

INTERNET APPLICATION DEVELOPMENT

LAB 05

PROBLEM STATEMENT:

Refer to Lab 4, Problem 3. You are required to implement a web form for **New Customer Registration** for Pine Valley Furniture Company.

Who will be the user of this web form? (Develop in Visual Studio)

Write the code for the registration handler below.

Refer to Lab 4, Problem 3. You are required to implement a web form for **updating customer data by customers**.

(Develop in Visual Studio)

Refer to Lab 4, Problem 3. You are required to implement a web form for **Product Catalog Update**.

(Develop in Visual Studio)

Write the code for the update handler below.

```
using System;
using System.Data.SqlClient;

namespace LAB5
{
    public partial class register : System.Web.UI.Page
    {
        protected void btnRegister_Click(object sender, EventArgs e)
        {
            string constr = "Data Source=localhost\\SQLEXPRESS;Initial
Catalog=Pine_Valley;Integrated Security=True";

            SqlConnection con = new SqlConnection(constr);
            SqlCommand cmd = new SqlCommand();
            cmd.Connection = con;

            cmd.CommandText = "INSERT INTO CUSTOMER_t ";
            cmd.CommandText += "(Customer_Id, Customer_Name, Customer_Address,
Customer_City, Customer_State, Postal_Code) ";
            cmd.CommandText += "VALUES (@id, @name, @address, @city, @state,
@postal)";

            cmd.Parameters.AddWithValue("@id", txtId.Text);
            cmd.Parameters.AddWithValue("@name", txtName.Text);
            cmd.Parameters.AddWithValue("@address", txtAddress.Text);
            cmd.Parameters.AddWithValue("@city", txtCity.Text);
            cmd.Parameters.AddWithValue("@state", txtState.Text);
            cmd.Parameters.AddWithValue("@postal", txtPostal.Text);

            try
            {
                con.Open();
                cmd.ExecuteNonQuery();
            }
        }
    }
}
```

```

        lblMessage.ForeColor = System.Drawing.Color.Green;
        lblMessage.Text = "Customer Registered Successfully!";
    }
    catch (Exception ex)
    {
        lblMessage.ForeColor = System.Drawing.Color.Red;
        lblMessage.Text = ex.Message;
    }
    finally
    {
        con.Close();
        cmd.Dispose();
    }
}

protected void btnUpdate_Click(object sender, EventArgs e)
{
    string constr = "Data Source=localhost\\SQLEXPRESS;Initial
Catalog=Pine_Valley;Integrated Security=True";

    SqlConnection con = new SqlConnection(constr);
    SqlCommand cmd = new SqlCommand();
    cmd.Connection = con;

    cmd.CommandText = "UPDATE CUSTOMER_t SET Customer_Name = @name,
Customer_Address = @address, Customer_City = @city, Customer_State = @state,
Postal_Code = @postal WHERE Customer_Id = @id";

    cmd.Parameters.AddWithValue("@id", txtId.Text);
    cmd.Parameters.AddWithValue("@name", txtName.Text);
    cmd.Parameters.AddWithValue("@address", txtAddress.Text);
    cmd.Parameters.AddWithValue("@city", txtCity.Text);
    cmd.Parameters.AddWithValue("@state", txtState.Text);
    cmd.Parameters.AddWithValue("@postal", txtPostal.Text);

    try
    {
        con.Open();

        int rows = cmd.ExecuteNonQuery();

        if (rows > 0)
        {
            lblMessage.ForeColor = System.Drawing.Color.Green;
            lblMessage.Text = "Customer Updated Successfully!";
        }
        else
        {
            lblMessage.ForeColor = System.Drawing.Color.Red;
            lblMessage.Text = "Customer ID not found!";
        }
    }
    catch (Exception ex)
    {
        lblMessage.ForeColor = System.Drawing.Color.Red;
        lblMessage.Text = ex.Message;
    }
    finally
    {
        con.Close();
        cmd.Dispose();
    }
}

```

```
}  
}
```

Customer Registration / Update

Use Register for a new customer. Use Update to change details of an existing customer ID.

Customer ID

Customer Name

Customer Address

City

State

Postal Code

[Back to Home](#)

```
}
```

```
using System;  
using System.Data.SqlClient;  
  
namespace LAB5  
{  
    public partial class productcatalog : System.Web.UI.Page  
    {  
        protected void btnUpdate_Click(object sender, EventArgs e)  
        {  
            string constr = "Data Source=localhost\\SQLEXPRESS;Initial  
Catalog=Pine_Valley;IntegratedSecurity=True";  
  
            SqlConnection con = new SqlConnection(constr);  
            SqlCommand cmd = new SqlCommand();  
            cmd.CommandText = constr;  
            cmd.Connection = con;  
  
            cmd.CommandText = "UPDATE PRODUCT_t SET Product_Description = @name,  
Standard_Price = @price WHERE Product_Id = @id";  
  
            cmd.Parameters.AddWithValue("@id", txtProductID.Text);  
            cmd.Parameters.AddWithValue("@name", txtNewName.Text);  
            cmd.Parameters.AddWithValue("@price", txtNewPrice.Text);  
  
            try  
            {  
                con.Open();
```

```
int rows = cmd.ExecuteNonQuery();

if (rows > 0)
{
    lblMessage.ForeColor = System.Drawing.Color.Green;
    lblMessage.Text = "Product updated!";
}
else
{
    lblMessage.ForeColor = System.Drawing.Color.Red;
    lblMessage.Text = "Product ID not found!";
}
}
catch (Exception ex)
{
    lblMessage.ForeColor = System.Drawing.Color.Red;
    lblMessage.Text = ex.Message;
}
finally
{
    con.Close();
}
}
}
```

The screenshot shows a web form titled "Update Product Catalog" with a dark red header. The form is contained within a light purple border and includes three input fields: "Product ID", "New Product Name", and "New Price". Below the input fields is a dark red "Update" button and a "Back to Home" link.