-card">
```

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

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

```
<p>Finish: <%# Eval("Product_Finish") %></p>
```

```
<p><strong>$ <%# Eval("Standard_Price") %></strong></p>
```

```
<div style="margin-top:10px;">
```

```
Quantity:
```

```
<asp:TextBox
```

```
ID="txtQty"
```

```
runat="server"
```

```
Width="50px"
```

```
style="padding:5px; border-radius:6px; border:1px solid #ccc;">
```

```
</asp:TextBox>
```

```
</div>
```

```

        <asp:Button
            ID="btnAdd"
            runat="server"
            Text="Add To Cart"
            CssClass="btn"
            style="margin-top:10px; width:100%;"
            CommandName="AddToCart"
            CommandArgument='<%# Eval("Product_Id") %>' />

    </div>

</ItemTemplate>
</asp:Repeater>

</div>

</div>

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

```

.aspx.vb

```

Imports System.Data.SqlClient
Imports System.Configuration

```

```

Partial Class search
    Inherits System.Web.UI.Page

```

```

    Dim connStr As String = ConfigurationManager.ConnectionStrings("PVFC").ConnectionString
    Protected Sub btnSearch_Click(sender As Object, e As EventArgs)

```

```

        Dim con As New SqlConnection(connStr)

```

```

        Dim query As String = "SELECT Product_Id, Product_Description, Product_Finish,
Standard_Price " &
            "FROM PRODUCT_t WHERE Product_Description LIKE '%" &
txtSearch.Text & "%"

```

```

        Dim cmd As New SqlCommand(query, con)

```

```

        con.Open()
        Dim dr As SqlDataReader = cmd.ExecuteReader()

```

```
rptProducts.DataSource = dr  
rptProducts.DataBind()
```

```
con.Close()
```

```
End Sub
```

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

```
    Dim con As New SqlConnection(connStr)
```

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

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

```
    con.Open()
```

```
    Dim dr As SqlDataReader = cmd.ExecuteReader()
```

```
    rptProducts.DataSource = dr  
    rptProducts.DataBind()
```

```
    con.Close()
```

```
End Sub
```

```
Protected Sub rptProducts_ItemCommand(source As Object, e As  
RepeaterCommandEventArgs)
```

```
    If e.CommandName = "AddToCart" Then
```

```
        Dim productId As Integer = Convert.ToInt32(e.CommandArgument)
```

```
        Dim txtQty As TextBox = CType(e.Item.FindControl("txtQty"), TextBox)
```

```
        If txtQty.Text = "" Then
```

```
            lblMessage.Text = "Enter quantity."
```

```
            Exit Sub
```

```
        End If
```

```
        Dim quantity As Integer = Convert.ToInt32(txtQty.Text)
```

```
        Dim con As New SqlConnection(connStr)
```

```
        con.Open()
```

```

Dim orderId As Integer = 0

Dim checkOrderQuery As String = "SELECT TOP 1 Order_Id FROM ORDER_t WHERE
Customer_Id = 1 AND Order_Date = CAST(GETDATE() AS DATE)"
Dim cmdCheckOrder As New SqlCommand(checkOrderQuery, con)

Dim result = cmdCheckOrder.ExecuteScalar()

If result Is Nothing Then

    Dim newIdQuery As String = "SELECT ISNULL(MAX(Order_Id),1000)+1 FROM
ORDER_t"
    Dim cmdNewId As New SqlCommand(newIdQuery, con)
    orderId = Convert.ToInt32(cmdNewId.ExecuteScalar())

    Dim insertOrderQuery As String = "INSERT INTO ORDER_t VALUES (" & orderId &
",1,CAST(GETDATE() AS DATE))"
    Dim cmdInsertOrder As New SqlCommand(insertOrderQuery, con)
    cmdInsertOrder.ExecuteNonQuery()

Else
    orderId = Convert.ToInt32(result)
End If

Dim checkLineQuery As String = "SELECT Ordered_Quantity FROM Order_line_t
WHERE Order_Id = " & orderId &
" AND Product_Id = " & productId

Dim cmdCheckLine As New SqlCommand(checkLineQuery, con)
Dim existingQty = cmdCheckLine.ExecuteScalar()

If existingQty IsNot Nothing Then

    Dim newQty As Integer = Convert.ToInt32(existingQty) + quantity

    Dim updateQuery As String = "UPDATE Order_line_t SET Ordered_Quantity = " &
newQty &
" WHERE Order_Id = " & orderId &
" AND Product_Id = " & productId

    Dim cmdUpdate As New SqlCommand(updateQuery, con)
    cmdUpdate.ExecuteNonQuery()

```

```

Else

    Dim insertLineQuery As String = "INSERT INTO Order_line_t VALUES (" & orderId &
    "," & productId & "," & quantity & ")"
    Dim cmdInsertLine As New SqlCommand(insertLineQuery, con)
    cmdInsertLine.ExecuteNonQuery()

End If

con.Close()

lblMessage.Text = "Product added successfully!"

End If

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 rel="stylesheet" href="style.css" />
</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="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>

<li><a href="update_catalog.aspx">Update Catalog</a></li>
<li><a href="update_customer.aspx">Update Customer</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("Product_Description") %></h3>

      <p>Finish: <%# Eval("Product_Finish") %></p>

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

      <p>Quantity: <%# Eval("Ordered_Quantity") %></p>

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

</div>

<br />

<asp:Label ID="lblMessage" runat="server"
  style="display:block; color:green; margin-bottom:10px;"></asp:Label>
```

```
<asp:Button ID="paymentbtn" runat="server"  
Text="Proceed to Pay+"  
CssClass="btn"  
PostBackUrl="payment.aspx" />
```

```
<asp:Button ID="btnBack" runat="server"  
Text="Continue Shopping"  
CssClass="btn"  
PostBackUrl="search.aspx" />
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

.aspx.vb

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

```
Imports System.Configuration
```

```
Partial Class Cart
```

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

```
Dim connStr As String = ConfigurationManager.ConnectionStrings("PVFC").ConnectionString
```

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

```
    If Not IsPostBack Then
```

```
        BindCart()
```

```
    End If
```

```
End Sub
```

```
Private Sub BindCart()
```

```
    Dim con As New SqlConnection(connStr)
```

```
    Dim query As String = "SELECT o.Order_Id, " &  
        "p.Product_Description, " &  
        "p.Product_Finish, " &  
        "p.Standard_Price, " &
```

```
"ol.Ordered_Quantity " &  
"FROM ORDER_t o " &  
"INNER JOIN Order_line_t ol ON o.Order_Id = ol.Order_Id " &  
"INNER JOIN PRODUCT_t p ON ol.Product_Id = p.Product_Id " &  
"WHERE o.Customer_Id = 1 " &  
"ORDER BY o.Order_Id"
```

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

```
con.Open()
```

```
Dim dr As SqlDataReader = cmd.ExecuteReader()
```

```
rptCart.DataSource = dr  
rptCart.DataBind()
```

```
con.Close()
```

```
End Sub
```

```
End Class
```