namespace WcfService1

{

[ServiceContract]

public interface IService1

{

[OperationContract]

List<Stock> GetAllStocks();

[OperationContract]

List<Stock> GetStockByCode(string code);

}

[DataContract]

public class Stock

{

[DataMember]

private string stockName { get; set; }

[DataMember]

private string stockCode { get; set; }

[DataMember]

private int Quantity { get; set; }

[DataMember]

private double Price { get; set; }

public Stock() { }

public Stock(string code, string name, int quantity, double price) {

stockCode = code;

stockName = name;

Quantity = quantity;

Price = price;

}

}

}

public class Service1 : IService1

{

public List<Stock> GetAllStocks()

{

List<Stock> stocks = new List<Stock>();

SqlConnection con = new SqlConnection(WebConfigurationManager.ConnectionStrings["dbStock"].ConnectionString);

SqlCommand cmd = new SqlCommand("Select StockName, StockSymbol, Shares, Price from Stocks");

cmd.Connection = con;

con.Open();

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

Stock st = new Stock(reader["StockSymbol"].ToString(), reader["StockName"].ToString(),Convert.ToInt32(reader["Shares"].ToString()), Convert.ToDouble(reader["Price"].ToString()));

stocks.Add(st);

}

return stocks;

}

public List<Stock> GetStockByCode(string code)

{

List<Stock> stocks = new List<Stock>();

SqlConnection con = new SqlConnection(WebConfigurationManager.ConnectionStrings["dbStock"].ConnectionString);

SqlCommand cmd = new SqlCommand("Select StockName, Shares, Price from Stocks where StockSymbol = @StockCode");

cmd.Parameters.AddWithValue("StockCode", code);

cmd.Connection = con;

con.Open();

SqlDataReader reader = cmd.ExecuteReader();

while (reader.Read())

{

Stock st = new Stock(code, reader["StockName"].ToString(), Convert.ToInt32(reader["Shares"].ToString()), Convert.ToDouble(reader["Price"].ToString()));

stocks.Add(st);

}

return stocks;

}

}

namespace WebApplication1

{

public partial class Comp235Test2 : System.Web.UI.Page

{

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

{

if (!Page.IsPostBack)

{

Service1Client sc1 = new Service1Client();

dlStockListing.DataSource = sc1.GetAllStocks();

dlStockListing.DataBind();

}

}

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

{

Service1Client sc1 = new Service1Client();

dlStockListing.DataSource = sc1.GetStockByCode(tbStockCode.Text);

dlStockListing.DataBind();

}

}

}

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

<head runat="server">

<title>Comp 235 Test 2</title>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>

</head>

<body>

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

<div>

<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<asp:TextBox ID="tbStockCode" runat="server"></asp:TextBox>

<asp:Button ID="btnLookUpStock" runat="server" Text="Look Up" OnClick="btnLookUpStock\_Click" />

<asp:DataList ID="dlStockListing" runat="server">

<ItemTemplate>

<span class="StockCodes"><%#Eval("StockCode")%><br />

<span style="display:none" class="StockDetail">

<%#Eval("StockName")%><br />

<%#Eval("Quantity")%><br />

<%#Eval("Price")%><br />

<hr />

</span>

</span>

</ItemTemplate>

</asp:DataList>

</ContentTemplate>

</asp:UpdatePanel>

</div>

</form>

<script>

var prm = Sys.WebForms.PageRequestManager.getInstance();

prm.add\_endRequest(function() {

$(".StockCodes").each(function(index) {

$(this).click(function() {

$(this).children().show();

});

});

});

</script>

</body>

</html>