# ASP .NET实验报告02

## **实验一:(可以直接访问**[**http://bingqiangzhou.cn:8080/Exp0201/**](http://bingqiangzhou.cn:8080/Exp0201/) **查看效果)**

### （1）实验内容

设计一个查询网页，要求从下拉菜单控件中提供查询条件，比如“海鲜”、“水果”、“饮料”等，用GridView控件显示在商品详情表中查询的结果。要求在查询结果中显示商品图片（利用图片路径字段实现）。

### （2）程序源码

#### （2.1）Default.aspx.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class Default : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

DropDownList1.DataSource = SqlDataSource1;

DropDownList1.DataTextField = "TypeName"; //text为需要字段名

DropDownList1.DataValueField = "TypeName"; //value为字段名

DropDownList1.DataBind();

DropDownList1.Items.Insert(0, "--select--");

DropDownList1.SelectedIndex = 0;

}

DataSet dataset = GetData(DropDownList1.Text.ToString());

GridView1.DataSource = dataset;

GridView1.DataBind();

}

private String connectionString

= System.Web.Configuration.WebConfigurationManager.ConnectionStrings["TestRemoteConnectionString"].ConnectionString;

private string sql = "Select \* from details " +

"join dbo.Type on Type.TypeID = Details.TypeID " +

"where Type.TypeName = @type";

/// <summary>

///

/// </summary>

/// <returns></returns>

public DataSet GetData(string type)

{

SqlConnection sqlConnection = new SqlConnection(connectionString);

sqlConnection.Open();

SqlDataAdapter sqlDataAdapter = new SqlDataAdapter(sql, sqlConnection);

SqlParameter sqlParameter = new SqlParameter("@type", type);

sqlDataAdapter.SelectCommand.Parameters.Add(sqlParameter);

DataSet dataSet = new DataSet();

sqlDataAdapter.Fill(dataSet);

sqlDataAdapter.Dispose();

sqlConnection.Close();

return dataSet;

}

}

}

#### （2.2）Default.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication1.Default"%>

<!DOCTYPE html>

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

<head runat="server">

<title>Exp0201</title>

<style>

body{margin:auto;margin-top:100px;max-width:1000px;text-align:center;}

</style>

</head>

<body>

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

<div style="text-align: center;" >

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString %>" SelectCommand="SELECT [TypeName] FROM [Type]"></asp:SqlDataSource>

<label for="DropDownList1">Type</label>

<asp:DropDownList ID="DropDownList1" AutoPostBack="True" runat="server">

<asp:ListItem Text="TypeName"></asp:ListItem>

</asp:DropDownList>

</div>

<div style="margin-top:20px;">

<%--<label for="GridView1">List</label>--%>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" HorizontalAlign="Center" Width="600px" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:BoundField AccessibleHeaderText="Name" DataField="Name" HeaderText="Name" />

<asp:BoundField DataField="Number" HeaderText="Number" />

<asp:BoundField DataField="Price" HeaderText="Price" />

<asp:ImageField DataImageUrlField="ImgPath" HeaderText="Picture" DataImageUrlFormatString="http://bingqiangzhou.cn:8080/{0}">

</asp:ImageField>

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle BackColor="#D1DDF1" Font-Bold="True" ForeColor="#333333" />

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

</div>

</form>

</body>

</html>

### （3）效果截图

图1、第一个小实验截图效果

## **实验二:(可以直接访问**[**http://bingqiangzhou.cn:8080/Exp0202/**](http://bingqiangzhou.cn:8080/Exp0202/) **查看效果)**

### （1）实验内容

对商品详情表实现组合查询，各查询条件之间包括“与”和“或”关系。

### （2）实验源码

#### （2.1）Default.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication1.Default"%>

<!DOCTYPE html>

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

<head runat="server">

<title>Exp0202</title>

<style>

body{margin:auto;margin-top:100px;max-width:1000px;text-align:center;}

</style>

<script src="JS/jquery-3.3.1.min.js" type="text/javascript"></script>

</head>

<body>

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

<div style="text-align: left;">

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString2 %>" SelectCommand="SELECT \* FROM [Type]"></asp:SqlDataSource>

<%--<label for="DropDownList1">Type</label>

<asp:DropDownList ID="DropDownList1" AutoPostBack="True" runat="server">

<asp:ListItem Text="TypeName"></asp:ListItem>

</asp:DropDownList>--%>

<label for="CheckBoxList1">Type</label>

<asp:CheckBoxList ID="CheckBoxList1" runat="server" OnSelectedIndexChanged="CheckBoxList1\_SelectedIndexChanged"

CellPadding="10" DataSourceID="SqlDataSource1" DataTextField="TypeName" DataValueField="TypeName" RepeatDirection="Horizontal">

</asp:CheckBoxList>

<asp:TextBox ID="TypeVaule" Visible="false" runat="server"></asp:TextBox>

<label for="TextBox1">Price<br />

</label>

<asp:TextBox ID="TextBox1" TextMode="Number" MaxLength="8" runat="server"></asp:TextBox>

<label >-</label>

<asp:TextBox ID="TextBox2" TextMode="Number" MaxLength="8" runat="server"></asp:TextBox>

<asp:Button ID="Button1" runat="server" Text="Search"/>

<br />

<asp:RangeValidator ID="RangeValidator1" runat="server" ErrorMessage="Low price is illegal." ControlToValidate="TextBox1" ForeColor="Red" MaximumValue="99999999" MinimumValue="0"></asp:RangeValidator>

<asp:RangeValidator ID="RangeValidator2" runat="server" ErrorMessage="High price is illegal." ControlToValidate="TextBox2" ForeColor="Red" MaximumValue="99999999" MinimumValue="0"></asp:RangeValidator>

</div>

<div style="margin-top:20px;">

<%--<label for="GridView1">List</label>--%>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" Width="600px" DataKeyNames="ID" DataSourceID="SqlDataSource2" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:BoundField DataField="ID" HeaderText="ID" ReadOnly="True" SortExpression="ID" />

<asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name" />

<asp:BoundField DataField="TypeID" HeaderText="TypeID" SortExpression="TypeID" />

<asp:BoundField DataField="Number" HeaderText="Number" SortExpression="Number" />

<asp:BoundField DataField="Price" HeaderText="Price" SortExpression="Price" />

<asp:ImageField DataAlternateTextField="ImgPath" DataImageUrlField="ImgPath" DataImageUrlFormatString="http://bingqiangzhou.cn:8080/{0}" HeaderText="Picture">

</asp:ImageField>

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle BackColor="#D1DDF1" Font-Bold="True" ForeColor="#333333" />

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString2 %>" SelectCommand="SELECT \* FROM [Details] WHERE (([Price] &lt;= @Price) AND ([Price] &gt;= @Price2) AND (CONTAINS([Name], @Name)))">

<SelectParameters>

<asp:ControlParameter ControlID="TextBox2" Name="Price" PropertyName="Text" Type="Double" DefaultValue="99999999" />

<asp:ControlParameter ControlID="TextBox1" Name="Price2" PropertyName="Text" Type="Double" DefaultValue="0" />

<asp:ControlParameter ControlID="TypeVaule" Name="Name" PropertyName="Text" Type="String" DefaultValue="" />

</SelectParameters>

</asp:SqlDataSource>

</div>

</form>

</body>

</html>

#### （2.2）Default.aspx.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class Default : System.Web.UI.Page

{

protected void CheckBoxList1\_SelectedIndexChanged(object sender, EventArgs e)

{

string Type = "";

foreach(ListItem listItem in CheckBoxList1.Items)

{

if(listItem.Selected == true)

{

Type += listItem.Value + " OR ";

}

}

if(Type != "")

{

Type = Type.Substring(0, Type.Length - 4);

}else

{

TypeVaule.Text= " ";

}

TypeVaule.Text = Type;

}

}

}

### （3）效果截图

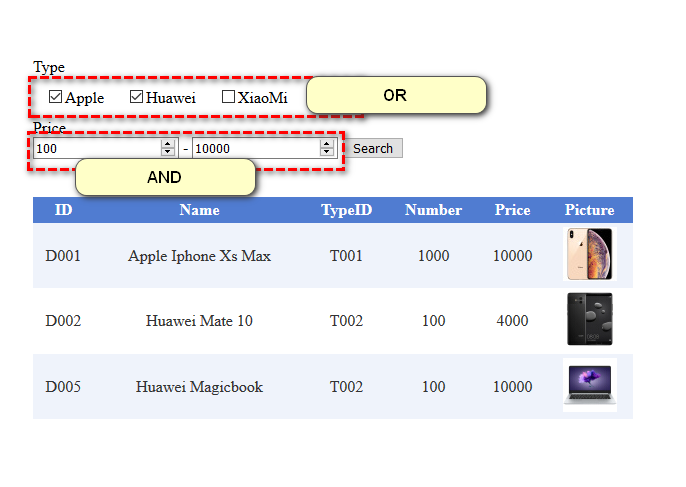


图2、第一个小实验截图效果

## **实验三:(可以直接访问**[**http://bingqiangzhou.cn:8080/Exp0203/**](http://bingqiangzhou.cn:8080/Exp0203/) **查看效果)**

### （1）实验内容

将“商品分类表”作为父表，“商品详情表”作为子表，实现父子表同步。

### （2）实验源码

#### （2.1）Default.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication1.Default"%>

<!DOCTYPE html>

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

<head runat="server">

<title>Exp0203</title>

<style>

body{margin:auto;margin-top:100px;max-width:1000px;text-align:center;}

a{color:gray;}

</style>

</head>

<body>

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

<div style="text-align: center;" >

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString2 %>" SelectCommand="SELECT [TypeName], [TypeID] FROM [Type]"></asp:SqlDataSource>

<label for="GridView2">Type</label>

<asp:GridView ID="GridView2" runat="server" DataSourceID="SqlDataSource1"

HorizontalAlign="Center" AutoGenerateColumns="False" AutoGenerateSelectButton="True" OnSelectedIndexChanged="GridView2\_SelectedIndexChanged" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:BoundField DataField="TypeID" HeaderText="TypeID" SortExpression="TypeID" />

<asp:BoundField DataField="TypeName" HeaderText="TypeName" SortExpression="TypeName" />

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle Font-Bold="True" BackColor="#D1DDF1" ForeColor="#333333"/>

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

</div>

<div style="margin-top:20px;">

<%--<label for="GridView1">List</label>--%>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" HorizontalAlign="Center" Width="600px" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:BoundField AccessibleHeaderText="Name" DataField="Name" HeaderText="Name" />

<asp:BoundField DataField="Number" HeaderText="Number" />

<asp:BoundField DataField="Price" HeaderText="Price" />

<asp:ImageField DataImageUrlField="ImgPath" HeaderText="Picture" DataImageUrlFormatString="http://bingqiangzhou.cn:8080/{0}">

</asp:ImageField>

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle BackColor="#D1DDF1" Font-Bold="True" ForeColor="#333333" />

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

</div>

</form>

</body>

</html>

#### （2.2）Default.aspx.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class Default : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

GridView2.SelectRow(0);

}

int index = GridView2.SelectedIndex;

System.Diagnostics.Debug.WriteLine(GridView2.Rows[index].Cells[1].Text.ToString());

DataSet dataset = GetData(GridView2.Rows[index].Cells[1].Text.ToString());

GridView1.DataSource = dataset;

GridView1.DataBind();

}

private String connectionString

= System.Web.Configuration.WebConfigurationManager.ConnectionStrings["TestRemoteConnectionString2"].ConnectionString;

private string sql = "Select \* from details " +

"join dbo.Type on Type.TypeID = Details.TypeID " +

"where Type.TypeID = @type";

/// <summary>

///

/// </summary>

/// <returns></returns>

public DataSet GetData(string type)

{

SqlConnection sqlConnection = new SqlConnection(connectionString);

sqlConnection.Open();

SqlDataAdapter sqlDataAdapter = new SqlDataAdapter(sql, sqlConnection);

SqlParameter sqlParameter = new SqlParameter("@type", type);

sqlDataAdapter.SelectCommand.Parameters.Add(sqlParameter);

DataSet dataSet = new DataSet();

sqlDataAdapter.Fill(dataSet);

sqlDataAdapter.Dispose();

sqlConnection.Close();

return dataSet;

}

protected void GridView2\_SelectedIndexChanged(object sender, EventArgs e)

{

int index = GridView2.SelectedIndex;

DataSet dataset = GetData(GridView2.Rows[index].Cells[1].Text.ToString());

GridView1.DataSource = dataset;

GridView1.DataBind();

}

}

}

### （3）效果截图

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图3、第三个小实验效果截图

## **实验四:(可以直接访问**[**http://bingqiangzhou.cn:8080/Exp0204/**](http://bingqiangzhou.cn:8080/Exp0204/) **查看效果)**

### （1）实验内容

用GridView控件显示父表，DetailsView控件显示子表的同步程序，同时能够在DetailsView控件中对数据表进行编辑（包括增、删、改等编辑功能）。

### （2）实验源码

#### （2.1）Default.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication1.Default"%>

<!DOCTYPE html>

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

<head runat="server">

<title>Exp0204</title>

<style>

body{margin:auto;margin-top:100px;max-width:1000px;text-align:center;}

a{color:gray;}

</style>

</head>

<body>

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

<div style="text-align: center;" >

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString %>" SelectCommand="SELECT \* FROM [Type]"></asp:SqlDataSource>

<label for="GridView2">Type</label>

<asp:GridView ID="GridView2" runat="server" DataSourceID="SqlDataSource1"

HorizontalAlign="Center" AutoGenerateColumns="False" AutoGenerateSelectButton="True" OnSelectedIndexChanged="GridView2\_SelectedIndexChanged" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:BoundField DataField="TypeID" HeaderText="TypeID" SortExpression="TypeID" />

<asp:BoundField DataField="TypeName" HeaderText="TypeName" SortExpression="TypeName" />

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle Font-Bold="True" BackColor="#D1DDF1" ForeColor="#333333"/>

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

</div>

<div style="margin-top:20px;">

<%--<label for="GridView1">List</label>--%>

<asp:GridView ID="GridView1" runat="server" DataKeyNames="Name" AutoGenerateColumns="False" HorizontalAlign="Center" Width="600px" AutoGenerateSelectButton="True" OnSelectedIndexChanged="GridView1\_SelectedIndexChanged" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:BoundField AccessibleHeaderText="Name" DataField="Name" HeaderText="Name" />

<asp:BoundField DataField="Number" HeaderText="Number" />

<asp:BoundField DataField="Price" HeaderText="Price" />

<asp:ImageField DataImageUrlField="ImgPath" HeaderText="Picture" DataImageUrlFormatString="http://bingqiangzhou.cn:8080/{0}">

</asp:ImageField>

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle Font-Bold="True" BackColor="#D1DDF1" ForeColor="#333333"/>

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

</div>

<div style="margin-top:20px;">

<asp:DetailsView ID="DetailsView1" runat="server"

OnModeChanging="DetailsView1\_ModeChanging"

OnItemInserted="DetailsView1\_ItemInserted"

OnItemUpdated="DetailsView1\_ItemUpdated"

AutoGenerateRows="False" HorizontalAlign="Center" Width="400px"

AutoGenerateDeleteButton="True" AutoGenerateEditButton="True" AutoGenerateInsertButton="True" DataKeyNames="ID" DataSourceID="SqlDataSource3" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<CommandRowStyle BackColor="#D1DDF1" Font-Bold="True" />

<EditRowStyle BackColor="#2461BF" />

<FieldHeaderStyle BackColor="#DEE8F5" Font-Bold="True" />

<Fields>

<asp:BoundField DataField="ID" HeaderText="ID" ReadOnly="True" SortExpression="ID" />

<asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name" />

<%-- <asp:BoundField DataField="TypeID" HeaderText="TypeID" SortExpression="TypeID" />--%>

<asp:TemplateField HeaderText="TypeID" SortExpression="TypeID">

<EditItemTemplate>

<asp:DropDownList ID="DropDownList1" runat="server"

DataSourceID="SqlDataSource1" DataTextField="TypeID"

DataValueField="TypeID" Width="150" SelectedValue='<%# Bind("TypeID")%>'>

</asp:DropDownList>

</EditItemTemplate>

<InsertItemTemplate>

<asp:DropDownList ID="DropDownList1" runat="server"

DataSourceID="SqlDataSource1" DataTextField="TypeID"

DataValueField="TypeID" Width="150" SelectedValue='<%# Bind("TypeID")%>'>

</asp:DropDownList>

</InsertItemTemplate>

<ItemTemplate>

<asp:Label ID="Label1" runat="server" Text='<%# Bind("TypeID") %>'></asp:Label>

</ItemTemplate>

</asp:TemplateField>

<asp:BoundField DataField="Number" HeaderText="Number" SortExpression="Number" />

<asp:BoundField DataField="Price" HeaderText="Price" SortExpression="Price" />

<asp:BoundField DataField="ImgPath" HeaderText="ImgPath" SortExpression="ImgPath" />

</Fields>

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

</asp:DetailsView>

<asp:SqlDataSource ID="SqlDataSource3" runat="server" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString3 %>" DeleteCommand="DELETE FROM [Details] WHERE [ID] = @ID" InsertCommand="INSERT INTO [Details] ([ID], [Name], [TypeID], [Number], [Price], [ImgPath]) VALUES (@ID, @Name, @TypeID, @Number, @Price, @ImgPath)" SelectCommand="SELECT \* FROM [Details] WHERE ([Name] = @Name)" UpdateCommand="UPDATE [Details] SET [Name] = @Name, [TypeID] = @TypeID, [Number] = @Number, [Price] = @Price, [ImgPath] = @ImgPath WHERE [ID] = @ID">

<DeleteParameters>

<asp:Parameter Name="ID" Type="String" />

</DeleteParameters>

<InsertParameters>

<asp:Parameter Name="ID" Type="String" />

<asp:Parameter Name="Name" Type="String" />

<asp:Parameter Name="TypeID" Type="String" />

<asp:Parameter Name="Number" Type="Int32" />

<asp:Parameter Name="Price" Type="Double" />

<asp:Parameter Name="ImgPath" Type="String" />

</InsertParameters>

<SelectParameters>

<asp:ControlParameter ControlID="GridView1" Name="Name" PropertyName="SelectedValue" Type="String" />

</SelectParameters>

<UpdateParameters>

<asp:Parameter Name="Name" Type="String" />

<asp:Parameter Name="TypeID" Type="String" />

<asp:Parameter Name="Number" Type="Int32" />

<asp:Parameter Name="Price" Type="Double" />

<asp:Parameter Name="ImgPath" Type="String" />

<asp:Parameter Name="ID" Type="String" />

</UpdateParameters>

</asp:SqlDataSource>

</div>

</form>

</body>

</html>

#### （2.2）Default.aspx.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class Default : System.Web.UI.Page

{

private String connectionString

= System.Web.Configuration.WebConfigurationManager.ConnectionStrings["TestRemoteConnectionString"].ConnectionString;

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

GridView2.SelectRow(0);

}

int index = GridView2.SelectedIndex;

//System.Diagnostics.Debug.WriteLine(GridView2.Rows[index].Cells[1].Text.ToString());

DataSet dataset = GetData(GridView2.Rows[index].Cells[1].Text.ToString());

GridView1.DataSource = dataset;

GridView1.DataBind();

}

/// <summary>

///

/// </summary>

/// <returns></returns>

public DataSet GetData(string type)

{

string sql = "Select \* from details " +

"join dbo.Type on Type.TypeID = Details.TypeID " +

"where Type.TypeID = @Type";

SqlConnection sqlConnection = new SqlConnection(connectionString);

sqlConnection.Open();

SqlDataAdapter sqlDataAdapter = new SqlDataAdapter(sql, sqlConnection);

SqlParameter sqlParameter = new SqlParameter("@Type", type);

sqlDataAdapter.SelectCommand.Parameters.Add(sqlParameter);

DataSet dataSet = new DataSet();

sqlDataAdapter.Fill(dataSet);

////多表多行多列的情况

//foreach (DataTable dt in dataSet.Tables) //遍历所有的datatable

//{

// foreach (DataRow dr in dt.Rows) ///遍历所有的行

// foreach (DataColumn dc in dt.Columns) //遍历所有的列

// System.Diagnostics.Debug.WriteLine("{0}, {1}, {2}", dt.TableName, dc.ColumnName, dr[dc]); //表名,列名,单元格数据

//}

sqlDataAdapter.Dispose();

sqlConnection.Close();

return dataSet;

}

public DataSet GetDetailData(string name)

{

string sql = "Select \* from details " +

"where Name = @name";

SqlConnection sqlConnection = new SqlConnection(connectionString);

sqlConnection.Open();

SqlDataAdapter sqlDataAdapter = new SqlDataAdapter(sql, sqlConnection);

SqlParameter sqlParameter = new SqlParameter("@name", name);

sqlDataAdapter.SelectCommand.Parameters.Add(sqlParameter);

DataSet dataSet = new DataSet();

sqlDataAdapter.Fill(dataSet);

////多表多行多列的情况

//foreach (DataTable dt in dataSet.Tables) //遍历所有的datatable

//{

// foreach (DataRow dr in dt.Rows) ///遍历所有的行

// foreach (DataColumn dc in dt.Columns) //遍历所有的列

// System.Diagnostics.Debug.WriteLine("{0}, {1}, {2}", dt.TableName, dc.ColumnName, dr[dc]); //表名,列名,单元格数据

//}

sqlDataAdapter.Dispose();

sqlConnection.Close();

return dataSet;

}

protected void GridView2\_SelectedIndexChanged(object sender, EventArgs e)

{

int index = GridView2.SelectedIndex;

DataSet dataset = GetData(GridView2.Rows[index].Cells[1].Text.ToString());

GridView1.DataSource = dataset;

GridView1.DataBind();

}

protected void GridView1\_SelectedIndexChanged(object sender, EventArgs e)

{

int index = GridView1.SelectedIndex;

DataSet dataset = GetDetailData(GridView1.Rows[index].Cells[1].Text.Trim());

// System.Diagnostics.Debug.WriteLine(GridView1.Rows[index].Cells[1].Text.ToString());

//DetailsView1.DataSource = dataset;

//DetailsView1.DataBind();

}

protected void DetailsView1\_ModeChanging(object sender, DetailsViewModeEventArgs e)

{

//判断模式

if (e.NewMode == DetailsViewMode.Insert)

{

DetailsView1.ChangeMode(DetailsViewMode.Insert);

}

else if (e.NewMode == DetailsViewMode.Edit)

{

DetailsView1.ChangeMode(DetailsViewMode.Edit);

}

else if (e.Cancel)

{

if (DetailsView1.CurrentMode == DetailsViewMode.Insert)

{

DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

}

//取消编辑模式

else if (DetailsView1.CurrentMode == DetailsViewMode.Edit)

{

DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

}

}

else if (e.CancelingEdit)

{

if (DetailsView1.CurrentMode == DetailsViewMode.Insert)

{

DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

}

//取消编辑模式

else if (DetailsView1.CurrentMode == DetailsViewMode.Edit)

{

DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

}

}

}

protected void DetailsView1\_ItemInserted(object sender, DetailsViewInsertedEventArgs e)

{

Page\_Load(sender,e);

}

protected void DetailsView1\_ItemUpdated(object sender, DetailsViewUpdatedEventArgs e)

{

Page\_Load(sender, e);

}

}

}

### （3）效果截图



图4、第四个小实验效果截图

## **实验五:(可以直接访问**[**http://bingqiangzhou.cn:8080/Exp0205/**](http://bingqiangzhou.cn:8080/Exp0205/) **查看效果)**

### （1）实验内容

使用GridView显示商品详情表，并能对其中的信息进行增加、删除和修改记录的操作。

### （2）实验源码

#### （2.1）Default.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication1.Default"%>

<!DOCTYPE html>

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

<head runat="server">

<title>Exp0205</title>

<style>

body{margin:auto;margin-top:100px;max-width:1000px;text-align:center;}

/\*a{color:gray;}\*/

</style>

</head>

<body>

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

<div style="margin-top:20px;">

<Label for="GridView1">INFO LIST</Label>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataKeyNames="ID" DataSourceID="SqlDataSource1" HorizontalAlign="Center" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:CommandField ShowDeleteButton="True" ShowEditButton="True" />

<asp:BoundField DataField="ID" HeaderText="ID" ReadOnly="True" SortExpression="ID" />

<asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name" />

<asp:BoundField DataField="TypeID" HeaderText="TypeID" SortExpression="TypeID" />

<asp:BoundField DataField="Number" HeaderText="Number" SortExpression="Number" />

<asp:BoundField DataField="Price" HeaderText="Price" SortExpression="Price" />

<asp:BoundField DataField="ImgPath" HeaderText="ImgPath" SortExpression="ImgPath" />

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle BackColor="#D1DDF1" Font-Bold="True" ForeColor="#333333" />

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConflictDetection="CompareAllValues" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString %>" DeleteCommand="DELETE FROM [Details] WHERE [ID] = @original\_ID AND (([Name] = @original\_Name) OR ([Name] IS NULL AND @original\_Name IS NULL)) AND (([TypeID] = @original\_TypeID) OR ([TypeID] IS NULL AND @original\_TypeID IS NULL)) AND (([Number] = @original\_Number) OR ([Number] IS NULL AND @original\_Number IS NULL)) AND (([Price] = @original\_Price) OR ([Price] IS NULL AND @original\_Price IS NULL)) AND (([ImgPath] = @original\_ImgPath) OR ([ImgPath] IS NULL AND @original\_ImgPath IS NULL))" InsertCommand="INSERT INTO [Details] ([ID], [Name], [TypeID], [Number], [Price], [ImgPath]) VALUES (@ID, @Name, @TypeID, @Number, @Price, @ImgPath)" OldValuesParameterFormatString="original\_{0}" SelectCommand="SELECT \* FROM [Details]" UpdateCommand="UPDATE [Details] SET [Name] = @Name, [TypeID] = @TypeID, [Number] = @Number, [Price] = @Price, [ImgPath] = @ImgPath WHERE [ID] = @original\_ID AND (([Name] = @original\_Name) OR ([Name] IS NULL AND @original\_Name IS NULL)) AND (([TypeID] = @original\_TypeID) OR ([TypeID] IS NULL AND @original\_TypeID IS NULL)) AND (([Number] = @original\_Number) OR ([Number] IS NULL AND @original\_Number IS NULL)) AND (([Price] = @original\_Price) OR ([Price] IS NULL AND @original\_Price IS NULL)) AND (([ImgPath] = @original\_ImgPath) OR ([ImgPath] IS NULL AND @original\_ImgPath IS NULL))">

<DeleteParameters>

<asp:Parameter Name="original\_ID" Type="String" />

<asp:Parameter Name="original\_Name" Type="String" />

<asp:Parameter Name="original\_TypeID" Type="String" />

<asp:Parameter Name="original\_Number" Type="Int32" />

<asp:Parameter Name="original\_Price" Type="Double" />

<asp:Parameter Name="original\_ImgPath" Type="String" />

</DeleteParameters>

<InsertParameters>

<asp:Parameter Name="ID" Type="String" />

<asp:Parameter Name="Name" Type="String" />

<asp:Parameter Name="TypeID" Type="String" />

<asp:Parameter Name="Number" Type="Int32" />

<asp:Parameter Name="Price" Type="Double" />

<asp:Parameter Name="ImgPath" Type="String" />

</InsertParameters>

<UpdateParameters>

<asp:Parameter Name="Name" Type="String" />

<asp:Parameter Name="TypeID" Type="String" />

<asp:Parameter Name="Number" Type="Int32" />

<asp:Parameter Name="Price" Type="Double" />

<asp:Parameter Name="ImgPath" Type="String" />

<asp:Parameter Name="original\_ID" Type="String" />

<asp:Parameter Name="original\_Name" Type="String" />

<asp:Parameter Name="original\_TypeID" Type="String" />

<asp:Parameter Name="original\_Number" Type="Int32" />

<asp:Parameter Name="original\_Price" Type="Double" />

<asp:Parameter Name="original\_ImgPath" Type="String" />

</UpdateParameters>

</asp:SqlDataSource>

</div>

<div style="margin-top:20px;">

<Label for="DetailsView1">DETAILS</Label>

<asp:LinkButton ID="ButtonNewItem" OnClick="ButtonNewItem\_Click" runat="server">New</asp:LinkButton>

<asp:DetailsView ID="DetailsView1" runat="server" OnModeChanging="DetailsView1\_ModeChanging"

AutoGenerateRows="False" DataKeyNames="ID" Height="50px" HorizontalAlign="Center" Width="125px" DataSourceID="SqlDataSource1" Visible="False" CellPadding="4" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<CommandRowStyle BackColor="#D1DDF1" Font-Bold="True" />

<EditRowStyle BackColor="#2461BF" />

<FieldHeaderStyle BackColor="#DEE8F5" Font-Bold="True" />

<Fields>

<asp:BoundField DataField="ID" HeaderText="ID" ReadOnly="True" SortExpression="ID" />

<asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name" />

<asp:BoundField DataField="TypeID" HeaderText="TypeID" SortExpression="TypeID" />

<asp:BoundField DataField="Number" HeaderText="Number" SortExpression="Number" />

<asp:BoundField DataField="Price" HeaderText="Price" SortExpression="Price" />

<asp:BoundField DataField="ImgPath" HeaderText="ImgPath" SortExpression="ImgPath" />

<asp:CommandField ShowInsertButton="True" />

</Fields>

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

</asp:DetailsView>

</div>

</form>

</body>

</html>

#### （2.2）Default.aspx.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class Default : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

//DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

DetailsView1.Visible = false;

}

protected void ButtonNewItem\_Click(object sender, EventArgs e)

{

DetailsView1.Visible = true;

DetailsView1.ChangeMode(DetailsViewMode.Insert);

}

protected void DetailsView1\_ModeChanging(object sender, DetailsViewModeEventArgs e)

{

//判断模式

if (e.NewMode == DetailsViewMode.Insert)

{

DetailsView1.ChangeMode(DetailsViewMode.Insert);

}

else if (e.NewMode == DetailsViewMode.Edit)

{

DetailsView1.ChangeMode(DetailsViewMode.Edit);

}

else if (e.Cancel)

{

if (DetailsView1.CurrentMode == DetailsViewMode.Insert)

{

DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

DetailsView1.Visible = false;

}

//取消编辑模式

else if (DetailsView1.CurrentMode == DetailsViewMode.Edit)

{

DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

DetailsView1.Visible = false;

}

}

else if (e.CancelingEdit)

{

if (DetailsView1.CurrentMode == DetailsViewMode.Insert)

{

DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

DetailsView1.Visible = false;

}

//取消编辑模式

else if (DetailsView1.CurrentMode == DetailsViewMode.Edit)

{

DetailsView1.ChangeMode(DetailsViewMode.ReadOnly);

DetailsView1.Visible = false;

}

}

}

}

}

### （3）效果截图

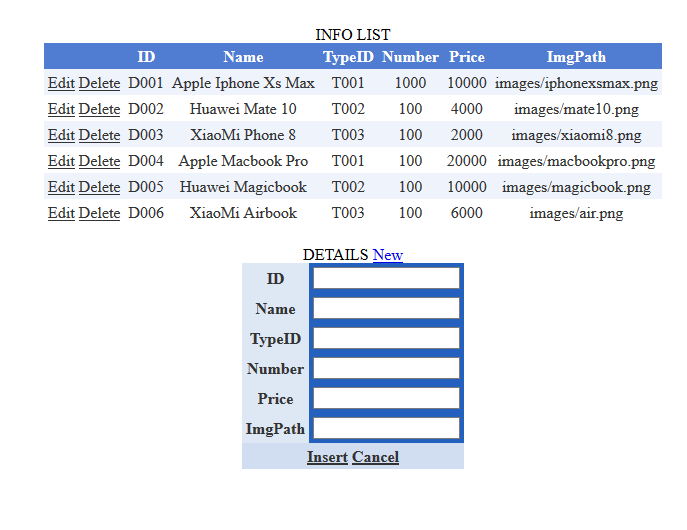


图5、第五个小实验效果截图

## **实验六:(可以直接访问**[**http://bingqiangzhou.cn:8080/Exp0206/**](http://bingqiangzhou.cn:8080/Exp0206/) **查看效果)**

### （1）实验内容

使用GridView控件来显示“商品详情表”，并通过列模板对输入或修改数据进行合法性验证。

### （2）实验源码

#### （2.1）Default.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication1.Default"%>

<!DOCTYPE html>

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

<head runat="server">

<title>Exp0206</title>

<style>

body{margin:auto;margin-top:100px;max-width:1000px;text-align:center;}

/\*a{color:gray;}\*/

</style>

<script src="JS/jquery-3.3.1.min.js" type="text/javascript"></script>

<script src="JS/script.js" type="text/javascript"></script>

</head>

<body>

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

<div style="margin-top:20px;">

<Label for="GridView1">INFO LIST

<asp:LinkButton ID="LinkButtonNewItem" OnClick="LinkButtonNewItem\_Click" runat="server">New</asp:LinkButton>

<asp:GridView ID="GridView1" runat="server" CellPadding="4"

OnRowUpdating="GridView1\_RowUpdating"

AutoGenerateColumns="false" AutoGenerateEditButton="true" ShowFooter="false"

DataKeyNames="ID" DataSourceID="SqlDataSource1" ForeColor="#333333" GridLines="None" HorizontalAlign="Center" AutoGenerateDeleteButton="True">

<AlternatingRowStyle BackColor="White"/>

<Columns>

<asp:TemplateField SortExpression="ID" HeaderText="ID">

<ItemTemplate>

<asp:Label runat="server" ID="LabelID" Text='<%# Bind("ID")%>'></asp:Label>

</ItemTemplate>

<FooterTemplate>

<asp:Label runat="server" ID="LabelID" Text='<%# "D"+DateTime.Now.ToFileTimeUtc().ToString()%>'></asp:Label>

</FooterTemplate>

</asp:TemplateField>

<asp:TemplateField SortExpression="Name" HeaderText="Name">

<ItemTemplate>

<asp:Label runat="server" ID="LabelName" Text='<%# Bind("Name")%>'></asp:Label>

</ItemTemplate>

<EditItemTemplate>

<asp:TextBox ID="TextBoxName" runat="server" Text='<%# Bind("Name")%>'></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" Display="None" ControlToValidate="TextBoxName"

ErrorMessage="Name can't be empty."></asp:RequiredFieldValidator>

</EditItemTemplate>

<FooterTemplate>

<asp:TextBox ID="TextBoxName" runat="server" Text="Name"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" Display="None" ControlToValidate="TextBoxName"

ErrorMessage="Name can't be empty."></asp:RequiredFieldValidator>

</FooterTemplate>

</asp:TemplateField>

<asp:TemplateField SortExpression="TypeID" HeaderText="TypeID">

<ItemTemplate>

<asp:Label runat="server" ID="LabelTypeID" Text='<%# Bind("TypeID")%>'></asp:Label>

</ItemTemplate>

<EditItemTemplate>

<asp:DropDownList ID="DropDownList1" DataSourceID="SqlDataSource2" DataTextField="TypeID" DataValueField="TypeID" runat="server"></asp:DropDownList>

</EditItemTemplate>

<FooterTemplate>

<asp:DropDownList ID="DropDownList1" DataSourceID="SqlDataSource2" DataTextField="TypeID" DataValueField="TypeID" runat="server"></asp:DropDownList>

</FooterTemplate>

</asp:TemplateField>

<asp:TemplateField SortExpression="Number" HeaderText="Number">

<ItemTemplate>

<asp:Label runat="server" ID="LabelNumber" Text='<%# Bind("Number")%>'></asp:Label>

</ItemTemplate>

<EditItemTemplate>

<asp:TextBox ID="TextBoxNumber" runat="server" TextMode="Number" Text='<%# Bind("Number")%>'></asp:TextBox>

<asp:RangeValidator ID="RangeValidator1" ForeColor="Red" ControlToValidate="TextBoxNumber"

runat="server" MinimumValue="0" Type="Integer" Display="None" MaximumValue="99999999"

ErrorMessage="Number is illegal.(0-9999999)"></asp:RangeValidator>

</EditItemTemplate>

<FooterTemplate>

<asp:TextBox ID="TextBoxNumber" runat="server" TextMode="Number" Text='100'></asp:TextBox>

<asp:RangeValidator ID="RangeValidator1" ForeColor="Red" ControlToValidate="TextBoxNumber"

runat="server" MinimumValue="0" Type="Integer" Display="None" MaximumValue="99999999"

ErrorMessage="Number is illegal.(0-9999999)"></asp:RangeValidator>

</FooterTemplate>

</asp:TemplateField>

<asp:TemplateField SortExpression="Price" HeaderText="Price">

<ItemTemplate>

<asp:Label runat="server" ID="LabelPrice" Text='<%# Bind("Price")%>'></asp:Label>

</ItemTemplate>

<EditItemTemplate>

<asp:TextBox ID="TextBoxPrice" runat="server" TextMode="Number" Text='<%# Bind("Price")%>'></asp:TextBox>

<asp:RangeValidator ID="RangeValidator2" Type="Integer" Display="None" ForeColor="Red"

ControlToValidate="TextBoxPrice" runat="server" MinimumValue="0" MaximumValue="99999999"

ErrorMessage="Price is illegal.(0-9999999)"></asp:RangeValidator>

</EditItemTemplate>

<FooterTemplate>

<asp:TextBox ID="TextBoxPrice" runat="server" TextMode="Number" Text='1000'></asp:TextBox>

<asp:RangeValidator ID="RangeValidator2" Type="Integer" Display="None" ForeColor="Red"

ControlToValidate="TextBoxPrice" runat="server" MinimumValue="0" MaximumValue="99999999"

ErrorMessage="Price is illegal.(0-9999999)"></asp:RangeValidator>

</FooterTemplate>

</asp:TemplateField>

<asp:TemplateField SortExpression="ImgPath" HeaderText="ImgPath">

<ItemTemplate>

<asp:FileUpload ID="FileUpload1" runat="server" Visible="false"/>

<asp:Label runat="server" ID="LabelImgPath" Text='<%# Bind("ImgPath")%>'></asp:Label>

</ItemTemplate>

<EditItemTemplate>

<asp:Label ID="LabelImgPath" runat="server" Text='<%# Bind("ImgPath")%>' Visible="true"></asp:Label>

<asp:FileUpload ID="FileUpload1" runat="server" />

</EditItemTemplate>

<FooterTemplate>

<%--<asp:Label ID="LabelImgPath" runat="server" Text='<%# Bind("ImgPath")%>' Visible="true"></asp:Label>--%>

<asp:FileUpload ID="FileUpload1" runat="server" />

<asp:LinkButton ID="LinkButtonConfirm" OnClick="LinkButtonConfirm\_Click" ForeColor="White" runat="server">Confirm</asp:LinkButton>

<asp:LinkButton ID="LinkButtonCancel" OnClick="LinkButtonCancel\_Click" ForeColor="White" runat="server">Cancel</asp:LinkButton>

</FooterTemplate>

</asp:TemplateField>

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle BackColor="#D1DDF1" Font-Bold="True" ForeColor="#333333" />

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString %>" SelectCommand="SELECT [TypeID] FROM [Type]"></asp:SqlDataSource>

<asp:ValidationSummary ForeColor="Red" runat="server"></asp:ValidationSummary>

</Label>

&nbsp;<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConflictDetection="CompareAllValues" ConnectionString="<%$ ConnectionStrings:TestRemoteConnectionString %>" DeleteCommand="DELETE FROM [Details] WHERE [ID] = @original\_ID AND (([Name] = @original\_Name) OR ([Name] IS NULL AND @original\_Name IS NULL)) AND (([TypeID] = @original\_TypeID) OR ([TypeID] IS NULL AND @original\_TypeID IS NULL)) AND (([Number] = @original\_Number) OR ([Number] IS NULL AND @original\_Number IS NULL)) AND (([Price] = @original\_Price) OR ([Price] IS NULL AND @original\_Price IS NULL)) AND (([ImgPath] = @original\_ImgPath) OR ([ImgPath] IS NULL AND @original\_ImgPath IS NULL))" InsertCommand="INSERT INTO [Details] ([ID], [Name], [TypeID], [Number], [Price], [ImgPath]) VALUES (@ID, @Name, @TypeID, @Number, @Price, @ImgPath)" OldValuesParameterFormatString="original\_{0}" SelectCommand="SELECT \* FROM [Details]" UpdateCommand="UPDATE [Details] SET [Name] = @Name, [TypeID] = @TypeID, [Number] = @Number, [Price] = @Price, [ImgPath] = @ImgPath WHERE [ID] = @original\_ID AND (([Name] = @original\_Name) OR ([Name] IS NULL AND @original\_Name IS NULL)) AND (([TypeID] = @original\_TypeID) OR ([TypeID] IS NULL AND @original\_TypeID IS NULL)) AND (([Number] = @original\_Number) OR ([Number] IS NULL AND @original\_Number IS NULL)) AND (([Price] = @original\_Price) OR ([Price] IS NULL AND @original\_Price IS NULL)) AND (([ImgPath] = @original\_ImgPath) OR ([ImgPath] IS NULL AND @original\_ImgPath IS NULL))">

<DeleteParameters>

<asp:Parameter Name="original\_ID" Type="String" />

<asp:Parameter Name="original\_Name" Type="String" />

<asp:Parameter Name="original\_TypeID" Type="String" />

<asp:Parameter Name="original\_Number" Type="Int32" />

<asp:Parameter Name="original\_Price" Type="Double" />

<asp:Parameter Name="original\_ImgPath" Type="String" />

</DeleteParameters>

<InsertParameters>

<asp:Parameter Name="ID" Type="String" />

<asp:Parameter Name="Name" Type="String" />

<asp:Parameter Name="TypeID" Type="String" />

<asp:Parameter Name="Number" Type="Int32" />

<asp:Parameter Name="Price" Type="Double" />

<asp:Parameter Name="ImgPath" Type="String" />

</InsertParameters>

<UpdateParameters>

<asp:Parameter Name="Name" Type="String" />

<asp:Parameter Name="TypeID" Type="String" />

<asp:Parameter Name="Number" Type="Int32" />

<asp:Parameter Name="Price" Type="Double" />

<asp:Parameter Name="ImgPath" Type="String" />

<asp:Parameter Name="original\_ID" Type="String" />

<asp:Parameter Name="original\_Name" Type="String" />

<asp:Parameter Name="original\_TypeID" Type="String" />

<asp:Parameter Name="original\_Number" Type="Int32" />

<asp:Parameter Name="original\_Price" Type="Double" />

<asp:Parameter Name="original\_ImgPath" Type="String" />

</UpdateParameters>

</asp:SqlDataSource>

</div>

</form>

</body>

</html>

#### （2.2）Default.aspx.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.IO;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class Default : System.Web.UI.Page

{

private string connectionstring

= System.Web.Configuration.WebConfigurationManager.ConnectionStrings["TestRemoteConnectionString"].ConnectionString;

private string filePath = @"D:/ASP .NET/Exp02/images/";

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void LinkButtonNewItem\_Click(object sender, EventArgs e)

{

GridView1.ShowFooter = true;

}

protected void LinkButtonConfirm\_Click(object sender, EventArgs e)

{

Label id = (Label)GridView1.FooterRow.Cells[0].FindControl("LabelID");

TextBox name = (TextBox)GridView1.FooterRow.Cells[1].FindControl("TextBoxName");

DropDownList typeId = (DropDownList)GridView1.FooterRow.Cells[2].FindControl("DropDownList1");

TextBox number = (TextBox)GridView1.FooterRow.Cells[3].FindControl("TextBoxNumber");

TextBox price = (TextBox)GridView1.FooterRow.Cells[4].FindControl("TextBoxPrice");

System.Diagnostics.Debug.WriteLine("{0},{1},{2},{3},{4}",

id.Text,name.Text,typeId.Text,number.Text,price.Text);

FileUpload fileUpload = (FileUpload)GridView1.FooterRow.Cells[5].FindControl("FileUpload1");

string imgPath = " ";

if (fileUpload.HasFile)

{

//string filePath = Server.MapPath("~/files/");

string fileName = fileUpload.PostedFile.FileName;

imgPath = "images/" + fileName;

fileUpload.SaveAs(filePath + fileName);

//label.Text = "images/" + fileName;

//System.Diagnostics.Debug.Write("images/" + fileName);

}

SqlConnection sqlConnection = new SqlConnection(connectionstring);

sqlConnection.Open();

SqlCommand command = new SqlCommand();

command.CommandText = "INSERT INTO [Details] ([ID], [Name], [TypeID], [Number], [Price], [ImgPath]) " +

"VALUES (@ID, @Name, @TypeID, @Number, @Price, @ImgPath)";

command.Connection = sqlConnection;

command.Parameters.Add(new SqlParameter("@ID", id.Text));

command.Parameters.Add(new SqlParameter("@Name", name.Text));

command.Parameters.Add(new SqlParameter("@TypeID", typeId.Text));

command.Parameters.Add(new SqlParameter("@Number",int.Parse(number.Text)));

command.Parameters.Add(new SqlParameter("@Price", float.Parse(price.Text)));

command.Parameters.Add(new SqlParameter("@ImgPath", imgPath));

command.ExecuteNonQuery();

sqlConnection.Close();

GridView1.ShowFooter = false;

return;

}

protected void GridView1\_RowUpdating(object sender, GridViewUpdateEventArgs e)

{

Label labelID = (Label)GridView1.Rows[GridView1.EditIndex].Cells[0].FindControl("LabelID");

FileUpload fileUpload= (FileUpload)GridView1.Rows[GridView1.EditIndex].Cells[5].FindControl("FileUpload1");

Label label = (Label)GridView1.Rows[GridView1.EditIndex].Cells[5].FindControl("LabelImgPath");

if (fileUpload.HasFile)

{

label.Text = "images/" + fileName;

//System.Diagnostics.Debug.Write(labelID.Text);

GetData(labelID.Text, "images/" + fileName);

}

}

/// <summary>

///

/// </summary>

/// <returns></returns>

public void GetData(string ID,string address)

{

SqlConnection sqlConnection = new SqlConnection(connectionstring);

sqlConnection.Open();

SqlCommand command = new SqlCommand();

command.CommandText= "update details set ImgPath = @path where ID = @id";

command.Connection = sqlConnection;

SqlParameter path = new SqlParameter("@path", address);

SqlParameter id = new SqlParameter("@ID", ID);

command.Parameters.Add(path);

command.Parameters.Add(id);

command.ExecuteNonQuery();

sqlConnection.Close();

return;

}

protected void LinkButtonCancel\_Click(object sender, EventArgs e)

{

TextBox name = (TextBox)GridView1.FooterRow.Cells[1].FindControl("TextBoxName");

name.Text = "cancel";

GridView1.ShowFooter = false;

}

}

}

### （3）效果截图

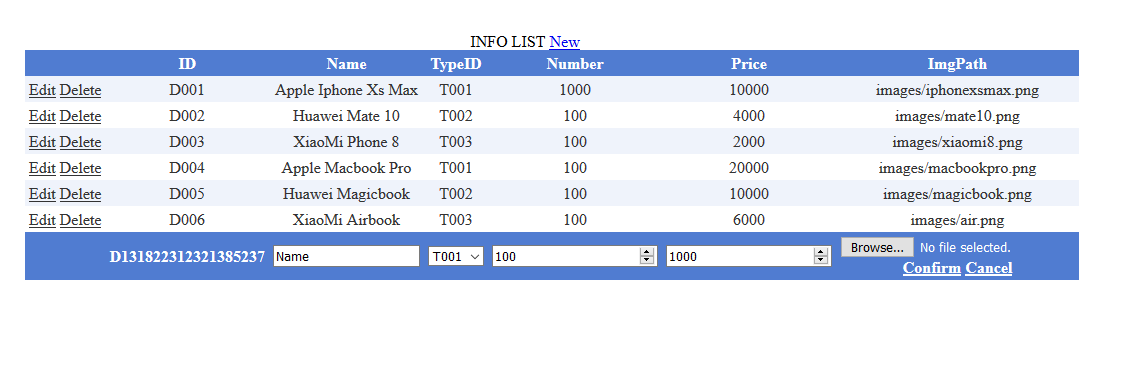


图6、第六个小实验效果截图