

INTERNET APPLICATION DEVELOPMENT

LAB 04

PROBLEM STATEMENT

Problem 3) Refer to Lab 1, in which paper prototyping and HTML interfaces were developed for Pine Valley Furniture Company. The next task is to convert plain HTML into web forms in order to realize a web application. The application should incorporate the following functionalities: i) New Customer Registration, ii) Searching of Products, iii) Products Selection and Order Placement, iv) Product Catalog Update, v) Payment Provision (Develop in Visual Studio and host it on your site)

Problem 4) Implement the search mechanism (functionality) for searching products (furniture products) through the above-mentioned Page (ii) as listed in Problem 3. When the page visitor enters a search string in an input control, e.g., a text box, and clicks a search button, all relevant products must be displayed to the page visitor. Write the button click handler below. Make it available online.



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

namespace LAB5
{
    public partial class searchproduct : System.Web.UI.Page
    {
        protected void btnSearch_Click(object sender, EventArgs e)
        {
            lblResult.Text = "";

            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 = "SELECT Product_Description, Standard_Price FROM
PRODUCT_t " +
                "WHERE Product_Description LIKE '%' + @name + '%'";

cmd.Parameters.AddWithValue("@name", txtSearch.Text);

try
{
    con.Open();
    SqlDataReader dr = cmd.ExecuteReader();

    while (dr.Read())
    {
        lblResult.Text += dr["Product_Description"].ToString()
            + " - $" + dr["Standard_Price"].ToString()
            + "<br>";
    }

    if (lblResult.Text == "")
    {
        lblResult.Text = "No product found!";
    }
}
catch (Exception ex)
{
    lblResult.Text = ex.Message;
}
finally
{
    con.Close();
    cmd.Dispose();
}
}
}
}

```

Search Products

Enter Product Name

Computer Desk - \$375.00
Writers Desk - \$325.00
8-Drawer Desk - \$750.00
Computer Desk - \$250.00

