Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs"
Inherits="IADLAB05._default" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>My WEBSITE</title>
        <style>
         .linkStyle {
                display: inline-block;
                margin: 10px 0;
        }
    </style>
</head>
<body>

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

        <asp:HyperLink ID="lnkTask1Problem" runat="server"
            NavigateUrl="task_05_problem_statement.txt"
            CssClass="linkStyle">
            Task_01 Problem Statement
        </asp:HyperLink>
        <br />

        <asp:HyperLink ID="lnkTask1Report" runat="server"
            NavigateUrl="task_05_Code_Implementation_report.pdf"
            CssClass="linkStyle">
            Task_01 Code Implementation Report
        </asp:HyperLink>
        <br />

        <asp:HyperLink ID="lnkTask1Output" runat="server"
            NavigateUrl="task_05_sample_output.pdf"
            CssClass="linkStyle">
            Task_01 Sample Output
        </asp:HyperLink>
        <br />

        <asp:HyperLink ID="lnkTask1Demo" runat="server"
            NavigateUrl="~/index.aspx"
            CssClass="linkStyle">
            Task_01 Demonstration Page
        </asp:HyperLink>
        <br />



    </form>

</body>
</html>
```

Default.aspx.cs

```
using System;
```

```
namespace IADLAB05
{
    public partial class _default : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }
    }
}
```

index.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Index.aspx.cs"
Inherits="WebApp.Index" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title>PVFC Management System</title>

<style>
.linkStyle{
display:block;
margin:10px;
font-size:18px;
}
</style>

</head>

<body>

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

<h2>PVFC Project</h2>

<asp:HyperLink ID="lnkCustomer" runat="server"
NavigateUrl="CustomerRegistration.aspx"
CssClass="linkStyle">
Customer Registration
</asp:HyperLink>

<asp:HyperLink ID="lnkProduct" runat="server"
NavigateUrl="ProductUpdate.aspx"
CssClass="linkStyle">
Product Catalog Update
</asp:HyperLink>

</form>

</body>
</html>
```

index.aspx.cs

```
using System;
using System.Web.UI;

namespace WebApp
{
    public partial class Index : Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            // This code runs when the page loads

        }
    }
}
```

Customer Registration.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="CustomerRegistration.aspx.cs"
Inherits="PVFC.CustomerRegistration" %>

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Customer Registration</title>
</head>
<body>
<form id="form1" runat="server">
    <h2>New Customer Registration</h2>

    Customer ID:<br />
    <asp:TextBox ID="txtId" runat="server" /><br /><br />

    Customer Name:<br />
    <asp:TextBox ID="txtName" runat="server" /><br /><br />

    Address:<br />
    <asp:TextBox ID="txtAddress" runat="server" /><br /><br />

    State:<br />
    <asp:TextBox ID="txtState" runat="server" /><br /><br />

    City:<br />
    <asp:DropDownList ID="ddlCity" runat="server" AutoPostBack="true"
        OnSelectedIndexChanged="ddlCity_SelectedIndexChanged">
        <asp:ListItem Text="Lahore" Value="54000" />
        <asp:ListItem Text="Karachi" Value="74000" />
        <asp:ListItem Text="Islamabad" Value="44000" />
        <asp:ListItem Text="Rawalpindi" Value="46000" />
    </asp:DropDownList><br /><br />

    Postal Code:<br />
    <asp:TextBox ID="txtPostal" runat="server" ReadOnly="true" /><br /><br />

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

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

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

Customer_Registration.aspx.cs

```csharp
using System;
using System.Configuration;
using System.Data.SqlClient;


namespace PVFC
{
    public partial class CustomerRegistration : System.Web.UI.Page
    {
        // Connection string to your SQL Server database
        string connStr =
ConfigurationManager.ConnectionStrings["PVFCConnectionString"].ConnectionString;

        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                ddlCity.Items.Insert(0, new System.Web.UI.WebControls.ListItem("Select
City", ""));
            }
        }

        // Auto-fill postal code from city dropdown
        protected void ddlCity_SelectedIndexChanged(object sender, EventArgs e)
        {
            txtPostal.Text = ddlCity.SelectedValue; // Postal code value from dropdown
        }

        protected void btnRegister_Click(object sender, EventArgs e)
        {
            try
            {
                using (SqlConnection con = new SqlConnection(connStr))
                {
                    string query = @"INSERT INTO CUSTOMER_t
                                    (Customer_Id, Customer_Name, Customer_Address,
Customer_City, Customer_State, Postal_Code)
                                    VALUES
                                    (@Id, @Name, @Address, @City, @State, @Postal)";

                    using (SqlCommand cmd = new SqlCommand(query, con))
                    {
                        cmd.Parameters.AddWithValue("@Id", txtId.Text);
                        cmd.Parameters.AddWithValue("@Name", txtName.Text);
                        cmd.Parameters.AddWithValue("@Address", txtAddress.Text);
                        cmd.Parameters.AddWithValue("@City", ddlCity.SelectedItem.Text);
                        cmd.Parameters.AddWithValue("@State", txtState.Text);
                        cmd.Parameters.AddWithValue("@Postal", txtPostal.Text);

                        con.Open();
                        int rows = cmd.ExecuteNonQuery();

                        lblMsg.Text = rows > 0 ? "Customer Registered Successfully!" :
"Registration Failed!";
                    }
```

```
                }
            }
            catch (Exception ex)
            {
                lblMsg.Text = "Error: " + ex.Message;
            }
        }
    }
}
```

Product_Update.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ProductUpdate.aspx.cs"
Inherits="PVFC.ProductUpdate" %>

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Product Catalog Update</title>
</head>
<body>
<form id="form1" runat="server">
    <h2>Product Catalog Update</h2>

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

    Product Line:<br />
    <asp:DropDownList ID="ddlProductLine" runat="server">
        <asp:ListItem Text="Select Line" Value="" />
        <asp:ListItem Text="Cherry Tree" Value="1" />
        <asp:ListItem Text="Scandinavia" Value="2" />
        <asp:ListItem Text="Country Look" Value="3" />
    </asp:DropDownList><br /><br />

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

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

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

    <asp:Button ID="btnUpdate" runat="server"
        Text="Update Product"
        OnClick="btnUpdate_Click" />

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

Product_Update.aspx.cs

```
using System;
```

```csharp
using System.Configuration;
using System.Data.SqlClient;

namespace PVFC
{
    public partial class ProductUpdate : System.Web.UI.Page
    {
        string connStr =
ConfigurationManager.ConnectionStrings["PVFCConnectionString"].ConnectionString;

        protected void btnUpdate_Click(object sender, EventArgs e)
        {
            try
            {
                using (SqlConnection con = new SqlConnection(connStr))
                {
                    string query = @"UPDATE PRODUCT_t
                                    SET Product_Line_Id = @LineId,
                                        Product_Description = @Desc,
                                        Product_Finish = @Finish,
                                        Standard_Price = @Price
                                    WHERE Product_Id = @Pid";

                    using (SqlCommand cmd = new SqlCommand(query, con))
                    {
                        cmd.Parameters.AddWithValue("@Pid", txtProductId.Text);
                        cmd.Parameters.AddWithValue("@LineId",
ddlProductLine.SelectedValue);
                        cmd.Parameters.AddWithValue("@Desc", txtDescription.Text);
                        cmd.Parameters.AddWithValue("@Finish", txtFinish.Text);
                        cmd.Parameters.AddWithValue("@Price", txtPrice.Text);

                        con.Open();
                        int rows = cmd.ExecuteNonQuery();

                        lblMsg.Text = rows > 0 ? "Product Updated Successfully!" :
"Product ID Not Found!";
                    }
                }
            }
            catch (Exception ex)
            {
                lblMsg.Text = "Error: " + ex.Message;
            }
        }
    }
}
```