

Walkthrough 1 - Web Forms

Setup

This lab will use Web Forms to create a website that allows the user to access hospital data.

1. Start Visual Studio.
2. Click Create a new project.
3. Set language to **C#**, project type to **Web** and search to **framework**.
4. Select the ASP.NET Web Application (.NET Framework) template, click Next.
5. Set Project name to **Hospital_wf**.
6. Set Location to **a folder of your choosing**.
7. Ensure Place solution and project in the same directory is not selected.
8. Click Create.
9. Choose the Web Forms template.
10. Unselect Configure for HTTPS, click Create.
11. Press Ctrl+F5 to run the site and navigate around it.
12. This site has been styled with [Bootstrap 3.4.1 \(https://getbootstrap.com/docs/3.4/\)](https://getbootstrap.com/docs/3.4/).

WebForm1.aspx

1. In the Solution Explorer, right-click the project (with the globe icon) choose Add / Web Form, accept the name of **WebForm1**, click OK.
2. If the Toolbox pane isn't visible, select it from the View menu.
3. From the Toolbox in the Standard group, drag a Button between the div tags.
4.

```
<div>
    <asp:Button ID="Button1" runat="server" Text="Button" />
</div>
```
5. Add a break tag, then drag a label after the break.
6.

```
<div>
    <asp:Button ID="Button1" runat="server" Text="Button" />
    <br />
    <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
</div>
```
7. Switch to Design view, by clicking the button at the bottom left of the editor.
8. Double click the button, you will be taken to the code editor with an event handler method stubbed out.

WebForm1.aspx.cs

1. Add the following line of code to the method.
2.

```
protected void Button1_Click(object sender, EventArgs e)
{
    Label1.Text = "Set in Button1_Click";
}
```
3. Run the site.
4. Once the page loads, click the button and note that the label text changed.
5. Close the Browser and stop the application from running if necessary by pressing Shift+F5.
6. Add the following to the Page_Load method.
7.

```
protected void Page_Load(object sender, EventArgs e)
{
    Label1.Text = "Set in Page_Load";
}
```
8. Run the site.
9. In the browser, view the page source and note the value of __VIEWSTATE variable.

Setup - CHDB Database

1. Start SQL Server. If you already have the CHDB database installed, you may skip the next few steps.
2. Download [CHDB.sql](#); drag it into Solution Explorer and open it.
3. In the upper-left, click the Execute button.
4. You will be prompted to connect to a database, set Server Name to **localhost\\sqlexpress**, click Connect.
5. The script should complete, create the database and present a summary of the INSERTs.

Medications.aspx

1. In Solution Explorer, right-click the project and select Add / New Item... From the list, choose Web Form with Master Page, set the name to **Medications.aspx**, click Add. Select Site.Master, click OK.

2. Set the page title to **Medications**.

```
3. <%@ Page Title="Medications" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Medications.aspx.cs" Inherits="Hospital_wf.Medications" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
</asp:Content>
```

4. Add a heading between the asp:Content tags.

```
5. <%@ Page Title="Medications" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Medications.aspx.cs" Inherits="Hospital_wf.Medications" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2><%: Title %></h2>
</asp:Content>
```

6. From the Toolbox in the Data group, drag a GridView after the heading.

```
7. <%@ Page Title="Medications" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Medications.aspx.cs" Inherits="Hospital_wf.Medications" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2><%: Title %></h2>
    <asp:GridView ID="GridView1" runat="server"></asp:GridView>
</asp:Content>
```

8. Rename the GridView to **medicationsGridView**.

```
9. <%@ Page Title="Medications" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Medications.aspx.cs" Inherits="Hospital_wf.Medications" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2><%: Title %></h2>
    <asp:GridView ID="medicationsGridView1" runat="server"></asp:GridView>
</asp:Content>
```

10. Click the GridView's task button, in the Choose Data Source drop-down, select <New Data Source...>
11. Select the Database source and set the ID of the source to **medicationsSqlDataSource**, click OK.
12. Click the New Connection... button. In the Change Data Source dialog, select Microsoft SQL Server, click OK.
13. Set Server name to **localhost\\sqlexpress**. Set the Select or enter a database name drop-down to **CHDB**, click OK. Click Next.
14. Save the connection string in the application configuration file with the suggested name of **CHDBConnectionString**, click Next.
15. Select the **medications** table, leave columns as *, click the Advanced... button.
16. Select Generate INSERT, UPDATE and DELETE statements, click OK, click Next, click Finish.
17. The GridView and SqlDataSource will look approximately like this.

```
18. <asp:GridView
    ID="medicationsGridView"
    runat="server"
    AutoGenerateColumns="False"
    DataKeyNames="medication_id"
    DataSourceID="medicationsSqlDataSource">
    <Columns>
        <asp:BoundField> DataField="medication_id" HeaderText="medication_id" ReadOnly="True" SortExpression="medication_id"></asp:BoundField>
        <asp:BoundField> DataField="medication_description" HeaderText="medication_description" SortExpression="medication_description"></asp:BoundField>
        <asp:BoundField> DataField="medication_cost" HeaderText="medication_cost" SortExpression="medication_cost"></asp:BoundField>
        <asp:BoundField> DataField="package_size" HeaderText="package_size" SortExpression="package_size"></asp:BoundField>
        <asp:BoundField> DataField="strength" HeaderText="strength" SortExpression="strength"></asp:BoundField>
        <asp:BoundField> DataField="sig" HeaderText="sig" SortExpression="sig"></asp:BoundField>
        <asp:BoundField> DataField="units_used_ytd" HeaderText="units_used_ytd" SortExpression="units_used_ytd"></asp:BoundField>
        <asp:BoundField> DataField="last_prescribed_date" HeaderText="last_prescribed_date" SortExpression="last_prescribed_date"></asp:BoundField>
    </Columns>
</asp:GridView>
<asp:SqlDataSource
    runat="server"
    ID="medicationsSqlDataSource"
    ConnectionString='<%$ ConnectionStrings:CHDBConnectionString %>'
    DeleteCommand="DELETE FROM [medications] WHERE [medication_id] = @medication_id"
    InsertCommand="INSERT INTO [medications] ([medication_id], [medication_description], [medication_cost], [package_size], [strength], [sig], [units_used_ytd], [last_prescribed_date]) VALUES (@medication_id, @medication_description, @medication_cost, @package_size, @strength, @sig, @units_used_ytd, @last_prescribed_date)"
    SelectCommand="SELECT * FROM [medications]"
    UpdateCommand="UPDATE [medications] SET [medication_description] = @medication_description, [medication_cost] = @medication_cost, [package_size] = @package_size, [strength] = @strength, [sig] = @sig, [units_used_ytd] = @units_used_ytd, [last_prescribed_date] = @last_prescribed_date WHERE [medication_id] = @medication_id">
    <DeleteParameters>
        <asp:Parameter> Name="medication_id" Type="Int32"></asp:Parameter>
    </DeleteParameters>
    <InsertParameters>
        <asp:Parameter> Name="medication_id" Type="Int32"></asp:Parameter>
        <asp:Parameter> Name="medication_description" Type="String"></asp:Parameter>
        <asp:Parameter> Name="medication_cost" Type="Decimal"></asp:Parameter>
        <asp:Parameter> Name="package_size" Type="String"></asp:Parameter>
        <asp:Parameter> Name="strength" Type="String"></asp:Parameter>
        <asp:Parameter> Name="sig" Type="String"></asp:Parameter>
        <asp:Parameter> Name="units_used_ytd" Type="Int32"></asp:Parameter>
        <asp:Parameter> DbType="Date" Name="last_prescribed_date"></asp:Parameter>
    </InsertParameters>
    <UpdateParameters>
        <asp:Parameter> Name="medication_description" Type="String"></asp:Parameter>
        <asp:Parameter> Name="medication_cost" Type="Decimal"></asp:Parameter>
        <asp:Parameter> Name="package_size" Type="String"></asp:Parameter>
        <asp:Parameter> Name="strength" Type="String"></asp:Parameter>
        <asp:Parameter> Name="sig" Type="String"></asp:Parameter>
        <asp:Parameter> Name="units_used_ytd" Type="Int32"></asp:Parameter>
        <asp:Parameter> DbType="Date" Name="last_prescribed_date"></asp:Parameter>
        <asp:Parameter> Name="medication_id" Type="Int32"></asp:Parameter>
    </UpdateParameters>
</asp:SqlDataSource>
```

19. Run the site.
20. In the browser, view the page source and note the value of __VIEWSTATE variable, it is much larger now.
21. Set the CSS Class of the GridView to the Bootstrap class **table**.

```
22. <asp:GridView
    ID="medicationsGridView"
    runat="server"
    AutoGenerateColumns="False"
    DataKeyNames="medication_id"
    DataSourceID="medicationsSqlDataSource"
    CssClass="table">
  <Columns>
    ...
```

23. Run the site.
24. Change the class to **table-condensed**.

```
25. <asp:GridView
    ID="medicationsGridView"
    runat="server"
    AutoGenerateColumns="False"
    DataKeyNames="medication_id"
    DataSourceID="medicationsSqlDataSource"
    CssClass="table-condensed">
  <Columns>
    ...
```

26. Run the site.
27. Set the table rows to be striped.

```
28. <asp:GridView
    ID="medicationsGridView"
    runat="server"
    AutoGenerateColumns="False"
    DataKeyNames="medication_id"
    DataSourceID="medicationsSqlDataSource"
    CssClass="table-condensed table-striped">
  <Columns>
    ...
```

29. Run the site.
30. Set the stripes to the background info colour to make them more visible.

```
31. <asp:GridView
    ID="medicationsGridView"
    runat="server"
    AutoGenerateColumns="False"
    DataKeyNames="medication_id"
    DataSourceID="medicationsSqlDataSource"
    CssClass="table-condensed table-striped bg-info">
  <Columns>
    ...
```

32. Run the site.
33. Click the GridView's task button and click Edit Columns... .
34. From Selected fields, select medication_id and delete it.
35. Select medication_description, in BoundField properties, change HeaderText to **Description**.
- 1. Change medication_cost header to **Cost**.
 - 2. Change package_size header to **Package Size**.
 - 3. Change strength header to **Strength**.
 - 4. Change sig header to **Sig**.
 - 5. Change units_used_ytd header to **Units Used YTD**.
 - 6. Change last_prescribed_date header to **Last Prescribed**.
36. Click OK.
37. Run the site.
38. Edit the columns of the GridView.
39. Right-align Cost and Units Used YTD by setting Styles / ItemStyle / HorizontalAlign to Right.
40. Set Last Prescribed, Data / DataFormatString to **{0:d}**
41. Set Units Used YTD, Data / DataFormatString to **{0:n0}**
42. Click OK.
43. Run the site.
44. Click the GridView's task button, select Enable Paging, Enable Sorting and Enable Editing.
45. The GridView will look approximately like this.

```
46. <asp:GridView
    ID="medicationsGridView"
    runat="server"
    AutoGenerateColumns="False"
    DataKeyNames="medication_id"
    DataSourceID="medicationsSqlDataSource"
    CssClass="table-condensed table-striped bg-info"
    AllowPaging="True"
    AllowSorting="True">
  <Columns>
    <asp:CommandField ShowEditButton="True"></asp:CommandField>
    <asp:BoundField DataField="medication_description" HeaderText="Description" SortExpression="medication_description"></asp:BoundField>
    <asp:BoundField DataField="medication_cost" HeaderText="Cost" SortExpression="medication_cost">
```

```

        <ItemStyle> HorizontalAlign="Right"></ItemStyle>
    </asp:BoundField>
    <asp:BoundField> DataField="package_size" HeaderText="Package Size" SortExpression="package_size"></asp:BoundField>
    <asp:BoundField> DataField="strength" HeaderText="Strength" SortExpression="strength"></asp:BoundField>
    <asp:BoundField> DataField="sig" HeaderText="Sig" SortExpression="sig"></asp:BoundField>
    <asp:BoundField DataField="units_used_ytd" HeaderText="Units Used YTD" SortExpression="units_used_ytd" DataFormatString="{0:n0}">
        <ItemStyle> HorizontalAlign="Right"></ItemStyle>
    </asp:BoundField>
    <asp:BoundField> DataField="last_prescribed_date" HeaderText="Last Prescribed" SortExpression="last_prescribed_date" DataFormatString="{0:d}"></asp:BoundField>
</Columns>
</asp:GridView>
```

- 47. Run the site.
- 48. Notice the column headings are now links, experiment with them.
- 49. Notice that only 10 rows are presented, experiment with the paging controls in the table footer.
- 50. Edit a row and change a description.

Site.Master

```

1. Update the title tag.
2. <%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site.master.cs" Inherits="Hospital_wf.SiteMaster" %>

<!DOCTYPE html>

<html lang="en">
<head runat="server">
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title><%= Page.Title %> - My ASP.NET ApplicationCommunity Hospital</title>

    <asp:PlaceHolder runat="server">
        <%= Scripts.Render("~/bundles/modernizr") %>
    </asp:PlaceHolder>

    <webopt:bundlereference runat="server" path="~/Content/css" />
    <link href="~/favicon.ico" rel="shortcut icon" type="image/x-icon" />

</head>
...
```

```

3. Update Application name and footer.
4. ...
    <div class="navbar navbar-inverse navbar-fixed-top">
        <div class="container">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse">
                    <span> class="icon-bar"></span>
                    <span> class="icon-bar"></span>
                    <span> class="icon-bar"></span>
                </button>
                <a> class="navbar-brand" runat="server" href="~/>Application nameCommunity Hospital</a>
            </div>
            <div class="navbar-collapse collapse">
                <ul class="nav navbar-nav">
                    <li><a> runat="server" href="~/>Home</a></li>
                    <li><a> runat="server" href="~/About">About</a></li>
                    <li><a> runat="server" href="~/Contact">Contact</a></li>
                </ul>
            </div>
        </div>
    </div>
    <div class="container body-content">
        <asp:ContentPlaceHolder> ID="MainContent" runat="server">
        </asp:ContentPlaceHolder>
        <hr />
        <footer>
            <p>© <%= DateTime.Now.Year %> - My ASP.NET ApplicationCommunity Hospital</p>
        </footer>
    </div>

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

```

5. Add menu entries for Medications and WebForm1.
6. ...
    <div class="navbar-collapse collapse">
        <ul class="nav navbar-nav">
            <li><a runat="server" href="~/>Home</a></li>
            <li><a runat="server" href="~/Medications">Medications</a></li>
            <li><a runat="server" href="~/WebForm1">Web Form 1</a></li>
            <li><a runat="server" href="~/About">About</a></li>
            <li><a runat="server" href="~/Contact">Contact</a></li>
        </ul>
    </div>
    ...
```

- 7. Run the site.
- 8. Create a new web form named **ActivePurchaseOrders** based on the Site.Master master page.
- 9. Add a menu entry for the new page.
- 10. ...
 <div class="navbar-collapse collapse">
 <ul class="nav navbar-nav">
 Home
 Medications


```

        <li><a runat="server" href="~/ActivePurchaseOrders">Active Purchase Orders</a></li>
        <li><a runat="server" href="~/WebForm1">Web Form 1</a></li>
        <li><a runat="server" href="~/About">About</a></li>
        <li><a runat="server" href="~/Contact">Contact</a></li>
    </ul>
</div>
...

```

ActivePurchaseOrders.aspx

1. Add a title and header.
2.

```
<%@ Page Title="Active Purchase Orders" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="ActivePurchaseOrders.aspx.cs" Inherits="MovieTracker.ActivePurchaseOrders" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2><%: Title %></h2>
</asp:Content>
```
3. Add a paragraph with a drop-down list from the Toolbox / Standard group after the heading, name it **departmentDropDownList**.
4.

```
<%@ Page Title="Active Purchase Orders" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="ActivePurchaseOrders.aspx.cs" Inherits="Hospital_wf.ActivePurchaseOrders" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2><%: Title %></h2>
    <p>
        Department:
        <asp:DropDownList ID="departmentDropDownList" runat="server"></asp:DropDownList>
    </p>
</asp:Content>
```
5. Click the drop-down list task button and select Choose Data Source...
6. Create a new data source named **departmentSqlDataSource**.
7. Use the existing CHDBConnectionString connection string.
8. Select the departments table from the drop-down list. Choose the department_id and department_name columns.
9. Set the data field to display to department_name and the value to department_id.
10. Select Enable AutoPostBack.
11. Should look approximately like this.
12.

```
<%@ Page Title="Active Purchase Orders" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="ActivePurchaseOrders.aspx.cs" Inherits="Hospital_wf.ActivePurchaseOrders" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2><%: Title %></h2>
    <p>
        Department:
        <asp:DropDownList>
            ID="departmentDropDownList"
            runat="server"
            DataSourceID="departmentSqlDataSource"
            DataTextField="department_name"
            DataValueField="department_id"
            AutoPostBack="True">
        </asp:DropDownList>
        <asp:SqlDataSource>
            runat="server"
            ID="departmentSqlDataSource"
            ConnectionString='<%$ ConnectionStrings:CHDBConnectionString %>'
            SelectCommand="SELECT [department_id], [department_name] FROM [departments]">
        </asp:SqlDataSource>
    </p>
</asp:Content>
```
13. After the paragraph, add a GridView named **poGridView**.
14.

```
<%@ Page Title="Active Purchase Orders" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="ActivePurchaseOrders.aspx.cs" Inherits="Hospital_wf.ActivePurchaseOrders" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2><%: Title %></h2>
    <p>
        Department:
        <asp:DropDownList>
            ID="departmentDropDownList"
            runat="server"
            DataSourceID="departmentSqlDataSource"
            DataTextField="department_name"
            DataValueField="department_id"
            AutoPostBack="True">
        </asp:DropDownList>
        <asp:SqlDataSource>
            runat="server"
            ID="departmentSqlDataSource"
            ConnectionString='<%$ ConnectionStrings:CHDBConnectionString %>'
            SelectCommand="SELECT [department_id], [department_name] FROM [departments]">
        </asp:SqlDataSource>
    </p>
    <asp:GridView ID="poGridView" runat="server"></asp:GridView>
</asp:Content>
```
15. Click the GridView's task button and create a new SqlDataSource named **poSqlDataSource**.
16. Use the existing CHDBConnectionString connection string.
17. Select the purchase_orders table from the drop-down list. Select all of the columns except department_id and order_status.
18. Click the WHERE... button.
19. Set Column to department_id, Source to Control and Control ID to departmentDropDownList, click Add.
20. Add another criteria; set Column to order_status, Source to None and Value to **ACTIVE**, click Add, click OK.
21. Click Next, click Finish.

22. The GridView and SqlDataSource will look approximately like this.

```
23. <asp:GridView
    ID="poGridView"
    runat="server"
    AutoGenerateColumns="False"
    DataKeyNames="purchase_order_id"
    DataSourceID="poSqlDataSource">
    <Columns>
        <asp:BoundField> DataField="purchase_order_id" HeaderText="purchase_order_id" ReadOnly="True" SortExpression="purchase_order_id">
    </asp:BoundField>
        <asp:BoundField> DataField="order_date" HeaderText="order_date" SortExpression="order_date"></asp:BoundField>
        <asp:BoundField> DataField="vendor_id" HeaderText="vendor_id" SortExpression="vendor_id"></asp:BoundField>
        <asp:BoundField> DataField="total_amount" HeaderText="total_amount" SortExpression="total_amount"></asp:BoundField>
    </Columns>
</asp:GridView>
<asp:SqlDataSource
    runat="server"
    ID="poSqlDataSource"
    ConnectionString='<%$ ConnectionStrings:CHDBConnectionString %>'
    SelectCommand="SELECT [purchase_order_id], [order_date], [vendor_id], [total_amount] FROM [purchase_orders] WHERE (([department_id] =
@department_id) AND ([order_status] = @order_status))">
    <SelectParameters>
        <asp:ControlParameter> ControlID="departmentDropDownList" PropertyName="SelectedValue" Name="department_id" Type="Int32"></asp:Con
trolParameter>
        <asp:Parameter> DefaultValue="ACTIVE" Name="order_status" Type="String"></asp:Parameter>
    </SelectParameters>
</asp:SqlDataSource>
```

24. Run the site.
25. Click the task button of poSqlDataSource, select Configure Data Source..., click Next.
26. Click the radio button Specify a custom SQL statement or stored procedure, click Next.
27. Click the Query Builder... button.
28. In the top pane, right-click and select Add Table..., select the vendors table and click Add, click Close. In the purchase_orders table, unselect vendor_id. In the vendors table, select vendor_name. Click OK, click Next, click Next, click Finish. Click Yes to Refresh Fields and Keys for 'poGridView'.
29. Run the site.
30. Click the GridView's task button and click Edit Columns...
- 1. Change purchase_order_id header to **ID**.
 - 2. Change order_date header to **Date**.
 - 3. Change total_amount header to **Total Amount**.
 - 4. Change vendor_name header to **Vendor**.
 - 5. Change ID and Total Amount Styles / ItemStyle / HorizontalAlign to **Right**.
 - 6. Change Date Data / DataFormatString to **{0:d}**.
 - 7. Change Total Amount Data / DataFormatString to **{0:c}**.
31. Click OK.
32. Set the CssClass of the GridView to **table-condensed table-striped bg-info**.

```
33. <asp:GridView
    ID="poGridView"
    runat="server"
    AutoGenerateColumns="False"
    DataKeyNames="purchase_order_id"
    DataSourceID="poSqlDataSource"
    CssClass="table-condensed table-striped bg-info">
    <Columns>
        <asp:BoundField DataField="purchase_order_id" HeaderText="ID" ReadOnly="True" SortExpression="purchase_order_id">
            <ItemStyle HorizontalAlign="Right"></ItemStyle>
        </asp:BoundField>
        <asp:BoundField DataField="order_date" HeaderText="Date" SortExpression="order_date" DataFormatString="{0:d}"></asp:BoundField>
        <asp:BoundField DataField="total_amount" HeaderText="Total Amount" SortExpression="total_amount" DataFormatString="{0:c}">
            <ItemStyle HorizontalAlign="Right"></ItemStyle>
        </asp:BoundField>
        <asp:BoundField DataField="vendor_name" HeaderText="Vendor" SortExpression="vendor_name"></asp:BoundField>
    </Columns>
</asp:GridView>
<asp:SqlDataSource
    runat="server"
    ID="poSqlDataSource"
    ConnectionString='<%$ ConnectionStrings:CHDBConnectionString %>'
    SelectCommand="SELECT purchase_orders.purchase_order_id, purchase_orders.order_date, purchase_orders.total_amount, vendors.vendor_name
FROM purchase_orders INNER JOIN vendors ON purchase_orders.vendor_id = vendors.vendor_id WHERE (purchase_orders.department_id = @departmen
t_id) AND (purchase_orders.order_status = @order_status)">
    <SelectParameters>
        <asp:ControlParameter ControlID="departmentDropDownList" PropertyName="SelectedValue" Name="department_id" Type="Int32"></asp:Cont
rolParameter>
        <asp:Parameter DefaultValue="ACTIVE" Name="order_status" Type="String"></asp:Parameter>
    </SelectParameters>
</asp:SqlDataSource>
```

34. Run the site.