

Lab 06 Report

Demo.aspx:

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

```
<!DOCTYPE html>
```

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

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

```
  <title>Pine Valley Furniture - Home</title>
```

```
<style>
```

```
  .header {
```

```
    background: black;
```

```
    color: white;
```

```
    padding: 10px;
```

```
    text-align: center;
```

```
  }
```

```
  .header a {
```

```
    color: white;
```

```
    margin: 0 5px;
```

```
    text-decoration: none;
```

```
  }
```

```
  .main {
```

```
display: flex;
gap: 20px;
margin-top: 20px;
}
```

```
.ItemButtons {
display: flex;
gap: 10px;
justify-content: center;
}
```

```
.p1, .p2, .p3 {
background-color: lightgrey;
width: 250px;
padding: 15px;
text-align: center;
border-radius: 5px;
}
```

```
.btn-dark {
padding: 8px 15px;
background: black;
color: white;
text-decoration: none;
border-radius: 4px;
}
```

```
.btn-light {
    padding: 8px 15px;
    background: white;
    color: black;
    text-decoration: none;
    border-radius: 4px;
}
</style>
</head>

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

<!-- HEADER (Guest) -->
<div class="header">
    Pine Valley Furniture |
    <a href="Search.aspx">Search</a> |
    <a href="About.aspx">About</a> |
    <a href="Help.aspx">Help</a> |
    <a href="Registration.aspx">Register</a> |
    <a href="LogIn.aspx">Login</a>
</div>

<h2>Products</h2>
```

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

```
<div class="p1">
```

```

```

```
<p>Arm Chair</p>
```

```
<p>Product Description</p>
```

```
<div class="ItemButtons">
```

```
<a href="LogIn.aspx" class="btn-dark">Add to Cart</a>
```

```
<a href="LogIn.aspx" class="btn-light">Buy</a>
```

```
</div>
```

```
</div>
```

```
<div class="p2">
```

```

```

```
<p>Chair</p>
```

```
<p>Product Description...</p>
```

```
<div class="ItemButtons">
```

```
<a href="LogIn.aspx" class="btn-dark">Add to Cart</a>
```

```
<a href="LogIn.aspx" class="btn-light">Buy</a>
```

```
</div>
```

```
</div>
```

```
<div class="p3">
  
  <p>Sofa</p>
  <p>Product Description...</p>

  <div class="ItemButtons">
    <a href="LogIn.aspx" class="btn-dark">Add to Cart</a>
    <a href="LogIn.aspx" class="btn-light">Buy</a>
  </div>
</div>

</div>

</div>

</form>

</body>

</html>
```

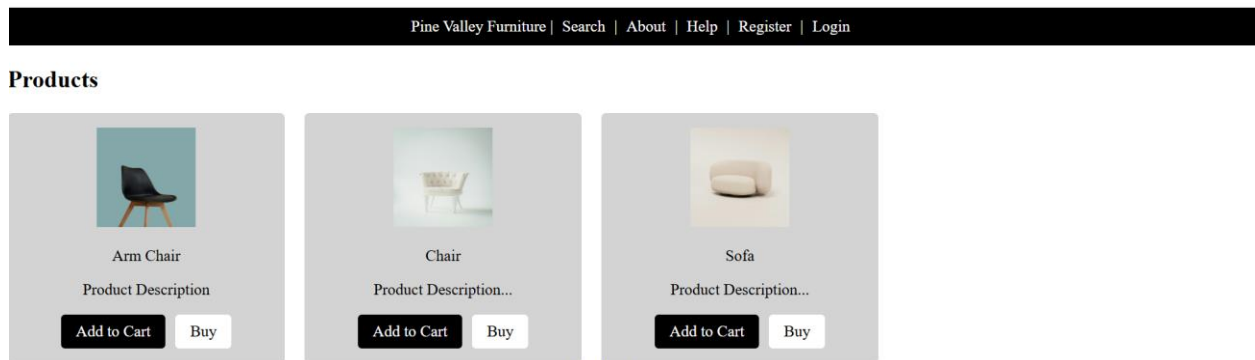
Demo.vb:

Partial Class demo

Inherits System.Web.UI.Page

End Class

Output:



AdminDashboard.aspx:

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

```
<!DOCTYPE html>
```

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

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

```
<title>Admin Dashboard</title>
```

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<h1>Welcome Back as Admin</h1>
```

```
<asp:Button id="LogOutButton" runat="server" Text="LogOut"
OnClick="LogOutButton_Click" style="padding:8px 15px; background:white; color:black;
margin-right=2px; text-decoration:none; border-radius:4px;" />
```

```
<h3>Management Panels</h3>
```

```
<div style="display:flex; gap:20px; margin-top:20px;">
```

```
<div style="background-color:lightgrey; padding:20px; width:200px; text-align:center;
text-decoration=none">
```

```
<h4>Catalogue</h4>
```

```
<p>Update catalogue.</p>
```

```
<a href="ProductCatalogueUpdate.aspx">ProductCatalogueUpdate</a>
```

```
</div>
```

```
<div style="background-color:lightgrey; padding:20px; width:200px; text-align:center;">
```

```
<h4>Campaigns</h4>
```

```
<p>Create and manage marketing campaigns.</p>
```

```
<a href="Campaign.aspx">Manage Campaigns</a>
```

```
</div>
```

```
<div style="background-color:lightgrey; padding:20px; width:200px; text-align:center;">
```

```
<h4>Insights</h4>
```

```
<p>View sales and business insights.</p>
```

```
<a href="Insight.aspx">View Insights</a>
```

```
</div>
```

```
</div>
```

```
<h2>Products</h2>
```

```
<div style="display:flex; gap:10px;">
```

```
<div class="p1">
```

```

```

```
<p>Arm Chair</p>
```

```
<p>Product Description</p>
```

```
<div>
```

```
</div>
```

```
</div>
```

```
<div class="p2">
```

```

```

```
<p>Chair</p>
```

```
<p>Product Description...</p>
```

```
</div>
```

```
<div class="p2">
```

```

```

```
<p>Sofa</p>
```

```
<p>Product Description...</p>
```

```
</div>
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

AdminDashboard.vb:

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

```
Partial Class AdminDashboard
```

```
    Inherits BasePage
```

```
    'We changed inherits to BasePage
```

```
    'For Our new Auth Implementation
```

```
    'Seperate Auth from Functionality
```

```
    Private Sub AdminDashboard_Load(sender As Object, e As EventArgs) Handles Me.Load
```

```
    CheckPermission("ViewAdminDashboard")
```

```
End Sub
```

```
Protected Sub LogOutButton_Click(sender As Object, e As EventArgs) Handles  
LogOutButton.Click
```

```
    Session.Abandon()
```

```
    Response.Redirect("LogIn.aspx")
```

```
End Sub
```

```
End Class
```

```
'Previous Code for auth check permissions
```

```
'Private Sub CheckPermission(permissionName As String)
```

```
'If Session("RoleId") Is Nothing Then
```

```
    ' Response.Redirect("LogIn.aspx")
```

```
    ' Exit Sub
```

```
    ' End If
```

```
    ' Dim conStr As String = "Data Source=FurnitureDB.mssql.somee.com;Initial  
Catalog=FurnitureDB;User
```

```
id=aftabmehdi514_SQLLogin_1;Password=2czuxl4oz4;TrustServerCertificate=True;"
```

```
    ' Dim conn As New SqlConnection(conStr)
```

```
' Dim cmd As New SqlCommand("SELECT 1 FROM RolePermission rp JOIN Permissions p
ON rp.PermissionId = p.PermissionId WHERE rp.RoleId = @RoleId AND p.PermissionName
= @PermissionName", conn)

' cmd.Parameters.AddWithValue("@RoleId", Session("RoleId"))
' cmd.Parameters.AddWithValue("@PermissionName", permissionName)

' Try
'     conn.Open()

'     Dim reader As SqlDataReader = cmd.ExecuteReader()

'     If Not reader.HasRows Then
'         reader.Close()
'         conn.Close()
'         Response.Redirect("Default.aspx")
'         Exit Sub
'     End If

'     reader.Close()

' Catch ex As Exception
'     Response.Write(ex.Message)

' Finally
'     conn.Close()
' End Try
```

'End Sub

Output:

Welcome Back as Admin

LogOut

Management Panels

Catalogue Update catalogue. ProductCatalogueUpdate	Campaigns Create and manage marketing campaigns. Manage Campaigns	Insights View sales and business insights. View Insights
---	--	---

Products



Arm Chair



Chair



Sofa

Product Description Product Description... Product Description...

Campaign.aspx:

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

```
<!DOCTYPE html>
```

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

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

```
<title></title>
```

```
</head>
```

```
<body>
```

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

```
  <div
```

```
    <h2>Run Marketing Campaign</h2>
```

```
<p>
```

```
  Budget:
```

```
  <button>-</button>
```

```
  1 $
```

```
  <button>+</button>
```

```
</p>
```

```
<p>
```

```
  Estimated Reach: 2000
```

```
</p>
```

```
<p>
```

```
  Select Segment:
```

```
  <select>
```

```
    <option>Premium</option>
```

```
    <option>Frequent</option>
```

```
    <option>Royal</option>
```

```
    <option>Economic</option>
```

```
    <option>All</option>
```

```
  </select>
```

```
</p>
```

<p>

Select State:

<select>

<option>All</option>

<option>State 1</option>

<option>State 2</option>

</select>

</p>

<p>

Select City:

<select>

<option>City 1</option>

<option>City 2</option>

</select>

</p>

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

Campaign.vb:

Partial Class Campaign

Inherits BasePage

Private Sub Campaign_Load(sender As Object, e As EventArgs) Handles Me.Load

 CheckPermission("ViewCampaign")

End Sub

End Class

Output:

Its just a demo to show the role based access control . There is nothing in this page by the way. This page is accessible only by admin.

Run Marketing Campaign

Budget: 1 \$

Estimated Reach: 2000

Select Segment: ▼

Select State: ▼

Select City: ▼

CustomerDashboard.aspx:

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

```
<!DOCTYPE html>
```

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

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

```
<title>Customer Dashboard</title>
```

```
<style>
```

```
.header {
```

```
background: black;
color: white;
padding: 10px;
text-align: center;
}
```

```
.header a {
  color: white;
}
```

```
.main {
  display: flex;
  gap: 20px;
  margin-top: 20px;
}
```

```
.p1, .p2, .p3 {
background-color: lightgrey;
width: 250px;
padding: 15px;
text-align: center;
border-radius: 5px;
}
```

```
.ItemButtons {
  display: flex;
  gap: 10px;
```

```
margin-left:40px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<div class="header">
```

```
Pine Valley Furniture |
```

```
<a href="Search.aspx">Search </a> |
```

```
<a href="About.aspx">About </a> |
```

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

```
<asp:Button id="LogOutButton" runat="server" Text="LogOut"
OnClick="LogOutButton_Click" />
```

```
</div>
```

```
<h2>Welcome Back!</h2>
```

```
<h2>Products</h2>
```

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

```
<div class="p1">
```

```
  
```

```
  <p>Arm Chair</p>
```

```
  <p>Product Description</p>
```

```
</div>
```

```
  <div class="ItemButtons">
```

```
    <a href="Order.aspx" style="padding:8px 15px; background:black; color:white; text-decoration:none; border-radius:4px;">
```

```
      Add to cart </a>
```

```
    <a href="Order.aspx" style="padding:8px 15px; background:white; color:black; margin-right=2px; text-decoration:none; border-radius:4px;">
```

```
      Buy </a>
```

```
    </div>
```

```
</div>
```

```
</div>
```

```
<div class="p2">
```

```
  
```

```
  <p>Chair</p>
```

```
  <p>Product Description...</p>
```

```
  <div class="ItemButtons">
```

```
<a href="Order.aspx" style="padding:8px 15px; background:black; color:white; text-decoration:none; border-radius:4px;">
```

```
    Add to cart </a>
```

```
<a href="Order.aspx" style="padding:8px 15px; background:white; color:black; margin-right=2px; text-decoration:none; border-radius:4px;">
```

```
    Buy </a>
```

```
</div>
```

```
</div>
```

```
<div class="p2">
```

```
    
```

```
    <p>Sofa</p>
```

```
    <p>Product Description...</p>
```

```
<div class="ItemButtons">
```

```
    <a href="Order.aspx" style="padding:8px 15px; background:black; color:white; text-decoration:none; border-radius:4px;">
```

```
        Add to cart </a>
```

```
    <a href="Order.aspx" style="padding:8px 15px; background:white; color:black; margin-right=2px; text-decoration:none; border-radius:4px;">
```

```
        Buy </a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

CustomerDashboard.vb:

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

```
Partial Class CustomerDashboard
```

```
    Inherits BasePage
```

Private Sub CustomerDashboard_Load(sender As Object, e As EventArgs) Handles Me.Load

 CheckPermission("ViewCustomerDashboard")

End Sub

Protected Sub LogOutButton_Click(sender As Object, e As EventArgs) Handles LogOutButton.Click

 Session.Abandon()

 Response.Redirect("LogIn.aspx")

End Sub




End Class

Output:

Pine Valley Furniture | [Search](#) | [About](#) | [Help](#) | [LogOut](#)

Welcome Back!

Products

 <p>Arm Chair Product Description Add to cart Buy</p>	 <p>Chair Product Description... Add to cart Buy</p>	 <p>Sofa Product Description... Add to cart Buy</p>
--	---	---

ProductCatalogUpdate.aspx:

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

```
<!DOCTYPE html>
```

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

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

```
  <title>Product Catalogue Update</title>
```

```
  <style>
```

```
    body {
```

```
      background-color: grey;
```

```
      font-family: Arial;
```

```
    }
```

```
    .container {
```

```
      width: 420px;
```

```
      margin: 60px 300px;
```

```
      background: white;
```

```
      padding: 50px;
```

```
      border-radius: 6px;
```

```
    }
```

```
    .btn {
```

```
      width: 100%;
```

```
      padding: 8px;
```

```
    }
    input {
        padding: 8px;
        width: 100%;
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">
            <h2>Product Catalogue Update</h2>
            Product ID:
            <asp:TextBox ID="txtProductID" runat="server"></asp:TextBox>

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

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

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

```
<asp:Button ID="updateButton" runat="server" Text="Update Product" class="btn"
OnClick="update_click" />
```

```
<br />
```

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

```
</div>
```

```
</form>
```

```
</form>
```

```
</body>
```

```
</html>
```

ProductCatalogUpdate.vb:

```
Imports System.Data
```

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

```
Partial Class ProductCatalogueUpdate
```

```
    Inherits BasePage
```

```
    Private Sub ProductCatalogueUpdate_Load(sender As Object, e As EventArgs) Handles
Me.Load
```

```
        CheckPermission("UpdateCatalogue")
```

```
    End Sub
```

```
    Protected Sub update_click(sender As Object, e As EventArgs) Handles
updateButton.Click
```

```
        ' Hosted DB connection String
```

```
Dim conStr As String = "workstation id=bahadurDB.mssql.somee.com;packet  
size=4096;user id=bahadurkhann40_SQLLogin_1;pwd=akwnj6jiaz;data  
source=bahadurDB.mssql.somee.com;persist security info=False;initial  
catalog=bahadurDB;TrustServerCertificate=True"
```

```
Dim conn As New SqlConnection
```

```
conn.ConnectionString = conStr
```

```
Dim cmd As SqlCommand = New SqlCommand
```

```
cmd.Connection = conn
```

```
If txtProductID.Text = "" Then
```

```
    Label1.Text = "Product ID is required"
```

```
    Return
```

```
End If
```

```
Try
```

```
    conn.Open()
```

```
    Dim query As String = "UPDATE Product_t SET "
```

```
    If txtDesc.Text <> "" Then
```

```
        query &= "Product_Description=" & txtDesc.Text & ";
```

```
    End If
```

```
    If txtFinish.Text <> "" Then
```

```
        query &= "Product_Finish=" & txtFinish.Text & ";
```

```
    End If
```

```
    If txtPrice.Text <> "" Then
```

```
If Not IsNumeric(txtPrice.Text) Then
```

```
    Label1.Text = "Enter numeric value only for price"
```

```
    Exit Sub
```

```
End If
```

```
    query &= "Standard_Price=" & Val(txtPrice.Text) & ";"
```

```
End If
```

```
query = query.TrimEnd(",")
```

```
If query = "UPDATE Product_t SET " Then
```

```
    Label1.Text = "Please enter at least one field to update"
```

```
    Exit Sub
```

```
End If
```

```
Dim checkCmd As New SqlCommand("SELECT COUNT(*) FROM Product_t WHERE  
Product_Id=" & txtProductID.Text, conn)
```

```
Dim exists As Integer = checkCmd.ExecuteScalar()
```

```
If exists = 0 Then
```

```
    Label1.Text = "Product ID does not exist"
```

```
    Exit Sub
```

```
End If
```

```
query &= " WHERE Product_Id=" & txtProductID.Text
```

```
cmd.CommandText = query
```

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

```
If updated >= 1 Then
```

```
    Label1.Text = "Product updated successfully"
```

```
Else
```

```
    Label1.Text = "Update failed"
```

```
End If
```

```
Catch ex As Exception
```

```
    Label1.Text = ex.Message
```

```
Finally
```

```
    conn.Close()
```

```
    cmd.Dispose()
```

```
End Try
```

```
End Sub
```

```
End Class
```

Output:

Product Catalogue Update

Product ID:

Description:

Finish:

Price:

Update Product

Registration.aspx:

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

```
<!DOCTYPE html>
```

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

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

```
<title>Registration Page</title>
```

```
<style>
```

```
body{  
    font-family: Arial;  
    background: grey;  
}
```

```
.container{  
    width:420px;  
    margin:60px 300px;  
    background:white;  
    padding:50px;  
    border-radius:6px;  
}
```

```
input, textarea{  
    width:100%;  
    padding:8px;  
    margin-top:4px;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

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

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

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

```
<asp:Label ID="lable1" runat="server" Text="Username" />
```

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

```
<asp:Label ID="pwdLabel" runat="server" Text="Password" />
```

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

```
<asp:Label ID="lblAddress" runat="server" Text="Address:" />
```

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

```
<asp:Label ID="lblCity" runat="server" Text="City:" />
```

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

```
<asp:Label ID="lblState" runat="server" Text="State:" />
```

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

```
<asp:Label ID="lblPostal" runat="server" Text="Postal Code:" />
```

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

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

```
<br /><br />  
<asp:Button ID="returnrLogIn" runat="server" Text="Go to Log IN Page"  
OnClick="returnrLogIn_Click" />  
<br /><br />  
<asp:Label ID="textLabel" runat="server" />  
  
</div>  
</form>  
</body>  
</html>
```

Registration.vb:

Imports System.Activities.Expressions

Imports System.Data.SqlClient

Partial Class Registration

Inherits System.Web.UI.Page

' Hosted DB connection String

```
Dim conStr As String = "workstation id=bahadurDB.mssql.somee.com;packet  
size=4096;user id=bahadurkhann40_SQLLogin_1;pwd=akwnj6jjiaz;data  
source=bahadurDB.mssql.somee.com;persist security info=False;initial  
catalog=bahadurDB;TrustServerCertificate=True"
```

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

```
If nameTB.Text = "" Or pwdTB.Text = "" Or addressTB.Text = "" Or cityTB.Text = "" Or  
stateTB.Text = "" Or postalTB.Text = "" Then
```

```
    lbl1.Text = "Username* (Mandatory Field)"
```

```
    pwdLabel.Text = "Password* (Mandatory Field)"
```

```
    lblAddress.Text = "Address* (Mandatory Field)"
```

```
    lblCity.Text = "City* (Mandatory Field)"
```

```
    lblState.Text = "State* (Mandatory Field)"
```

```
    lblPostal.Text = "Postal Code* (Mandatory Field)"
```

```
    textLabel.Text = "Please fill all fields."
```

```
    Return
```

```
Else
```

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

```
    Try
```

```
        conn.Open()
```

```
        Dim cmdUser As New SqlCommand("INSERT INTO Users (UserName, Password,  
RoleId) OUTPUT INSERTED.UserId VALUES (@uname, @pass, @role)", conn)
```

```
        If IsUsernameExists(nameTB.Text.Trim(), conn) Then
```

```
            textLabel.Text = "Username already exists!"
```

```
            Exit Sub
```

```
        End If
```

```
cmdUser.Parameters.AddWithValue("@uname", nameTB.Text)
```

```
cmdUser.Parameters.AddWithValue("@pass", pwdTB.Text)
```

```
cmdUser.Parameters.AddWithValue("@role", 2)
```

```
Dim userId As Integer = cmdUser.ExecuteScalar()
```

```
textLabel.Text = "User registered with UserId: " & userId.ToString() & " "
```

```
Dim cmdCustomer As New SqlCommand("INSERT INTO Customer_t  
(Customer_Name, Customer_Address, Customer_City, Customer_State, Postal_Code,  
UserId)VALUES (@name, @addr, @city, @state, @postal, @uid)", conn)
```

```
cmdCustomer.Parameters.AddWithValue("@name", nameTB.Text)
```

```
cmdCustomer.Parameters.AddWithValue("@addr", addressTB.Text)
```

```
cmdCustomer.Parameters.AddWithValue("@city", cityTB.Text)
```

```
cmdCustomer.Parameters.AddWithValue("@state", stateTB.Text)
```

```
cmdCustomer.Parameters.AddWithValue("@postal", postalTB.Text)
```

```
cmdCustomer.Parameters.AddWithValue("@uid", userId)
```

```
cmdCustomer.ExecuteNonQuery()
```

```
textLabel.Text &= " Successfully "
```

```
Response.Redirect("Login.aspx")
```

```
Catch ex As Exception
```

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

```
Finally
```

```
conn.Close()
```

End Try

End If

End Sub

Protected Sub returnLogin_Click(sender As Object, e As EventArgs) Handles
returnLogin.Click

Response.Redirect("Login.aspx")

End Sub

Private Function IsUsernameExists(username As String, conn As SqlConnection) As
Boolean

Dim cmd As New SqlCommand("SELECT COUNT(*) FROM Users WHERE UserName =
@uname", conn)

cmd.Parameters.AddWithValue("@uname", username)

returnLogin.Style.Add("background-color", "black")

returnLogin.Style.Add("color", "white")

Return cmd.ExecuteScalar() > 0

End Function

End Class

Output:

New Customer Registration

Username

Password

Address:

City:

State:

Postal Code:

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 Page</title>
```

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<h2>Product Details</h2>
```

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

```
Name: Product Name<br>
```

```
Description: Product description here<br>
```

```
Price: $25<br><br>
```

```
Order Quantity:
```

```
<input type="number" value="1" min="1"><br><br>
```

```
Delivery Charges: $5<br>
```

```
Final Order Price: $30<br><br>
```

```
<a href="Payment.html">
```

```
<button>Place Order</button>
```

```
</a>
```

<hr>

<h3>Order Details</h3>

Product Name:

Customer Name:

Customer Address:

Final Order Cost:

</div>

</form>

</body>

</html>

Order.vb:

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

```
Partial Class Order
```

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

```
    Inherits BasePage
```

```
    Private Sub Order_Load(sender As Object, e As EventArgs) Handles Me.Load
```

```
        CheckPermission("ViewOrder")
```

```
    End Sub
```

Output:

Product Details



Name: Product Name

Description: Product description here

Price: \$25

Order Quantity:

Delivery Charges: \$5

Final Order Price: \$30

Order Details

Product Name:

Customer Name:

Customer Address:

Final Order Cost:

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>Product Search</title>
```

```
<style>
  body {
    padding: 50px;
  }
  .container {
    padding: 20px;
    border-radius: 6px;
    width: 100%;
    background-color: lightgrey;
  }
  .h1 {
    text-align: center;
    font-size: 20px;
    margin-bottom: 15px;
  }

  .Products_Grid {
    display: flex;
    flex-wrap: wrap;
    justify-content: center;
    gap: 20px;
    margin-top: 20px;
  }
  .Product {
    background-color: lightgrey;
    width: 250px
```

```
padding: 15px;
text-align: center;
border-radius: 5px;
}
.ItemButtons {
display: flex;
justify-content: center;
gap: 10px;
margin-top: 10px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

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

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

```
<h1>Search Product</h1>
```

```
<asp:TextBox ID="txtSearch" runat="server" placeholder="Enter product
name"></asp:TextBox>
```

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

```
<asp:Label id="productLb" runat="server" />
```

```
<div id="ProductsGrid" runat="server" class="Products_Grid"></div>
```

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

Search.vb:

```
Imports System.Drawing
```

```
Imports System.Web.UI.WebControls
```

```
Imports System.Web.Query
```

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

```
Partial Class Search
```

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

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

```
        ProductsGrid.InnerHtml = ""
```

```
        Dim conStr As String
```

```
        conStr = "workstation id=bahadurDB.mssql.somee.com;packet size=4096;user
id=bahadurkhann40_SQLLogin_1;pwd=akwnj6jjiaz;data
source=bahadurDB.mssql.somee.com;persist security info=False;initial
catalog=bahadurDB;TrustServerCertificate=True"
```

```
Dim conn As New SqlConnection
```

```
conn.ConnectionString = conStr
```

```
Dim cmd As New SqlCommand
```

```
cmd.Connection = conn
```

```
Dim dr As SqlDataReader
```

```
Dim prod As String
```

```
prod = txtSearch.Text()
```

```
cmd.CommandText = "SELECT product_id,Product_Description FROM product_t  
WHERE Product_Description LIKE @search"
```

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

```
Try
```

```
conn.Open()
```

```
dr = cmd.ExecuteReader()
```

```
Dim flag As Boolean = True
```

```
If dr.HasRows Then
```

```
While dr.Read()
```

```
If flag Then
```

```
productLb.Text = "Product Found!<br>"
```

```
        flag = False
    End If

    Dim sb As New System.Text.StringBuilder()

    sb.Append("<div class='Product'>")
    sb.Append("<img src='Assets/p1.jpg' & "" height='100' width='100'/>")
    sb.Append("<p>" & "Product Name" & "</p>")
    sb.Append("<p>" & dr("Product_Description") & "</p>")

    sb.Append("<div class='ItemButtons'>")

    sb.Append("<a href='Order.aspx' style='padding:8px 15px; background:black;
color:white; text-decoration:none; border-radius:4px;'>Add to Cart</a>")

    sb.Append("<a href='Order.aspx' style='padding:8px 15px; background:white;
color:black; text-decoration:none; border-radius:4px;'>Buy</a>")

    sb.Append("</div>")

    sb.Append("</div>")

    ProductsGrid.InnerHtml &= sb.ToString()

End While
Else
    productLb.Text = "No product found!"
End If

Catch ex As Exception
```

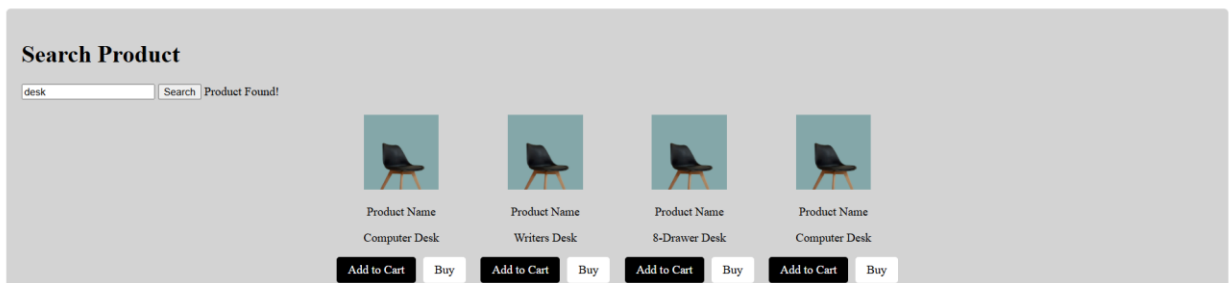
Response.Write(ex.Message)

End Try

End Sub

End Class

Output:



Description:

Demo Credentials

Admin:

Username = admin

Password = admin123

Access = Admin Dashboard + Insights

Employee:

Username = employee1

Password = emp123

Access = Product Catalogue Update Only

Customer:

Username = customer1

Password = cust123

Access = Order, Search, Product, Payment Pages