

Implementation IAD Lab 05

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Implemented two functionalities (Supplier Registration and Product Search)

SEARCH PRODUCT

SearchProduct.aspx

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

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Search Product</title>
    <style>
        body { font-family: Arial; margin: 20px; }
        .form-group { margin-bottom: 15px; }
        label { font-weight: bold; display: block; }
        table, th, td {
            border: 1px solid black; border-collapse: collapse;
        }
        th, td {
            padding: 8px;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <h2>Search Product</h2>
        <div class="form-group">
            <label>Enter Product Name (Partial):</label>
            <asp:TextBox ID="txtSearch"
runat="server"></asp:TextBox>
            <asp:Button ID="btnSearch" runat="server"
Text="Search" OnClick="btnSearch_Click" />
        </div>
```

```

        <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="True"
        EmptyDataText="No products found" CssClass="table"
        Width="100%" ShowFooter="True">
    </asp:GridView>

    <asp:Label ID="lblMessage" runat="server"
ForeColor="Red" Visible="False"></asp:Label>

    <div class="navigation">
        <asp:HyperLink ID="lnkBack" runat="server"
NavigateUrl="SupplierRegistration.aspx">Back to
Registration</asp:HyperLink>
    </div>
</form>
</body>
</html>

```

SeachProduct.aspx.vb

```

Imports System.Data
Imports System.Data.SqlClient

Partial Class SearchProduct
    Inherits System.Web.UI.Page

    Dim conStr As String = "Data Source=DESKTOP-9KBK3K0;
Initial Catalog=SupplyChain; Integrated Security=True"

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

        Dim searchText As String = txtSearch.Text.Trim()

        If Not String.IsNullOrEmpty(searchText) Then

            SearchAndBindData(searchText)
        End If
    End Sub

    Private Sub SearchAndBindData(ByVal searchText As String)
        Dim con As New SqlConnection(conStr)
        Try

```

```

        con.Open()

        Dim query As String = "SELECT * FROM
PRODUCT_T WHERE PRODUCT_NAME LIKE @ProductName"
        Dim cmd As New SqlCommand(query, con)
        cmd.Parameters.AddWithValue("@ProductName", "%" &
searchText & "%")
        Dim da As New SqlDataAdapter(cmd)
        Dim dt As New DataTable()
        da.Fill(dt)

        GridView1.DataSource = dt
        GridView1.DataBind()

    Catch ex As Exception

        lblMessage.Text = "Error! "
        lblMessage.ForeColor = System.Drawing.Color.Red
    Finally

        con.Close()
    End Try
End Sub
End Class

```

SUPPLIER REGISTRATION

SupplierRegistration.aspx

```

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

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Supplier Registration</title>
    <style>
        body { font-family: Arial; margin: 20px; }
        .form-group { margin-bottom: 15px; }
        label { font-weight: bold; display: block; }
        .navigation { margin-top: 20px; }
    </style>

```

```
        </style>
</head>
<body>
    <form id="form1" runat="server">
        <h2>Supplier Registration</h2>

        <div class="form-group">
            <label>Supplier ID:</label>
            <asp:TextBox ID="txtSupplierId"
runat="server"></asp:TextBox>
        </div>

        <div class="form-group">
            <label>First Name:</label>
            <asp:TextBox ID="txtFirstName"
runat="server"></asp:TextBox>
        </div>

        <div class="form-group">
            <label>Last Name:</label>
            <asp:TextBox ID="txtLastName"
runat="server"></asp:TextBox>
        </div>

        <div class="form-group">
            <label>Email:</label>
            <asp:TextBox ID="txtEmail"
runat="server"></asp:TextBox>
        </div>

        <div class="form-group">
            <label>City:</label>
            <asp:TextBox ID="txtCity"
runat="server"></asp:TextBox>
        </div>

        <div class="form-group">
            <label>State:</label>
            <asp:TextBox ID="txtState"
runat="server"></asp:TextBox>
        </div>

        <div class="form-group">
            <label>Postal Code:</label>
            <asp:TextBox ID="txtPostalCode"
runat="server"></asp:TextBox>
    </form>
</body>
</html>
```

```

        </div>

        <div class="form-group">
            <label>Street Address:</label>
            <asp:TextBox ID="txtStreetAddress"
runat="server"></asp:TextBox>
        </div>

        <div class="form-group">
            <label>Contact Number:</label>
            <asp:TextBox ID="txtContact"
runat="server"></asp:TextBox>
        </div>

        <asp:Button ID="btnRegister" runat="server"
Text="Register" OnClick="btnRegister_Click" />
        <asp:Label ID="lblMessage" runat="server"
ForeColor="Green"></asp:Label>

        <div class="navigation">
            <asp:HyperLink ID="lnkSearch" runat="server"
NavigateUrl="SearchProduct.aspx">Go to Product
Search</asp:HyperLink>
        </div>
    </form>
</body>
</html>

```

SupplierRegistration.aspx.vb

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

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

```

    Protected Sub btnRegister_Click(ByVal sender As Object,
ByVal e As EventArgs)
        Dim conStr As String = "Data Source=DESKTOP-9KBK3K0;
Initial Catalog=SupplyChain; Integrated Security=True"
        Dim con As New SqlConnection(conStr)
    End Sub

```

```

    Dim supplierId As Integer =
Convert.ToInt32(txtSupplierId.Text)
    Dim firstName As String = txtFirstName.Text
    Dim lastName As String = txtLastName.Text
    Dim email As String = txtEmail.Text
    Dim city As String = txtCity.Text
    Dim state As String = txtState.Text
    Dim postalCode As String = txtPostalCode.Text
    Dim streetAddress As String = txtStreetAddress.Text
    Dim contactNumber As String = txtContact.Text

    Try
        con.Open()

        Dim cmdSupplier As New SqlCommand("INSERT INTO
SUPPLIER_T (SUPPLIER_ID, SUPPLIER_FIRST_NAME, SUPPLIER_LAST_NAME,
SUPPLIER_EMAIL, SUPPLIER_CITY, SUPPLIER_STATE,
SUPPLIER_POSTAL_CODE, SUPPLIER_STREET_ADDRESS) VALUES (@ID,
@First, @Last, @Email, @City, @State, @Postal, @Street)", con)
        cmdSupplier.Parameters.AddWithValue("@ID",
supplierId)
        cmdSupplier.Parameters.AddWithValue("@First",
firstName)
        cmdSupplier.Parameters.AddWithValue("@Last",
lastName)
        cmdSupplier.Parameters.AddWithValue("@Email", email)
        cmdSupplier.Parameters.AddWithValue("@City", city)
        cmdSupplier.Parameters.AddWithValue("@State", state)
        cmdSupplier.Parameters.AddWithValue("@Postal",
postalCode)
        cmdSupplier.Parameters.AddWithValue("@Street",
streetAddress)
        cmdSupplier.ExecuteNonQuery()

        Dim cmdContact As New SqlCommand("INSERT INTO
SUPPLIER_CONTACT (SUPPLIER_ID, CONTACT_NUMBER) VALUES (@ID,
@Contact)", con)
        cmdContact.Parameters.AddWithValue("@ID", supplierId)
        cmdContact.Parameters.AddWithValue("@Contact",
contactNumber)
        cmdContact.ExecuteNonQuery()

        lblMessage.ForeColor = System.Drawing.Color.Green
        lblMessage.Text = "Supplier registered
successfully!"

```

```
        Catch ex As Exception
            lblMessage.ForeColor = System.Drawing.Color.Red
            lblMessage.Text = "Error! "
        Finally
            con.Close()
        End Try
    End Sub
End Class
```
