
Cache Dependency

WebForm1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication7.WebForm1" %>
<%@ OutputCache Duration="5" VaryByParam="*" %>
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
        </div>
        <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
    </form>
</body>
</html>
```

WebForm1.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication7
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Label1.Text = DateTime.Now.ToLongTimeString();
        }
    }
}
```

Key Dependency

WebForm2.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs"
Inherits="WebApplication7.WebForm2" %>
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
        </div>
        <p>
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
            Text="Create" />
            <asp:Button ID="Button2" runat="server" OnClick="Button2_Click"
            style="margin-top: 76px" Text="Update" />
            <asp:Button ID="Button3" runat="server" OnClick="Button3_Click"
            style="margin-top: 0px" Text="Delete" />
        </p>
    </form>
</body>
</html>
```

```
69         <p>
70             &nbsp;&nbsp;&nbsp;</p>
71     </form>
72 </body>
73 </html>
```

WebForm2.aspx.cs

```
79 using System;
80 using System.Collections.Generic;
81 using System.Linq;
82 using System.Web;
83 using System.Web.UI;
84 using System.Web.UI.WebControls;
85 using System.Web.Caching;
86
87 namespace WebApplication7
88 {
89     public partial class WebForm2 : System.Web.UI.Page
90     {
91         protected void Page_Load(object sender, EventArgs e)
92         {
93
94         }
95
96         protected void Button1_Click(object sender, EventArgs e)
97         {
98             Cache["address"] = "123,APC NADIAD";
99             Cache["city"] = "Nadiad";
100
101             String[] keydep;
102             keydep = new string[2];
103             keydep[0] = "address";
104             keydep[1] = "city";
105
106             CacheDependency keydependency = new CacheDependency(null, keydep);
107             Cache.Insert("phone", "123456", keydependency);
108             Label1.Text = "Cache Full";
109         }
110
111         protected void Button2_Click(object sender, EventArgs e)
112         {
113             if (Cache["phone"] == null)
114             {
115                 Label1.Text = "Cache Empty";
116             }
117             else
118             {
119                 Label1.Text = "Address : " + Cache["address"] + "<br> City : " +
120                     Cache["city"] + "<br> Phone : " + Cache["phone"];
121             }
122         }
123
124         protected void Button3_Click(object sender, EventArgs e)
125         {
126             Cache.Remove("city");
127             // Response.Write(Cache["address"] + " : Add ");
128             //Response.Write(Cache["city"] + " : city ");
129             Response.Write(Cache["phone"] + " : phone ");
130             Label1.Text = "Address Removed";
131         }
132     }
133 }
```

File Dependency

WebForm3.aspx

```

141 <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs"
    Inherits="WebApplication7.WebForm3" %>
142
143 <!DOCTYPE html>
144
145 <html xmlns="http://www.w3.org/1999/xhtml">
146 <head runat="server">
147     <title></title>
148 </head>
149 <body>
150     <form id="form1" runat="server">
151         <div>
152             <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
153         </div>
154         <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
            style="margin-top: 41px" Text="Create" />
155         <asp:Button ID="Button2" runat="server" OnClick="Button2_Click"
            Text="Display" />
156         <asp:GridView ID="GridView1" runat="server">
157             </asp:GridView>
158     </form>
159 </body>
160 </html>
161
162 WebForm3.aspx.cs
163
164 using System;
165 using System.Collections.Generic;
166 using System.Linq;
167 using System.Web;
168 using System.Web.UI;
169 using System.Web.UI.WebControls;
170 using System.Web.Caching;
171 using System.Data;
172
173 namespace WebApplication7
174 {
175     public partial class WebForm3 : System.Web.UI.Page
176     {
177         protected void Page_Load(object sender, EventArgs e)
178         {
179
180         }
181
182         protected void Button1_Click(object sender, EventArgs e)
183         {
184             DataSet ds = new DataSet();
185             ds.ReadXml(@"C:\Users\DELL\source\repos\WebApplication7\Add.xml");
186
187             CacheDependency filedep = new
188             CacheDependency("C:\\Users\\DELL\\source\\repos\\WebApplication7\\Data.xml
189             ");
190             Cache.Insert("emp", ds, filedep);
191             Label1.Text = "Cache Full";
192         }
193
194         protected void Button2_Click(object sender, EventArgs e)
195         {
196             DataSet ds1 = new DataSet();
197             if (Cache["emp"] == null)
198             {
199                 GridView1.DataSource = null;
200                 GridView1.DataBind();
201                 Label1.Text = "Cache Empty";
202             }
203             else
204             {
205                 ds1 = (DataSet)Cache["emp"];
206                 GridView1.DataSource = ds1;
207                 GridView1.DataBind();
208             }
209         }
210     }
211 }

```

```

209     }
210 }
211
212
213 Time Dependency
214
215 WebForm4.aspx
216
217     <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm4.aspx.cs"
        Inherits="WebApplication7.WebForm4" %>
218
219 <!DOCTYPE html>
220
221 <html xmlns="http://www.w3.org/1999/xhtml">
222 <head runat="server">
223     <title></title>
224 </head>
225 <body>
226     <form id="form1" runat="server">
227         <div>
228         </div>
229         <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
230         <p>
231             <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
                Text="Create" />
232             <asp:Button ID="Button2" runat="server" OnClick="Button2_Click"
                Text="Display" />
233         </p>
234         <asp:GridView ID="GridView1" runat="server">
235         </asp:GridView>
236     </form>
237 </body>
238 </html>
239
240
241 WebForm4.aspx.cs
242
243 using System;
244 using System.Collections.Generic;
245 using System.Linq;
246 using System.Web;
247 using System.Web.UI;
248 using System.Web.UI.WebControls;
249 using System.Data;
250 using System.Web.Caching;
251
252 namespace WebApplication7
253 {
254     public partial class WebForm4 : System.Web.UI.Page
255     {
256         protected void Page_Load(object sender, EventArgs e)
257         {
258             Label1.Text = DateTime.Now.ToLongTimeString();
259         }
260
261         protected void Button1_Click(object sender, EventArgs e)
262         {
263             DataSet ds = new DataSet();
264             ds.ReadXml("C:\\Users\\DELL\\source\\repos\\WebApplication7\\Add.xml");
265             Cache.Insert("emp", ds, null, Cache.NoAbsoluteExpiration,
                TimeSpan.FromSeconds(10));
266             //Cache.Insert("emp", ds, null, DateTime.Now.AddSeconds(10), TimeSpan.Zero);
267             Label1.Text = "Cache Full";
268         }
269
270         protected void Button2_Click(object sender, EventArgs e)
271         {
272             DataSet ds1 = new DataSet();
273             if (Cache["emp"] == null)
274             {
275                 GridView1.DataSource = null;
276                 GridView1.DataBind();
277                 Label1.Text = "Cache Empty";

```

```
278         }
279     else
280     {
281         ds1 = (DataSet)Cache["emp"];
282         GridView1.DataSource = ds1;
283         GridView1.DataBind();
284     }
285 }
286 }
287 }
288
289
290
291
```
